Appendix to: "Propensity Score Weighting with Double Samples: a Simulation Study"

Table I: Case 0: Analysis of Variance for MeanBias, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	0.14577	0.14577	0.020825	33000	0
SSIZE	1	1.43e-005	1.43e-005	1.43e-005	22.74	0
KNRATIO	2	1.95e- 005	1.95e-005	9.8e-006	15.52	0
METHOD	1	0	0	0	0.01	0.936
NSTRATA	1	0.019877	0.019877	0.019877	32000	0
OBSERVED	2	9.4e- 006	9.4e-006	4.7e-006	7.44	0.001
COVSTR*SSIZE	7	2.36e-005	2.36e- 005	3.4e-006	5.37	0
COVSTR*KNRATIO	14	4.56e-005	4.56e-005	3.3e- 006	5.17	0
COVSTR*METHOD	7	0	0	0	0	1
COVSTR*NSTRATA	7	0.0066643	0.0066643	0.000952	1513.65	0
COVSTR*OBSERVED	14	1.3e-005	1.3e-005	9e-007	1.48	0.116
SSIZE*KNRATIO	2	5.7e- 006	5.7e-006	2.8e-006	4.5	0.012
SSIZE*METHOD	1	0	0	0	0	0.956
SSIZE*NSTRATA	1	1e-007	1e-007	1e-007	0.1	0.749
SSIZE*OBSERVED	2	4e- 006	4e-006	2e-006	3.16	0.043
KNRATIO*METHOD	2	0	0	0	0	0.999
KNRATIO*NSTRATA	2	6.8e-006	6.8e-006	3.4e-006	5.37	0.005
KNRATIO*OBSERVED	4	1.4e-006	1.4e-006	4e-007	0.57	0.688
METHOD*NSTRATA	1	0	0	0	0	0.981
METHOD*OBSERVED	2	0	0	0	0.01	0.993
NSTRATA*OBSERVED	2	9e- 007	9e-007	5e-007	0.73	0.48
Error	493	0.0003101	0.0003101	6e- 007		
Total	575	0.17277				

Table II: Case 0: Analysis of Variance for Clevel, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	37.2582	37.2582	5.3226	6062.92	0
SSIZE	1	8.2455	8.2455	8.2455	9392.37	0
KNRATIO	2	2.0371	2.0371	1.0186	1160.24	0
METHOD	1	0	0	0	0	0.944
NSTRATA	1	2.1805	2.1805	2.1805	2483.83	0
OBSERVED	2	0.00458	0.00458	0.00229	2.61	0.075
COVSTR*SSIZE	7	5.9219	5.9219	0.84598	963.65	0
COVSTR*KNRATIO	14	1.216	1.216	0.08686	98.94	0
COVSTR*METHOD	7	2e- 005	2e-005	0	0	1
COVSTR*NSTRATA	7	1.3157	1.3157	0.18796	214.1	0
COVSTR*OBSERVED	14	0.00756	0.00756	0.00054	0.62	0.853
SSIZE*KNRATIO	2	0.01936	0.01936	0.00968	11.02	0
SSIZE*METHOD	1	0	0	0	0	0.991
SSIZE*NSTRATA	1	0.03878	0.03878	0.03878	44.17	0
SSIZE*OBSERVED	2	0.03245	0.03245	0.01622	18.48	0
KNRATIO*METHOD	2	0	0	0	0	1
KNRATIO*NSTRATA	2	0.00476	0.00476	0.00238	2.71	0.068
KNRATIO*OBSERVED	4	0.00546	0.00546	0.00136	1.55	0.186
METHOD*NSTRATA	1	0	0	0	0	0.978
METHOD*OBSERVED	2	1e- 005	1e-005	0	0	0.995
NSTRATA*OBSERVED	2	0.00212	0.00212	0.00106	1.21	0.3
Error	493	0.4328	0.4328	0.00088		
Total	575	58.7229				

Table III: Case 0: Analysis of Variance for StDiff, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	0.0019646	0.0019646	0.0002807	229.97	0
SSIZE	1	0.0005142	0.0005142	0.0005142	421.3	0
KNRATIO	2	0.0002038	0.0002038	0.0001019	83.51	0
METHOD	1	0	0	0	0.03	0.858
NSTRATA	1	7.8e- 006	7.8e-006	7.8e-006	6.39	0.012
OBSERVED	2	0.0015392	0.0015392	0.0007696	630.63	0
COVSTR*SSIZE	7	0.0003067	0.0003067	4.38e-005	35.9	0
COVSTR*KNRATIO	14	0.0001972	0.0001972	1.41e-005	11.54	0
COVSTR*METHOD	7	1e- 007	1e-007	0	0.01	1
COVSTR*NSTRATA	7	9e-006	9e-006	1.3e- 006	1.05	0.397
COVSTR*OBSERVED	14	0.0009991	0.0009991	7.14e- 005	58.47	0
SSIZE*KNRATIO	2	2.12e-005	2.12e-005	1.06e-005	8.71	0
SSIZE*METHOD	1	0	0	0	0	0.961
SSIZE*NSTRATA	1	1.5e- 006	1.5e-006	1.5e-006	1.26	0.262
SSIZE*OBSERVED	2	0.0002533	0.0002533	0.0001267	103.79	0
KNRATIO*METHOD	2	0	0	0	0	1
KNRATIO*NSTRATA	2	3.5e-006	3.5e-006	1.7e-006	1.42	0.243
KNRATIO*OBSERVED	4	0.0002409	0.0002409	6.02e- 005	49.36	0
METHOD*NSTRATA	1	0	0	0	0	0.982
METHOD*OBSERVED	2	1e-007	1e-007	0	0.03	0.969
NSTRATA*OBSERVED	2	1.7e-006	1.7e-006	9e-007	0.7	0.497
Error	493	0.0006017	0.0006017	1.2e-006		
Total	575	0.0068655				

Table IV: Case 0: Means and standard errors (SE) of the 1st and 2nd order effects on MeanBias, Clevel and StDiff across the other factors.

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR						
1	0.012504	9.3e- 005	0.91742	0.003492	-2.7e-005	0.00013
2	0.044552	9.3e- 005	0.40747	0.003492	-0.004258	0.00013
3	0.012422	9.3e- 005	0.91565	0.003492	-0.000376	0.00013
4	0.012845	9.3e- 005	0.91119	0.003492	-0.000919	0.00013
5	0.044397	9.3e- 005	0.4065	0.003492	-0.004215	0.00013
6	0.04449	9.3e- 005	0.40218	0.003492	-0.004346	0.00013
7	0.012695	9.3e- 005	0.91086	0.003492	-0.001132	0.00013
8	0.044288	9.3e- 005	0.40442	0.003492	-0.004197	0.00013
SSIZE						
1000	0.028682	4.7e-005	0.77911	0.001746	-0.003379	6.5e-005
5000	0.028367	4.7e-005	0.53982	0.001746	-0.001489	6.5e-005
KNRATIO						
1/2	0.028784	5.7e- 005	0.73776	0.002138	-0.001657	8e-005
2/2	0.028396	5.7e- 005	0.64692	0.002138	-0.002542	8e-005
3/2	0.028392	5.7e- 005	0.59371	0.002138	-0.003102	8e-005
METHOD						
PROP	0.028521	4.7e-005	0.65955	0.001746	-0.002426	6.5e-005
DA	0.028527	4.7e-005	0.65938	0.001746	-0.002442	6.5e-005
NSTRATA						
5	0.034399	4.7e- 005	0.59793	0.001746	-0.002318	6.5e-005
7	0.02265	4.7e- 005	0.72099	0.001746	-0.00255	6.5e-005
OBSERVED						
A	0.028376	5.7e-005	0.6625	0.002138	-0.000138	8e-005
X2	0.028509	5.7e-005	0.66018	0.002138	-0.003349	8e-005
X1X2	0.028687	5.7e-005	0.65571	0.002138	-0.003816	8e-005
COVSTR*SSIZE						
1 1000	0.012424	0.000132	0.93803	0.004938	0.000201	0.000184
1 5000	0.012584	0.000132	0.89681	0.004938	-0.000255	0.000184
2 1000	0.044917	0.000132	0.62722	0.004938	-0.005846	0.000184
2 5000	0.044188	0.000132	0.18772	0.004938	-0.002671	0.000184
3 1000	0.012219	0.000132	0.93775	0.004938	-0.000355	0.000184
3 5000	0.012625	0.000132	0.89356	0.004938	-0.000398	0.000184
4 1000	0.013224	0.000132	0.92825	0.004938	-0.001487	0.000184
4 5000	0.012465	0.000132	0.89414	0.004938	-0.000351	0.000184
5 1000	0.04462	0.000132	0.62761	0.004938	-0.00571	0.000184
5 5000	0.044175	0.000132	0.18539	0.004938	-0.002721	0.000184
6 1000	0.044579	0.000132	0.62478	0.004938	-0.006094	0.000184
6 5000	0.044401	0.000132	0.17958	0.004938	-0.002599	0.000184
7 1000	0.012826	0.000132	0.92422	0.004938	-0.001942	0.000184
7 5000	0.012564	0.000132	0.8975	0.004938	-0.000323	0.000184
8 1000	0.044644	0.000132	0.625	0.004938	-0.005797	0.000184
8 5000	0.043931	0.000132	0.18383	0.004938	-0.002597	0.000184
COVSTR*KNRATIO						
1 1/2	0.012528	0.000162	0.93125	0.006048	0.000259	0.000225
1 2/2	0.012739	0.000162	0.91321	0.006048	-0.000521	0.000225
1 3/2	0.012244	0.000162	0.90779	0.006048	0.000181	0.000225
2 1/2	0.045094	0.000162	0.54325	0.006048	-0.003564	0.000225
2 2/2	0.044253	0.000162	0.38554	0.006048	-0.003895	0.000225
2 3/2	0.04431	0.000162	0.29363	0.006048	-0.005316	0.000225
3 1/2	0.013035	0.000162	0.93358	0.006048	0.000478	0.000225
3 2/2	0.012081	0.000162	0.91908	0.006048	-0.000521	0.000225
3 3/2	0.01215	0.000162	0.89429	0.006048	-0.001086	0.000225
4 1/2	0.013172	0.000162	0.92579	0.006048	-0.0016	0.000225
4 2/2	0.012186	0.000162	0.91542	0.006048	-0.000619	0.000225
4 3/2	0.013175	0.000162	0.89238	0.006048	-0.000537	0.000225
5 1/2	0.044342	0.000162	0.55033	0.006048	-0.002275	0.000225
5 2/2	0.044786	0.000162	0.36946	0.006048	-0.004774	0.000225
5 3/2	0.044064	0.000162	0.29971	0.006048	-0.005597	0.000225
6 1/2	0.044349	0.000162	0.54538	0.006048	-0.002855	0.000225
6 2/2	0.044478	0.000162	0.37288	0.006048	-0.004606	0.000225
6 3/2	0.044644	0.000162	0.28829	0.006048	-0.005578	0.000225
7 1/2	0.012964	0.000162	0.93129	0.006048	-0.000228	0.000225
7 2/2	0.012764	0.000162	0.91254	0.006048	-0.000942	0.000225
7 3/2	0.012356	0.000162	0.88875	0.006048	-0.002228	0.000225
8 1/2	0.044791	0.000162	0.54117	0.006048	-0.003474	0.000225
8 2/2	0.043881	0.000162	0.38721	0.006048	-0.004459	0.000225
8 3/2	0.044191	0.000162	0.28487	0.006048	-0.004658	0.000225

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*METHOD						
1 PROP	0.012501	0.000132	0.91742	0.004938	-2.8e-005	0.000184
1 DA	0.012507	0.000132	0.91742	0.004938	-2.6e-005	0.000184
2 PROP	0.044552	0.000132	0.40736	0.004938	-0.004259	0.000184
2 DA	0.044553	0.000132	0.40758	0.004938	-0.004257	0.000184
3 PROP	0.012416	0.000132	0.91592	0.004938	-0.000368	0.000184
3 DA	0.012428	0.000132	0.91539	0.004938	-0.000385	0.000184
4 PROP	0.012841	0.000132	0.91122	0.004938	-0.000914	0.000184
4 DA	0.012848	0.000132	0.91117	0.004938	-0.000923	0.000184
5 PROP	0.044395	0.000132	0.40642	0.004938	-0.004205	0.000184
5 DA	0.0444	0.000132	0.40658	0.004938	-0.004225	0.000184
6 PROP	0.044488	0.000132	0.40217	0.004938	-0.004332	0.000184
6 DA	0.044493	0.000132	0.40219	0.004938	-0.004361	0.000184
7 PROP	0.012694	0.000132	0.91122	0.004938	-0.001102	0.000184
7 DA	0.012696	0.000132	0.9105	0.004938	-0.001163	0.000184
8 PROP	0.044285	0.000132	0.40467	0.004938	-0.004197	0.000184
8 DA	0.04429	0.000132	0.40417	0.004938	-0.004197	0.000184
COVSTR*NSTRATA						
1 5	0.015119	0.000132	0.90239	0.004938	-9.2e-005	0.000184
1 7	0.009888	0.000132	0.93244	0.004938	3.9e-005	0.000184
2 5	0.053656	0.000132	0.29997	0.004938	-0.004221	0.000184
2 7	0.035449	0.000132	0.51497	0.004938	-0.004296	0.000184
3 5	0.014596	0.000132	0.9025	0.004938	-0.000168	0.000184
3 7	0.010248	0.000132	0.92881	0.004938	-0.000584	0.000184
4 5	0.015224	0.000132	0.89869	0.004938	-0.000974	0.000184
4 7	0.010465	0.000132	0.92369	0.004938	-0.000863	0.000184
5 5	0.053763	0.000132	0.29578	0.004938	-0.004108	0.000184
5 7	0.035032	0.000132	0.51722	0.004938	-0.004323	0.000184
6 5	0.053878	0.000132	0.29239	0.004938	-0.004118	0.000184
6 7	0.035103	0.000132	0.51197	0.004938	-0.004575	0.000184
7 5	0.015435	0.000132	0.89656	0.004938	-0.000954	0.000184
7 7	0.009955	0.000132	0.92517	0.004938	-0.001311	0.000184
8 5	0.053516	0.000132	0.29519	0.004938	-0.003905	0.000184
8 7	0.035059	0.000132	0.51364	0.004938	-0.004489	0.000184
COVSTR*OBSERVED						
1 A	0.012364	0.000162	0.91983	0.006048	0.000179	0.000225
1 X2	0.012548	0.000162	0.916	0.006048	-0.000198	0.000225
1 X1X2	0.012599	0.000162	0.91642	0.006048	-6.1e-005	0.000225
2 A	0.044349	0.000162	0.40817	0.006048	-8.1e-005	0.000225
2 X2	0.044401	0.000162	0.40792	0.006048	-0.006344	0.000225
2 X1X2	0.044907	0.000162	0.40633	0.006048	-0.00635	0.000225
3 A	0.012458	0.000162	0.9225	0.006048	0.00028	0.000225
3 X2	0.012535	0.000162	0.91958	0.006048	-0.000142	0.000225
3 X1X2	0.012273	0.000162	0.90487	0.006048	-0.001267	0.000225
4 A	0.012766	0.000162	0.91267	0.006048	-0.000633	0.000225
4 X2	0.012778	0.000162	0.91	0.006048	-0.001002	0.000225
4 X1X2	0.012989	0.000162	0.91092	0.006048	-0.001121	0.000225
5 A	0.044294	0.000162	0.40517	0.006048	-0.000106	0.000225
5 X2	0.0444	0.000162	0.41167	0.006048	-0.005886	0.000225
5 X1X2	0.044498	0.000162	0.40267	0.006048	-0.006655	0.000225
6 A	0.04408	0.000162	0.40275	0.006048	-0.000162	0.000225
6 X2	0.044505	0.000162	0.401	0.006048	-0.006055	0.000225
6 X1X2	0.044886	0.000162	0.40279	0.006048	-0.006822	0.000225
7 A	0.012685	0.000162	0.92017	0.006048	-0.000433	0.000225
7 X2	0.012773	0.000162	0.91358	0.006048	-0.000944	0.000225
7 X1X2	0.012627	0.000162	0.89883	0.006048	-0.00202	0.000225
8 A	0.044013	0.000162	0.40875	0.006048	-0.000147	0.000225
8 X2	0.044131	0.000162	0.40167	0.006048	-0.006216	0.000225
8 X1X2	0.044719	0.000162	0.40283	0.006048	-0.006228	0.000225
SSIZE*KNRATIO						
1000 1/2	0.029077	8.1e- 005	0.8495	0.003024	-0.002343	0.000113
1000 2/2	0.028454	8.1e- 005	0.77241	0.003024	-0.003546	0.000113
1000 3/2	0.028514	8.1e- 005	0.71542	0.003024	-0.004247	0.000113
5000 1/2	0.028492	8.1e- 005	0.62601	0.003024	-0.000972	0.000113
5000 2/2	0.028338	8.1e- 005	0.52143	0.003024	-0.001539	0.000113
5000 3/2	0.02827	8.1e- 005	0.47201	0.003024	-0.001957	0.000113

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
SSIZE*METHOD						
1000 PROP	0.028677	6.6e-005	0.77921	0.002469	-0.003368	9.2e-005
1000 DA	0.028686	6.6e-005	0.77901	0.002469	-0.003389	9.2e-005
5000 PROP	0.028366	6.6e-005	0.53989	0.002469	-0.001483	9.2e-005
5000 DA	0.028367	6.6e-005	0.53974	0.002469	-0.001495	9.2e-005
SSIZE*NSTRATA						
1000 5	0.034567	6.6e-005	0.72579	0.002469	-0.003211	9.2e-005
1000 7	0.022797	6.6e-005	0.83243	0.002469	-0.003547	9.2e-005
5000 5	0.03423	6.6e-005	0.47008	0.002469	-0.001424	9.2e-005
5000 7	0.022503	6.6e-005	0.60955	0.002469	-0.001554	9.2e-005
SSIZE*OBSERVED						
1000 A	0.028446	8.1e-005	0.79269	0.003024	-0.000157	0.000113
1000 X2	0.028642	8.1e-005	0.77563	0.003024	-0.004626	0.000113
1000 X1X2	0.028957	8.1e-005	0.76901	0.003024	-0.005353	0.000113
5000 A	0.028306	8.1e-005	0.53231	0.003024	-0.000119	0.000113
5000 X2	0.028376	8.1e-005	0.54473	0.003024	-0.002071	0.000113
5000 X1X2	0.028418	8.1e-005	0.54241	0.003024	-0.002278	0.000113
KNRATIO*METHOD						
1/2 PROP	0.02878	8.1e-005	0.73789	0.003024	-0.001651	0.000113
1/2 DA	0.028789	8.1e-005	0.73762	0.003024	-0.001664	0.000113
2/2 PROP	0.028394	8.1e-005	0.64698	0.003024	-0.002533	0.000113
2/2 DA	0.028398	8.1e-005	0.64685	0.003024	-0.002552	0.000113
3/2 PROP	0.02839	8.1e-005	0.59378	0.003024	-0.003093	0.000113
3/2 DA	0.028393	8.1e-005	0.59365	0.003024	-0.003111	0.000113
KNRATIO*NSTRATA						
1/2 5	0.034602	8.1e-005	0.67598	0.003024	-0.001539	0.000113
1/2 7	0.022966	8.1e-005	0.79953	0.003024	-0.001776	0.000113
2/2 5	0.034422	8.1e-005	0.582	0.003024	-0.002332	0.000113
2/2 7	0.02237	8.1e-005	0.71183	0.003024	-0.002752	0.000113
3/2 5	0.034171	8.1e-005	0.53582	0.003024	-0.003082	0.000113
3/2 7	0.022613	8.1e-005	0.6516	0.003024	-0.003123	0.000113
KNRATIO*OBSERVED						
1/2 A	0.028582	9.9e-005	0.74162	0.003704	-0.000313	0.000138
1/2 X2	0.028731	9.9e-005	0.73353	0.003704	-0.00272	0.000138
1/2 X1X2	0.02904	9.9e-005	0.73811	0.003704	-0.001939	0.000138
2/2 A	0.028306	9.9e-005	0.65138	0.003704	-0.00011	0.000138
2/2 X2	0.028389	9.9e-005	0.64744	0.003704	-0.003443	0.000138
2/2 X1X2	0.028493	9.9e-005	0.64194	0.003704	-0.004074	0.000138
3/2 A	0.028241	9.9e-005	0.5945	0.003704	9e-006	0.000138
3/2 X2	0.028406	9.9e-005	0.59956	0.003704	-0.003883	0.000138
3/2 X1X2	0.028529	9.9e-005	0.58708	0.003704	-0.005433	0.000138
METHOD*NSTRATA						
PROP 5	0.034397	6.6e- 005	0.59799	0.002469	-0.002308	9.2e-005
PROP 7	0.022646	6.6e- 005	0.72111	0.002469	-0.002543	9.2e-005
DA 5	0.0344	6.6e- 005	0.59788	0.002469	-0.002327	9.2e-005
DA 7	0.022653	6.6e- 005	0.72087	0.002469	-0.002558	9.2e-005
METHOD*OBSERVED						
PROP A	0.028376	8.1e-005	0.6625	0.003024	-0.000138	0.000113
PROP X2	0.028509	8.1e-005	0.66018	0.003024	-0.003349	0.000113
PROP X1X2	0.028679	8.1e-005	0.65597	0.003024	-0.003791	0.000113
DA A	0.028376	8.1e-005	0.6625	0.003024	-0.000138	0.000113
DA X2	0.028509	8.1e-005	0.66018	0.003024	-0.003348	0.000113
DA X1X2	0.028695	8.1e-005	0.65545	0.003024	-0.00384	0.000113
NSTRATA*OBSERVED						
5 A	0.034205	8.1e-005	0.59829	0.003024	-6.4e-005	0.000113
5 X2	0.034435	8.1e-005	0.60035	0.003024	-0.003267	0.000113
5 X1X2	0.034556	8.1e-005	0.59516	0.003024	-0.003622	0.000113
7 A	0.022547	8.1e-005	0.72671	0.003024	-0.000212	0.000113
7 X2	0.022583	8.1e-005	0.72	0.003024	-0.00343	0.000113
7 X1X2	0.022819	8.1e-005	0.71626	0.003024	-0.004009	0.000113

Table V: Case 1: Analysis of Variance for MeanBias, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	3.1753	3.1753	0.45361	87000	0
SSIZE	1	1e-005	1e-005	1e-005	2.17	0.142
KNRATIO	2	2e-005	2e- 005	1e-005	2.29	0.102
METHOD	1	0	0	0	0	0.981
NSTRATA	1	0.01969	0.01969	0.01969	3761.55	0
OBSERVED	3	2.6038	2.6038	0.86794	170000	0
COVSTR*SSIZE	7	3e- 005	3e-005	0	0.82	0.57
COVSTR*KNRATIO	14	4e-005	4e- 005	0	0.61	0.856
COVSTR*METHOD	7	0	0	0	0	1
COVSTR*NSTRATA	7	0.00509	0.00509	0.00073	139.04	0
COVSTR*OBSERVED	21	5.9685	5.9685	0.28422	54000	0
SSIZE*KNRATIO	2	1e- 005	1e-005	1e-005	1.05	0.352
SSIZE*METHOD	1	0	0	0	0	0.987
SSIZE*NSTRATA	1	0	0	0	0.01	0.934
SSIZE*OBSERVED	3	1e- 005	1e-005	0	0.44	0.721
KNRATIO*METHOD	2	0	0	0	0	1
KNRATIO*NSTRATA	2	1e-005	1e-005	0	0.8	0.45
KNRATIO*OBSERVED	6	0	0	0	0.06	0.999
METHOD*NSTRATA	1	0	0	0	0	0.994
METHOD*OBSERVED	3	0	0	0	0	1
NSTRATA*OBSERVED	3	0.00152	0.00152	0.00051	96.7	0
Error	672	0.00352	0.00352	1e-005		
Total	767	11.7776				

Table VI: Case 1: Analysis of Variance for Clevel, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	38.5594	38.5594	5.5085	522.15	0
SSIZE	1	8.816	8.816	8.816	835.66	0
KNRATIO	2	2.2417	2.2417	1.1209	106.25	0
METHOD	1	0	0	0	0	0.986
NSTRATA	1	1.7282	1.7282	1.7282	163.82	0
OBSERVED	3	41.627	41.627	13.8757	1315.27	0
COVSTR*SSIZE	7	2.9284	2.9284	0.4183	39.65	0
COVSTR*KNRATIO	14	0.5403	0.5403	0.0386	3.66	0
COVSTR*METHOD	7	0	0	0	0	1
COVSTR*NSTRATA	7	0.9245	0.9245	0.1321	12.52	0
COVSTR*OBSERVED	21	5.7252	5.7252	0.2726	25.84	0
SSIZE*KNRATIO	2	0.0121	0.0121	0.0061	0.57	0.564
SSIZE*METHOD	1	0	0	0	0	0.998
SSIZE*NSTRATA	1	0.0324	0.0324	0.0324	3.07	0.08
SSIZE*OBSERVED	3	0.3927	0.3927	0.1309	12.41	0
KNRATIO*METHOD	2	0	0	0	0	1
KNRATIO*NSTRATA	2	0.0036	0.0036	0.0018	0.17	0.844
KNRATIO*OBSERVED	6	0.0737	0.0737	0.0123	1.16	0.323
METHOD*NSTRATA	1	0	0	0	0	0.994
METHOD*OBSERVED	3	0	0	0	0	1
NSTRATA*OBSERVED	3	0.4595	0.4595	0.1532	14.52	0
Error	672	7.0894	7.0894	0.0105		
Total	767	111.1541				

Table VII: Case 1: Analysis of Variance for StDiff, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	0.0019104	0.0019104	0.0002729	166.81	0
SSIZE	1	0.0009028	0.0009028	0.0009028	551.8	0
KNRATIO	2	0.000298	0.000298	0.000149	91.06	0
METHOD	1	0	0	0	0.02	0.894
NSTRATA	1	1e-005	1e- 005	1e-005	6.13	0.014
OBSERVED	3	0.001875	0.001875	0.000625	382.01	0
COVSTR*SSIZE	7	0.0003108	0.0003108	4.44e-005	27.14	0
COVSTR*KNRATIO	14	0.0002183	0.0002183	1.56e-005	9.53	0
COVSTR*METHOD	7	0	0	0	0	1
COVSTR*NSTRATA	7	9.8e-006	9.8e-006	1.4e-006	0.85	0.543
COVSTR*OBSERVED	21	0.0036609	0.0036609	0.0001743	106.55	0
SSIZE*KNRATIO	2	3.77e -005	3.77e-005	1.89e-005	11.52	0
SSIZE*METHOD	1	0	0	0	0	0.971
SSIZE*NSTRATA	1	1.5e-006	1.5e-006	1.5e-006	0.93	0.335
SSIZE*OBSERVED	3	0.0002981	0.0002981	9.94e-005	60.74	0
KNRATIO*METHOD	2	0	0	0	0	1
KNRATIO*NSTRATA	2	2.5e-006	2.5e-006	1.2e-006	0.75	0.471
KNRATIO*OBSERVED	6	0.0002447	0.0002447	4.08e-005	24.92	0
METHOD*NSTRATA	1	0	0	0	0	0.987
METHOD*OBSERVED	3	1e- 007	1e-007	0	0.02	0.997
NSTRATA*OBSERVED	3	1.7e-006	1.7e-006	6e- 007	0.35	0.789
Error	672	0.0010994	0.0010994	1.6e-006		
Total	767	0.010882				

Table VIII: Case 1: Means and standard errors (SE) of the 1st and 2nd order effects on MeanBias, Clevel and StDiff across the other factors.

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR						
1	0.0345	0.000233	0.7094	0.010483	-0.0001	0.000131
2	0.1387	0.000233	0.3056	0.010483	-0.0033	0.000131
3	0.0183	0.000233	0.7791	0.010483	-0.0021	0.000131
4	0.0204	0.000233	0.8127	0.010483	-0.0009	0.000131
5	0.1225	0.000233	0.3049	0.010483	-0.005	0.000131
6	0.1421	0.000233	0.3016	0.010483	-0.0032	0.000131
7	- 0.0505	0.000233	0.6831	0.010483	-0.0032	0.000131
8	0.0712	0.000233	0.304	0.010483	-0.0046	0.000131
SSIZE						
1000	0.0623	0.000117	0.6322	0.005241	-0.0039	6.5e-005
5000	0.062	0.000117	0.4179	0.005241	-0.0017	6.5e-005
KNRATIO						
1/2	0.0624	0.000143	0.5962	0.006419	-0.002	8e-005
2/2	0.062	0.000143	0.5135	0.006419	-0.003	8e-005
3/2	0.062	0.000143	0.4654	0.006419	-0.0035	8e-005
METHOD						
PROP	0.0621	0.000117	0.5251	0.005241	-0.0028	6.5e-005
DA	0.0621	0.000117	0.525	0.005241	-0.0028	6.5e-005
NSTRATA						
5	0.0672	0.000117	0.4776	0.005241	-0.0027	6.5e-005
7	0.0571	0.000117	0.5725	0.005241	-0.0029	6.5e-005
OBSERVED						
A	0.0284	0.000165	0.6625	0.007413	-0.0001	9.2e-005
X1	0.163	0.000165	0.1218	0.007413	-0.004	9.2e-005
X2	0.0285	0.000165	0.6602	0.007413	-0.0033	9.2e-005
X1X2	0.0287	0.000165	0.6557	0.007413	-0.0038	9.2e-005
COVSTR*SSIZE						
1 1000	0.0345	0.00033	0.7462	0.014825	0	0.000185
1 5000	0.0346	0.00033	0.6726	0.014825	-0.0003	0.000185
2 1000	0.1389	0.00033	0.4704	0.014825	-0.0045	0.000185
2 5000	0.1384	0.00033	0.1408	0.014825	-0.0021	0.000185
3 1000	0.018	0.00033	0.851	0.014825	-0.0027	0.000185
3 5000	0.0185	0.00033	0.7071	0.014825	-0.0015	0.000185
4 1000	0.0208	0.00033	0.8874	0.014825	-0.0015	0.000185
4 5000	0.0201	0.00033	0.738	0.014825	-0.0004	0.000185
5 1000	0.1227	0.00033	0.4707	0.014825	-0.0068	0.000185
5 5000	0.1222	0.00033	0.139	0.014825	-0.0033	0.000185
6 1000	0.1421	0.00033	0.4686	0.014825	-0.0045	0.000185
6 5000	0.1421	0.00033	0.1347	0.014825	-0.0019	0.000185
7 1000	- 0.0504	0.00033	0.6932	0.014825	-0.0048	0.000185
7 5000	- 0.0505	0.00033	0.6731	0.014825	-0.0016	0.000185
8 1000	0.0715	0.00033	0.4701	0.014825	-0.0063	0.000185
8 5000	0.0708	0.00033	0.1379	0.014825	-0.0028	0.000185

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*KNRATIO						
1 1/2	0.0345	0.000404	0.7443	0.018157	0.0001	0.000226
1 2/2	0.0347	0.000404	0.7	0.018157	-0.0006	0.000226
1 3/2	0.0343	0.000404	0.684	0.018157	0.0001	0.000226
2 1/2	0.1391	0.000404	0.4074	0.018157	-0.0027	0.000226
2 2/2	0.1384	0.000404	0.2892	0.018157	-0.003	0.000226
2 3/2	0.1384	0.000404	0.2202	0.018157	-0.0041	0.000226
3 1/2	0.0188	0.000404	0.8264	0.018157	-0.001	0.000226
3 2/2	0.0179	0.000404	0.7749	0.018157	-0.0023	0.000226
3 3/2	0.018	0.000404	0.7358	0.018157	-0.003	0.000226
4 1/2	0.0208	0.000404	0.8637	0.018157	-0.0014	0.000226
4 2/2	0.0198	0.000404	0.8126	0.018157	-0.0008	0.000226
4 3/2	0.0207	0.000404	0.7618	0.018157	-0.0006	0.000226
5 1/2	0.1226	0.000404	0.4127	0.018157	-0.0033	0.000226
5 2/2	0.1228	0.000404	0.2771	0.018157	-0.0055	0.000226
5 3/2	0.1221	0.000404	0.2248	0.018157	-0.0064	0.000226
6 1/2	0.142	0.000404	0.409	0.018157	-0.002	0.000226
6 2/2	0.142	0.000404	0.2797	0.018157	-0.0035	0.000226
6 3/2	0.1423	0.000404	0.2162	0.018157	-0.0041	0.000226
7 1/2	- 0.0503	0.000404	0.6985	0.018157	-0.0021	0.000226
7 2/2	- 0.0504	0.000404	0.6844	0.018157	-0.0031	0.000226
7 3/2	- 0.0507	0.000404	0.6666	0.018157	-0.0045	0.000226
8 1/2	0.0715	0.000404	0.4077	0.018157	-0.0035	0.000226
8 2/2	0.0709	0.000404	0.2907	0.018157	-0.005	0.000226
8 3/2	0.0711	0.000404	0.2137	0.018157	-0.0053	0.000226
COVSTR*METHOD						
1 PROP	0.0345	0.00033	0.7094	0.014825	-0.0001	0.000185
1 DA	0.0345	0.00033	0.7094	0.014825	-0.0001	0.000185
2 PROP	0.1387	0.00033	0.3055	0.014825	-0.0033	0.000185
2 DA	0.1387	0.00033	0.3057	0.014825	-0.0033	0.000185
3 PROP	0.0183	0.00033	0.7793	0.014825	-0.0021	0.000185
3 DA	0.0183	0.00033	0.7789	0.014825	-0.0021	0.000185
4 PROP	0.0204	0.00033	0.8127	0.014825	-0.0009	0.000185
4 DA	0.0204	0.00033	0.8127	0.014825	-0.0009	0.000185
5 PROP	0.1225	0.00033	0.3048	0.014825	-0.005	0.000185
5 DA	0.1225	0.00033	0.3049	0.014825	-0.005	0.000185
6 PROP	0.1421	0.00033	0.3016	0.014825	-0.0032	0.000185
6 DA	0.1421	0.00033	0.3016	0.014825	-0.0032	0.000185
7 PROP	- 0.0505	0.00033	0.6834	0.014825	-0.0032	0.000185
7 DA	- 0.0505	0.00033	0.6829	0.014825	-0.0032	0.000185
8 PROP	0.0712	0.00033	0.3042	0.014825	-0.0046	0.000185
8 DA	0.0712	0.00033	0.3038	0.014825	-0.0046	0.000185
COVSTR*NSTRATA						
1 5	0.0366	0.00033	0.6983	0.014825	-0.0002	0.000185
1 7	0.0325	0.00033	0.7205	0.014825	-0.0001	0.000185
2 5	0.1456	0.00033	0.225	0.014825	-0.0032	0.000185
2 7	0.1317	0.00033	0.3862	0.014825	-0.0033	0.000185
3 5	0.0204	0.00033	0.7643	0.014825	-0.002	0.000185
3 7	0.0162	0.00033	0.7938	0.014825	-0.0023	0.000185
4 5	0.0226	0.00033	0.7982	0.014825	-0.001	0.000185
4 7	0.0183	0.00033	0.8272	0.014825	-0.0009	0.000185
5 5	0.1299	0.00033	0.2218	0.014825	-0.0049	0.000185
5 7	0.115	0.00033	0.3879	0.014825	-0.0052	0.000185
6 5	0.1492	0.00033	0.2193	0.014825	-0.003	0.000185
6 7	0.135	0.00033	0.384	0.014825	-0.0034	0.000185
7 5	- 0.0463	0.00033	0.6724	0.014825	-0.0031	0.000185
7 7	- 0.0546	0.00033	0.6939	0.014825	-0.0033	0.000185
8 5	0.0797	0.00033	0.2216	0.014825	-0.0043	0.000185
8 7	0.0626	0.00033	0.3864	0.014825	-0.0049	0.000185

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*OBSERVED						
1 A	0.0124	0.000467	0.9198	0.020966	0.0002	0.000261
1 X1	0.1006	0.000467	0.0854	0.020966	-0.0004	0.000261
1 X2	0.0125	0.000467	0.916	0.020966	-0.0002	0.000261
1 X1X2	0.0126	0.000467	0.9164	0.020966	-0.0001	0.000261
2 A	0.0443	0.000467	0.4082	0.020966	-0.0001	0.000261
2 X1	0.4209	0.000467	0	0.020966	-0.0003	0.000261
2 X2	0.0444	0.000467	0.4079	0.020966	-0.0063	0.000261
2 X1X2	0.0449	0.000467	0.4063	0.020966	-0.0064	0.000261
3 A	0.0125	0.000467	0.9225	0.020966	0.0003	0.000261
3 X1	0.0358	0.000467	0.3693	0.020966	-0.0073	0.000261
3 X2	0.0125	0.000467	0.9196	0.020966	-0.0001	0.000261
3 X1X2	0.0123	0.000467	0.9049	0.020966	-0.0013	0.000261
4 A	0.0128	0.000467	0.9127	0.020966	-0.0006	0.000261
4 X1	0.0432	0.000467	0.5173	0.020966	-0.001	0.000261
4 X2	0.0128	0.000467	0.91	0.020966	-0.001	0.000261
4 X1X2	0.013	0.000467	0.9109	0.020966	-0.0011	0.000261
5 A	0.0443	0.000467	0.4052	0.020966	-0.0001	0.000261
5 X1	0.3567	0.000467	0	0.020966	-0.0075	0.000261
5 X2	0.0444	0.000467	0.4117	0.020966	-0.0059	0.000261
5 X1X2	0.0445	0.000467	0.4027	0.020966	-0.0067	0.000261
6 A	0.0441	0.000467	0.4027	0.020966	-0.0002	0.000261
6 X1	0.4348	0.000467	0	0.020966	0.0001	0.000261
6 X2	0.0445	0.000467	0.401	0.020966	-0.0061	0.000261
6 X1X2	0.0449	0.000467	0.4028	0.020966	-0.0068	0.000261
7 A	0.0127	0.000467	0.9202	0.020966	-0.0004	0.000261
7 X1	- 0.24	0.000467	0	0.020966	-0.0094	0.000261
7 X2	0.0128	0.000467	0.9136	0.020966	-0.0009	0.000261
7 X1X2	0.0126	0.000467	0.8988	0.020966	-0.002	0.000261
8 A	0.044	0.000467	0.4087	0.020966	-0.0001	0.000261
8 X1	0.1518	0.000467	0.0027	0.020966	-0.0058	0.000261
8 X2	0.0441	0.000467	0.4017	0.020966	-0.0062	0.000261
8 X1X2	0.0447	0.000467	0.4028	0.020966	-0.0062	0.000261
SSIZE*KNRATIO						
1000 1/2	0.0627	0.000202	0.6983	0.009079	-0.0028	0.000113
1000 2/2	0.062	0.000202	0.6253	0.009079	-0.0041	0.000113
1000 3/2	0.0621	0.000202	0.573	0.009079	-0.0048	0.000113
5000 1/2	0.0621	0.000202	0.4942	0.009079	-0.0012	0.000113
5000 2/2	0.062	0.000202	0.4018	0.009079	-0.0018	0.000113
5000 3/2	0.0619	0.000202	0.3577	0.009079	-0.0022	0.000113
SSIZE*METHOD						
1000 PROP	0.0623	0.000165	0.6323	0.007413	-0.0039	9.2e-005
1000 DA	0.0623	0.000165	0.6321	0.007413	-0.0039	9.2e-005
5000 PROP	0.062	0.000165	0.418	0.007413	-0.0017	9.2e-005
5000 DA	0.062	0.000165	0.4179	0.007413	-0.0017	9.2e-005
SSIZE*NSTRATA						
1000 5	0.0673	0.000165	0.5913	0.007413	-0.0037	9.2e-005
1000 7	0.0572	0.000165	0.6731	0.007413	-0.0041	9.2e-005
5000 5	0.0671	0.000165	0.364	0.007413	-0.0017	9.2e-005
5000 7	0.057	0.000165	0.4718	0.007413	-0.0018	9.2e-005
SSIZE*OBSERVED						
1000 A	0.0284	0.000233	0.7927	0.010483	-0.0002	0.000131
1000 X1	0.163	0.000233	0.1915	0.010483	-0.0055	0.000131
1000 X2	0.0286	0.000233	0.7756	0.010483	-0.0046	0.000131
1000 X1X2	0.029	0.000233	0.769	0.010483	-0.0054	0.000131
5000 A	0.0283	0.000233	0.5323	0.010483	-0.0001	0.000131
5000 X1	0.163	0.000233	0.0522	0.010483	-0.0025	0.000131
5000 X2	0.0284	0.000233	0.5447	0.010483	-0.0021	0.000131
5000 X1X2	0.0284	0.000233	0.5424	0.010483	-0.0023	0.000131
KNRATIO*METHOD						
1/2 PROP	0.0624	0.000202	0.5963	0.009079	-0.002	0.000113
1/2 DA	0.0624	0.000202	0.5961	0.009079	-0.002	0.000113
2/2 PROP	0.062	0.000202	0.5136	0.009079	-0.003	0.000113
2/2 DA	0.062	0.000202	0.5135	0.009079	-0.003	0.000113
3/2 PROP	0.062	0.000202	0.4654	0.009079	-0.0035	0.000113
3/2 DA	0.062	0.000202	0.4653	0.009079	-0.0035	0.000113

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
KNRATIO*NSTRATA						
1/2 5	0.0674	0.000202	0.5491	0.009079	-0.0019	0.000113
1/2 7	0.0574	0.000202	0.6434	0.009079	-0.0021	0.000113
2/2 5	0.0672	0.000202	0.4633	0.009079	-0.0028	0.000113
2/2 7	0.0568	0.000202	0.5638	0.009079	-0.0032	0.000113
3/2 5	0.067	0.000202	0.4204	0.009079	-0.0034	0.000113
3/2 7	0.057	0.000202	0.5104	0.009079	-0.0036	0.000113
KNRATIO*OBSERVED						
1/2 A	0.0286	0.000286	0.7416	0.012839	-0.0003	0.00016
1/2 X1	0.1632	0.000286	0.1716	0.012839	-0.003	0.00016
1/2 X2	0.0287	0.000286	0.7335	0.012839	-0.0027	0.00016
1/2 X1X2	0.029	0.000286	0.7381	0.012839	-0.0019	0.00016
2/2 A	0.0283	0.000286	0.6514	0.012839	-0.0001	0.00016
2/2 X1	0.1628	0.000286	0.1134	0.012839	-0.0043	0.00016
2/2 X2	0.0284	0.000286	0.6474	0.012839	-0.0034	0.00016
2/2 X1X2	0.0285	0.000286	0.6419	0.012839	-0.0041	0.00016
3/2 A	0.0282	0.000286	0.5945	0.012839	0	0.00016
3/2 X1	0.1629	0.000286	0.0804	0.012839	-0.0047	0.00016
3/2 X2	0.0284	0.000286	0.5996	0.012839	-0.0039	0.00016
3/2 X1X2	0.0285	0.000286	0.5871	0.012839	-0.0054	0.00016
METHOD*NSTRATA						
PROP 5	0.0672	0.000165	0.4777	0.007413	-0.0027	9.2e-005
PROP 7	0.0571	0.000165	0.5726	0.007413	-0.0029	9.2e-005
DA 5	0.0672	0.000165	0.4776	0.007413	-0.0027	9.2e-005
DA 7	0.0571	0.000165	0.5724	0.007413	-0.0029	9.2e-005
METHOD*OBSERVED						
PROP A	0.0284	0.000233	0.6625	0.010483	-0.0001	0.000131
PROP X1	0.163	0.000233	0.1218	0.010483	-0.004	0.000131
PROP X2	0.0285	0.000233	0.6602	0.010483	-0.0033	0.000131
PROP X1X2	0.0287	0.000233	0.656	0.010483	-0.0038	0.000131
DA A	0.0284	0.000233	0.6625	0.010483	-0.0001	0.000131
DA X1	0.163	0.000233	0.1218	0.010483	-0.004	0.000131
DA X2	0.0285	0.000233	0.6602	0.010483	-0.0033	0.000131
DA X1X2	0.0287	0.000233	0.6554	0.010483	-0.0038	0.000131
NSTRATA*OBSERVED						
5 A	0.0342	0.000233	0.5983	0.010483	-0.0001	0.000131
5 X1	0.1656	0.000233	0.1167	0.010483	-0.0039	0.000131
5 X2	0.0344	0.000233	0.6004	0.010483	-0.0033	0.000131
5 X1X2	0.0346	0.000233	0.5952	0.010483	-0.0036	0.000131
7 A	0.0225	0.000233	0.7267	0.010483	-0.0002	0.000131
7 X1	0.1604	0.000233	0.127	0.010483	-0.0041	0.000131
7 X2	0.0226	0.000233	0.72	0.010483	-0.0034	0.000131
7 X1X2	0.0228	0.000233	0.7163	0.010483	-0.004	0.000131

Table IX: Case 2: Analysis of Variance for MeanBias, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	0.41444	0.41444	0.059205	278.6	0
SSIZE	1	3.4e-005	3.4e-005	3.4e-005	0.16	0.688
KNRATIO	2	1e-006	1e- 006	1e-006	0	0.997
METHOD	1	6.3e-005	6.3e-005	6.3e- 005	0.3	0.585
NSTRATA	1	0.056355	0.056355	0.056355	265.19	0
OBSERVED	2	0.000117	0.000117	5.8e-005	0.28	0.759
SITAVIO1	2	5.8796	5.8796	2.9398	14000	0
COVSTR*SSIZE	7	3.1e- 005	3.1e-005	4e-006	0.02	1
COVSTR*KNRATIO	14	0.000105	0.000105	7e- 006	0.04	1
COVSTR*METHOD	7	1.8e-005	1.8e-005	3e-006	0.01	1
COVSTR*NSTRATA	7	0.019874	0.019874	0.002839	13.36	0
COVSTR*OBSERVED	14	0.000251	0.000251	1.8e-005	0.08	1
COVSTR*SITAVIO1	14	1.6995	1.6995	0.1214	571.25	0
SSIZE*KNRATIO	2	5e- 006	5e-006	3e-006	0.01	0.987
SSIZE*METHOD	1	0	0	0	0	0.971
SSIZE*NSTRATA	1	2e-006	2e-006	2e-006	0.01	0.919
SSIZE*OBSERVED	2	1.4e- 005	1.4e-005	7e-006	0.03	0.967
SSIZE*SITAVIO1	2	4.1e-005	4.1e-005	2e- 005	0.1	0.909
KNRATIO*METHOD	2	0	0	0	0	1
KNRATIO*NSTRATA	2	1.4e-005	1.4e-005	7e-006	0.03	0.969
KNRATIO*OBSERVED	4	7e- 006	7e-006	2e-006	0.01	1
KNRATIO*SITAVIO1	4	4.1e-005	4.1e-005	1e- 005	0.05	0.996
METHOD*NSTRATA	1	2e-006	2e-006	2e-006	0.01	0.93
METHOD*OBSERVED	2	0.000123	0.000123	6.1e-005	0.29	0.749
METHOD*SITAVIO1	2	3.9e-005	3.9e-005	1.9e-005	0.09	0.913
NSTRATA*OBSERVED	2	0	0	0	0	1
NSTRATA*SITAVIO1	2	3.7e-005	3.7e-005	1.8e- 005	0.09	0.917
OBSERVED*SITAVIO1	4	0.18587	0.18587	0.046468	218.66	0
Error	1615	0.3432	0.3432	0.000213		
Total	1727	8.5999				

Table X: Case 2: Analysis of Variance for Clevel, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	2.4056	2.4056	0.3437	17.32	0
SSIZE	1	25.223	25.223	25.223	1271.44	0
KNRATIO	2	8.6387	8.6387	4.3193	217.73	0
METHOD	1	0.0012	0.0012	0.0012	0.06	0.803
NSTRATA	1	2.498	2.498	2.498	125.92	0
OBSERVED	2	1.0369	1.0369	0.5185	26.13	0
SITAVIO1	2	63.1431	63.1431	31.5716	1591.46	0
COVSTR*SSIZE	7	0.6371	0.6371	0.091	4.59	0
COVSTR*KNRATIO	14	0.0842	0.0842	0.006	0.3	0.994
COVSTR*METHOD	7	0.0025	0.0025	0.0004	0.02	1
COVSTR*NSTRATA	7	1.5013	1.5013	0.2145	10.81	0
COVSTR*OBSERVED	14	7.9161	7.9161	0.5654	28.5	0
COVSTR*SITAVIO1	14	81.8097	81.8097	5.8436	294.56	0
SSIZE*KNRATIO	2	1.3209	1.3209	0.6604	33.29	0
SSIZE*METHOD	1	0.0024	0.0024	0.0024	0.12	0.729
SSIZE*NSTRATA	1	0.0002	0.0002	0.0002	0.01	0.914
SSIZE*OBSERVED	2	0.2219	0.2219	0.1109	5.59	0.004
SSIZE*SITAVIO1	2	0.3422	0.3422	0.1711	8.63	0
KNRATIO*METHOD	2	0.0003	0.0003	0.0001	0.01	0.993
KNRATIO*NSTRATA	2	0.0031	0.0031	0.0016	0.08	0.925
KNRATIO*OBSERVED	4	0.0436	0.0436	0.0109	0.55	0.7
KNRATIO*SITAVIO1	4	0.1668	0.1668	0.0417	2.1	0.078
METHOD*NSTRATA	1	0.001	0.001	0.001	0.05	0.819
METHOD*OBSERVED	2	0.0028	0.0028	0.0014	0.07	0.931
METHOD*SITAVIO1	2	0.0341	0.0341	0.0171	0.86	0.423
NSTRATA*OBSERVED	2	0.0003	0.0003	0.0002	0.01	0.991
NSTRATA*SITAVIO1	2	0.6147	0.6147	0.3073	15.49	0
OBSERVED*SITAVIO1	4	3.3287	3.3287	0.8322	41.95	0
Error	1615	32.0385	32.0385	0.0198		
Total	1727	233.019				

Table XI: Case 2: Analysis of Variance for StDiff, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	0.0053837	0.0053837	0.0007691	460.71	0
SSIZE	1	0.0020105	0.0020105	0.0020105	1204.32	0
KNRATIO	2	0.0004337	0.0004337	0.0002168	129.88	0
METHOD	1	9e-007	9e- 007	9e-007	0.54	0.461
NSTRATA	1	5.25e-005	5.25e-005	5.25e- 005	31.46	0
OBSERVED	2	0.0046979	0.0046979	0.0023489	1407.06	0
SITAVIO1	2	3.67e-005	3.67e-005	1.84e-005	11	0
COVSTR*SSIZE	7	0.0006798	0.0006798	9.71e-005	58.17	0
COVSTR*KNRATIO	14	0.0004716	0.0004716	3.37e-005	20.18	0
COVSTR*METHOD	7	3e- 007	3e-007	0	0.02	1
COVSTR*NSTRATA	7	1.48e-005	1.48e- 005	2.1e-006	1.27	0.262
COVSTR*OBSERVED	14	0.0028537	0.0028537	0.0002038	122.1	0
COVSTR*SITAVIO1	14	0.0002309	0.0002309	1.65e-005	9.88	0
SSIZE*KNRATIO	2	1.63e-005	1.63e-005	8.1e-006	4.88	0.008
SSIZE*METHOD	1	4e- 007	4e-007	4e-007	0.26	0.613
SSIZE*NSTRATA	1	2.32e-005	2.32e- 005	2.32e-005	13.87	0
SSIZE*OBSERVED	2	0.0007825	0.0007825	0.0003913	234.38	0
SSIZE*SITAVIO1	2	5.63e-005	5.63e-005	2.82e-005	16.87	0
KNRATIO*METHOD	2	2e- 007	2e-007	1e-007	0.05	0.95
KNRATIO*NSTRATA	2	1.33e-005	1.33e- 005	6.7e-006	3.99	0.019
KNRATIO*OBSERVED	4	0.0006602	0.0006602	0.000165	98.86	0
KNRATIO*SITAVIO1	4	8.85e-005	8.85e-005	2.21e-005	13.25	0
METHOD*NSTRATA	1	2e- 007	2e-007	2e-007	0.14	0.708
METHOD*OBSERVED	2	5e-007	5e-007	2e- 007	0.14	0.871
METHOD*SITAVIO1	2	4.2e-006	4.2e-006	2.1e- 006	1.25	0.287
NSTRATA*OBSERVED	2	6.9e-006	6.9e-006	3.4e-006	2.06	0.128
NSTRATA*SITAVIO1	2	1.25e-005	1.25e-005	6.3e- 006	3.75	0.024
OBSERVED*SITAVIO1	4	0.0001876	0.0001876	4.69e-005	28.09	0
Error	1615	0.0026961	0.0026961	1.7e-006		
Total	1727	0.021416				

Table XII: Case 2: Means and standard errors (SE) of the 1st and 2nd order effects on MeanBias, Clevel and StDiff across the other factors.

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR						
1	0.0141	0.000992	0.4099	0.009583	-0.0004	8.8e-005
2	0.0451	0.000992	0.47	0.009583	-0.0042	8.8e-005
3	0.0137	0.000992	0.5241	0.009583	-0.0007	8.8e-005
4	0.0141	0.000992	0.3957	0.009583	-0.0008	8.8e-005
5	0.0445	0.000992	0.4635	0.009583	-0.0042	8.8e-005
6	0.0453	0.000992	0.4336	0.009583	-0.0044	8.8e-005
7	0.014	0.000992	0.4429	0.009583	-0.0011	8.8e-005
8	0.0448	0.000992	0.4639	0.009583	-0.0042	8.8e-005
SSIZE						
1000	0.0296	0.000496	0.5713	0.004792	-0.0036	4.4e-005
5000	0.0293	0.000496	0.3296	0.004792	-0.0014	4.4e-005
KNRATIO						
1/2	0.0294	0.000607	0.5443	0.005869	-0.0019	5.4e-005
2/2	0.0294	0.000607	0.4333	0.005869	-0.0025	5.4e-005
3/2	0.0295	0.000607	0.3737	0.005869	-0.0031	5.4e-005
METHOD						
PROP	0.0292	0.000496	0.4496	0.004792	-0.0025	4.4e-005
DA	0.0296	0.000496	0.4513	0.004792	-0.0025	4.4e-005
NSTRATA						
5	0.0351	0.000496	0.4124	0.004792	-0.0023	4.4e-005
7	0.0237	0.000496	0.4885	0.004792	-0.0027	4.4e-005
OBSERVED						
A	0.0291	0.000607	0.4376	0.005869	-0.0002	5.4e-005
X2	0.0297	0.000607	0.429	0.005869	-0.0034	5.4e-005
X1X2	0.0295	0.000607	0.4847	0.005869	-0.0039	5.4e-005
SITAVIO1						
- RHO14	0.1013	0.000607	0.1975	0.005869	-0.0027	5.4e-005
0	0.0285	0.000607	0.6595	0.005869	-0.0024	5.4e-005
RHO14	- 0.0415	0.000607	0.4945	0.005869	-0.0024	5.4e-005
COVSTR*SSIZE						
1 1000	0.0141	0.001403	0.5156	0.013553	-0.0005	0.000124
1 5000	0.014	0.001403	0.3041	0.013553	-0.0002	0.000124
2 1000	0.0455	0.001403	0.6046	0.013553	-0.0059	0.000124
2 5000	0.0448	0.001403	0.3354	0.013553	-0.0025	0.000124
3 1000	0.0136	0.001403	0.6177	0.013553	-0.0011	0.000124
3 5000	0.0138	0.001403	0.4304	0.013553	-0.0003	0.000124
4 1000	0.0141	0.001403	0.4905	0.013553	-0.0014	0.000124
4 5000	0.0141	0.001403	0.301	0.013553	-0.0002	0.000124
5 1000	0.0446	0.001403	0.6016	0.013553	-0.0057	0.000124
5 5000	0.0443	0.001403	0.3255	0.013553	-0.0027	0.000124
6 1000	0.0456	0.001403	0.571	0.013553	-0.0063	0.000124
6 5000	0.0451	0.001403	0.2962	0.013553	-0.0026	0.000124
7 1000	0.0141	0.001403	0.5612	0.013553	-0.0018	0.000124
7 5000	0.0138	0.001403	0.3247	0.013553	-0.0003	0.000124
8 1000	0.0449	0.001403	0.6079	0.013553	-0.0058	0.000124
8 5000	0.0446	0.001403	0.3199	0.013553	-0.0025	0.000124

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*KNRATIO						
1 1/2	0.0137	0.001718	0.4931	0.016599	-0.0004	0.000152
1 2/2	0.0144	0.001718	0.3928	0.016599	-0.0004	0.000152
1 3/2	0.014	0.001718	0.3437	0.016599	-0.0003	0.000152
2 1/2	0.0453	0.001718	0.5678	0.016599	-0.0037	0.000152
2 2/2	0.0452	0.001718	0.4544	0.016599	-0.004	0.000152
2 3/2	0.0449	0.001718	0.3878	0.016599	-0.005	0.000152
3 1/2	0.0136	0.001718	0.6085	0.016599	-0.0004	0.000152
3 2/2	0.0138	0.001718	0.5106	0.016599	-0.0006	0.000152
3 3/2	0.0136	0.001718	0.4531	0.016599	-0.0012	0.000152
4 1/2	0.0143	0.001718	0.4777	0.016599	-0.0015	0.000152
4 2/2	0.0134	0.001718	0.3833	0.016599	-0.0006	0.000152
4 3/2	0.0145	0.001718	0.3262	0.016599	-0.0003	0.000152
5 1/2	0.0445	0.001718	0.5678	0.016599	-0.0026	0.000152
5 2/2	0.0445	0.001718	0.4409	0.016599	-0.0047	0.000152
5 3/2	0.0444	0.001718	0.382	0.016599	-0.0053	0.000152
6 1/2	0.0452	0.001718	0.5376	0.016599	-0.0031	0.000152
6 2/2	0.0453	0.001718	0.4137	0.016599	-0.0047	0.000152
6 3/2	0.0455	0.001718	0.3494	0.016599	-0.0055	0.000152
7 1/2	0.0135	0.001718	0.5349	0.016599	0	0.000152
7 2/2	0.0143	0.001718	0.4235	0.016599	-0.0011	0.000152
7 3/2	0.0141	0.001718	0.3704	0.016599	-0.0021	0.000152
8 1/2	0.045	0.001718	0.5673	0.016599	-0.0033	0.000152
8 2/2	0.0446	0.001718	0.4473	0.016599	-0.0042	0.000152
8 3/2	0.0447	0.001718	0.3771	0.016599	-0.005	0.000152
COVSTR*METHOD						
1 PROP	0.0138	0.001403	0.4101	0.013553	-0.0004	0.000124
1 DA	0.0144	0.001403	0.4096	0.013553	-0.0004	0.000124
2 PROP	0.0451	0.001403	0.468	0.013553	-0.0042	0.000124
2 DA	0.0452	0.001403	0.4721	0.013553	-0.0043	0.000124
3 PROP	0.0134	0.001403	0.5247	0.013553	-0.0007	0.000124
3 DA	0.014	0.001403	0.5234	0.013553	-0.0007	0.000124
4 PROP	0.0138	0.001403	0.3961	0.013553	-0.0008	0.000124
4 DA	0.0144	0.001403	0.3954	0.013553	-0.0008	0.000124
5 PROP	0.0444	0.001403	0.4615	0.013553	-0.0042	0.000124
5 DA	0.0445	0.001403	0.4656	0.013553	-0.0042	0.000124
6 PROP	0.0453	0.001403	0.4315	0.013553	-0.0044	0.000124
6 DA	0.0454	0.001403	0.4357	0.013553	-0.0045	0.000124
7 PROP	0.0137	0.001403	0.4431	0.013553	-0.001	0.000124
7 DA	0.0143	0.001403	0.4428	0.013553	-0.0011	0.000124
8 PROP	0.0447	0.001403	0.4619	0.013553	-0.0042	0.000124
8 DA	0.0449	0.001403	0.4659	0.013553	-0.0042	0.000124
COVSTR*NSTRATA						
1 5	0.0166	0.001403	0.4019	0.013553	-0.0003	0.000124
1 7	0.0116	0.001403	0.4178	0.013553	-0.0005	0.000124
2 5	0.0542	0.001403	0.3979	0.013553	-0.0042	0.000124
2 7	0.036	0.001403	0.5421	0.013553	-0.0043	0.000124
3 5	0.016	0.001403	0.5127	0.013553	-0.0005	0.000124
3 7	0.0114	0.001403	0.5355	0.013553	-0.001	0.000124
4 5	0.0163	0.001403	0.3868	0.013553	-0.0007	0.000124
4 7	0.0119	0.001403	0.4047	0.013553	-0.0009	0.000124
5 5	0.0537	0.001403	0.3915	0.013553	-0.004	0.000124
5 7	0.0352	0.001403	0.5356	0.013553	-0.0043	0.000124
6 5	0.0544	0.001403	0.3866	0.013553	-0.0042	0.000124
6 7	0.0362	0.001403	0.4806	0.013553	-0.0046	0.000124
7 5	0.0162	0.001403	0.4326	0.013553	-0.0008	0.000124
7 7	0.0117	0.001403	0.4533	0.013553	-0.0013	0.000124
8 5	0.0537	0.001403	0.3895	0.013553	-0.0038	0.000124
8 7	0.0358	0.001403	0.5384	0.013553	-0.0045	0.000124

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*OBSERVED						
1 A	0.0135	0.001718	0.3933	0.016599	-0.0001	0.000152
1 X2	0.0144	0.001718	0.3931	0.016599	-0.0005	0.000152
1 X1X2	0.0142	0.001718	0.4433	0.016599	-0.0006	0.000152
2 A	0.0448	0.001718	0.4805	0.016599	-0.0002	0.000152
2 X2	0.0451	0.001718	0.4642	0.016599	-0.0063	0.000152
2 X1X2	0.0456	0.001718	0.4653	0.016599	-0.0062	0.000152
3 A	0.0137	0.001718	0.3971	0.016599	0	0.000152
3 X2	0.0146	0.001718	0.3965	0.016599	-0.0005	0.000152
3 X1X2	0.0128	0.001718	0.7787	0.016599	-0.0017	0.000152
4 A	0.0135	0.001718	0.3936	0.016599	-0.0005	0.000152
4 X2	0.0144	0.001718	0.3927	0.016599	-0.0009	0.000152
4 X1X2	0.0144	0.001718	0.4009	0.016599	-0.001	0.000152
5 A	0.0445	0.001718	0.4808	0.016599	-0.0001	0.000152
5 X2	0.0448	0.001718	0.4665	0.016599	-0.0059	0.000152
5 X1X2	0.0441	0.001718	0.4433	0.016599	-0.0065	0.000152
6 A	0.0447	0.001718	0.4798	0.016599	-0.0002	0.000152
6 X2	0.0452	0.001718	0.465	0.016599	-0.006	0.000152
6 X1X2	0.0461	0.001718	0.356	0.016599	-0.0071	0.000152
7 A	0.0137	0.001718	0.3937	0.016599	-0.0003	0.000152
7 X2	0.0146	0.001718	0.3928	0.016599	-0.0008	0.000152
7 X1X2	0.0135	0.001718	0.5423	0.016599	-0.0021	0.000152
8 A	0.0445	0.001718	0.4819	0.016599	-0.0002	0.000152
8 X2	0.0448	0.001718	0.4616	0.016599	-0.0062	0.000152
8 X1X2	0.045	0.001718	0.4482	0.016599	-0.0061	0.000152
COVSTR*SITAVIO1						
1 - RHO14	0.1299	0.001718	0.1438	0.016599	-0.0007	0.000152
1 0	0.0125	0.001718	0.9174	0.016599	0	0.000152
1 RHO14	- 0.1002	0.001718	0.1684	0.016599	-0.0005	0.000152
2 - RHO14	0.0832	0.001718	0.1725	0.016599	-0.004	0.000152
2 0	0.0446	0.001718	0.4075	0.016599	-0.0043	0.000152
2 RHO14	0.0077	0.001718	0.8301	0.016599	-0.0045	0.000152
3 - RHO14	0.1071	0.001718	0.2817	0.016599	-0.0014	0.000152
3 0	0.0124	0.001718	0.9157	0.016599	-0.0004	0.000152
3 RHO14	- 0.0784	0.001718	0.3749	0.016599	-0.0004	0.000152
4 - RHO14	0.1343	0.001718	0.1278	0.016599	-0.0009	0.000152
4 0	0.0128	0.001718	0.9112	0.016599	-0.0009	0.000152
4 RHO14	- 0.1049	0.001718	0.1482	0.016599	-0.0006	0.000152
5 - RHO14	0.0603	0.001718	0.3511	0.016599	-0.0049	0.000152
5 0	0.0444	0.001718	0.4065	0.016599	-0.0042	0.000152
5 RHO14	0.0286	0.001718	0.6331	0.016599	-0.0034	0.000152
6 - RHO14	0.0957	0.001718	0.1357	0.016599	-0.004	0.000152
6 0	0.0445	0.001718	0.4022	0.016599	-0.0043	0.000152
6 RHO14	- 0.0043	0.001718	0.7628	0.016599	-0.0049	0.000152
7 - RHO14	0.1198	0.001718	0.1847	0.016599	-0.0017	0.000152
7 0	0.0127	0.001718	0.9109	0.016599	-0.0011	0.000152
7 RHO14	- 0.0906	0.001718	0.2333	0.016599	-0.0004	0.000152
8 - RHO14	0.0803	0.001718	0.1825	0.016599	-0.0039	0.000152
8 0	0.0443	0.001718	0.4044	0.016599	-0.0042	0.000152
8 RHO14	0.0097	0.001718	0.8049	0.016599	-0.0044	0.000152
SSIZE*KNRATIO						
1000 1/2	0.0296	0.000859	0.701	0.0083	-0.0028	7.6e-005
1000 2/2	0.0295	0.000859	0.5497	0.0083	-0.0036	7.6e-005
1000 3/2	0.0296	0.000859	0.4631	0.0083	-0.0043	7.6e-005
5000 1/2	0.0292	0.000859	0.3877	0.0083	-0.0009	7.6e-005
5000 2/2	0.0294	0.000859	0.317	0.0083	-0.0015	7.6e-005
5000 3/2	0.0294	0.000859	0.2843	0.0083	-0.0019	7.6e-005
SSIZE*METHOD						
1000 PROP	0.0294	0.000701	0.5693	0.006777	-0.0035	6.2e-005
1000 DA	0.0298	0.000701	0.5733	0.006777	-0.0036	6.2e-005
5000 PROP	0.0291	0.000701	0.33	0.006777	-0.0014	6.2e-005
5000 DA	0.0295	0.000701	0.3293	0.006777	-0.0014	6.2e-005
SSIZE*NSTRATA						
1000 5	0.0353	0.000701	0.5336	0.006777	-0.0033	6.2e-005
1000 7	0.0239	0.000701	0.6089	0.006777	-0.0039	6.2e-005
5000 5	0.035	0.000701	0.2913	0.006777	-0.0014	6.2e-005
5000 7	0.0235	0.000701	0.368	0.006777	-0.0015	6.2e-005

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
SSIZE*OBSERVED						
1000 A	0.0291	0.000859	0.5511	0.0083	-0.0003	7.6e-005
1000 X2	0.0299	0.000859	0.5412	0.0083	-0.0048	7.6e-005
1000 X1X2	0.0297	0.000859	0.6216	0.0083	-0.0056	7.6e-005
5000 A	0.0291	0.000859	0.3241	0.0083	0	7.6e-005
5000 X2	0.0296	0.000859	0.3169	0.0083	-0.002	7.6e-005
5000 X1X2	0.0292	0.000859	0.3479	0.0083	-0.0022	7.6e-005
SSIZE*SITAVIO1						
1000 - RHO14	0.1016	0.000859	0.3361	0.0083	-0.004	7.6e-005
1000 0	0.0287	0.000859	0.7791	0.0083	-0.0034	7.6e-005
1000 RHO14	- 0.0416	0.000859	0.5986	0.0083	-0.0033	7.6e-005
5000 - RHO14	0.101	0.000859	0.0589	0.0083	-0.0014	7.6e-005
5000 0	0.0284	0.000859	0.5398	0.0083	-0.0015	7.6e-005
5000 RHO14	- 0.0415	0.000859	0.3903	0.0083	-0.0014	7.6e-005
KNRATIO*METHOD						
1/2 PROP	0.0292	0.000859	0.5431	0.0083	-0.0018	7.6e-005
1/2 DA	0.0296	0.000859	0.5455	0.0083	-0.0019	7.6e-005
2/2 PROP	0.0293	0.000859	0.4323	0.0083	-0.0025	7.6e-005
2/2 DA	0.0296	0.000859	0.4344	0.0083	-0.0025	7.6e-005
3/2 PROP	0.0293	0.000859	0.3734	0.0083	-0.0031	7.6e-005
3/2 DA	0.0297	0.000859	0.374	0.0083	-0.0031	7.6e-005
KNRATIO*NSTRATA						
1/2 5	0.0352	0.000859	0.5081	0.0083	-0.0016	7.6e-005
1/2 7	0.0236	0.000859	0.5806	0.0083	-0.0022	7.6e-005
2/2 5	0.0351	0.000859	0.3939	0.0083	-0.0024	7.6e-005
2/2 7	0.0238	0.000859	0.4728	0.0083	-0.0027	7.6e-005
3/2 5	0.0351	0.000859	0.3353	0.0083	-0.003	7.6e-005
3/2 7	0.0238	0.000859	0.4121	0.0083	-0.0032	7.6e-005
KNRATIO*OBSERVED						
1/2 A	0.0291	0.001052	0.5259	0.010165	-0.0004	9.3e-005
1/2 X2	0.0296	0.001052	0.5195	0.010165	-0.003	9.3e-005
1/2 X1X2	0.0296	0.001052	0.5876	0.010165	-0.0022	9.3e-005
2/2 A	0.0291	0.001052	0.4209	0.010165	-0.0001	9.3e-005
2/2 X2	0.0298	0.001052	0.4122	0.010165	-0.0034	9.3e-005
2/2 X1X2	0.0294	0.001052	0.4669	0.010165	-0.0041	9.3e-005
3/2 A	0.0291	0.001052	0.3659	0.010165	0	9.3e-005
3/2 X2	0.0298	0.001052	0.3555	0.010165	-0.0039	9.3e-005
3/2 X1X2	0.0295	0.001052	0.3998	0.010165	-0.0054	9.3e-005
KNRATIO*SITAVIO1						
1/2 - RHO14	0.1011	0.001052	0.309	0.010165	-0.0025	9.3e-005
1/2 0	0.0288	0.001052	0.7378	0.010165	-0.0017	9.3e-005
1/2 RHO14	- 0.0417	0.001052	0.5863	0.010165	-0.0015	9.3e-005
2/2 - RHO14	0.1014	0.001052	0.1732	0.010165	-0.0026	9.3e-005
2/2 0	0.0284	0.001052	0.6469	0.010165	-0.0025	9.3e-005
2/2 RHO14	- 0.0415	0.001052	0.4798	0.010165	-0.0024	9.3e-005
3/2 - RHO14	0.1015	0.001052	0.1102	0.010165	-0.003	9.3e-005
3/2 0	0.0284	0.001052	0.5937	0.010165	-0.0031	9.3e-005
3/2 RHO14	- 0.0415	0.001052	0.4173	0.010165	-0.0032	9.3e-005
METHOD*NSTRATA						
PROP 5	0.035	0.000701	0.4124	0.006777	- 0.0023	6.2e-005
PROP 7	0.0235	0.000701	0.4869	0.006777	- 0.0026	6.2e-005
DA 5	0.0353	0.000701	0.4125	0.006777	- 0.0023	6.2e-005
DA 7	0.0239	0.000701	0.4901	0.006777	- 0.0027	6.2e-005
METHOD*OBSERVED						
PROP A	0.0285	0.000859	0.4349	0.0083	-0.0001	7.6e-005
PROP X2	0.0297	0.000859	0.429	0.0083	-0.0034	7.6e-005
PROP X1X2	0.0295	0.000859	0.4849	0.0083	-0.0039	7.6e-005
DA A	0.0297	0.000859	0.4402	0.0083	-0.0002	7.6e-005
DA X2	0.0297	0.000859	0.429	0.0083	-0.0034	7.6e-005
DA X1X2	0.0295	0.000859	0.4846	0.0083	-0.0039	7.6e-005
METHOD*SITAVIO1						
PROP - RHO14	0.101	0.000859	0.1908	0.0083	-0.0026	7.6e-005
PROP 0	0.0285	0.000859	0.6595	0.0083	-0.0024	7.6e-005
PROP RHO14	- 0.0417	0.000859	0.4985	0.0083	-0.0024	7.6e-005
DA - RHO14	0.1017	0.000859	0.2042	0.0083	-0.0028	7.6e-005
DA 0	0.0285	0.000859	0.6594	0.0083	-0.0024	7.6e-005
DA RHO14	- 0.0413	0.000859	0.4904	0.0083	-0.0023	7.6e-005

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
NSTRATA*OBSERVED						
5 A	0.0348	0.000859	0.3989	0.0083	-0.0001	7.6e-005
5 X2	0.0354	0.000859	0.3914	0.0083	-0.0033	7.6e-005
5 X1X2	0.0352	0.000859	0.447	0.0083	-0.0036	7.6e-005
7 A	0.0234	0.000859	0.4762	0.0083	-0.0003	7.6e-005
7 X2	0.024	0.000859	0.4667	0.0083	-0.0035	7.6e-005
7 X1X2	0.0238	0.000859	0.5225	0.0083	-0.0042	7.6e-005
NSTRATA*SITAVIO1						
5 - RHO14	0.1071	0.000859	0.1603	0.0083	-0.0024	7.6e-005
5 0	0.0344	0.000859	0.5979	0.0083	-0.0023	7.6e-005
5 RHO14	- 0.036	0.000859	0.4791	0.0083	-0.0023	7.6e-005
7 - RHO14	0.0956	0.000859	0.2346	0.0083	-0.003	7.6e-005
7 0	0.0226	0.000859	0.721	0.0083	-0.0026	7.6e-005
7 RHO14	- 0.0471	0.000859	0.5098	0.0083	-0.0025	7.6e-005
OBSERVED*SITAVIO1						
A - RHO14	0.1097	0.001052	0.1243	0.010165	-0.0003	9.3e-005
A 0	0.0284	0.001052	0.6625	0.010165	-0.0001	9.3e-005
A RHO14	- 0.0508	0.001052	0.526	0.010165	-0.0001	9.3e-005
X2 - RHO14	0.1109	0.001052	0.153	0.010165	-0.0031	9.3e-005
X2 0	0.0285	0.001052	0.6602	0.010165	-0.0033	9.3e-005
X2 RHO14	- 0.0502	0.001052	0.4739	0.010165	-0.0037	9.3e-005
X1X2 - RHO14	0.0834	0.001052	0.3151	0.010165	-0.0046	9.3e-005
X1X2 0	0.0287	0.001052	0.6557	0.010165	-0.0038	9.3e-005
X1X2 RHO14	- 0.0236	0.001052	0.4834	0.010165	-0.0033	9.3e-005

Table XIII: Case 3: Analysis of Variance for MeanBias, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	13.2381	13.2381	1.8912	190000	0
SSIZE	1	1e-005	1e-005	1e-005	0.58	0.446
KNRATIO	2	0	0	0	0.09	0.916
METHOD	1	0	0	0	0	0.98
NSTRATA	1	0.001	0.001	0.001	101.92	0
OBSERVED	2	2e-005	2e- 005	1e-005	1.19	0.305
SITAVIO2	1	30.6049	30.6049	30.6049	3100000	0
COVSTR*SSIZE	7	0	0	0	0.03	1
COVSTR*KNRATIO	14	8e- 005	8e-005	1e-005	0.56	0.893
COVSTR*METHOD	7	0	0	0	0	1
COVSTR*NSTRATA	7	0.00037	0.00037	5e-005	5.43	0
COVSTR*OBSERVED	14	1e- 005	1e-005	0	0.07	1
COVSTR*SITAVIO2	7	9.6006	9.6006	1.3715	140000	0
SSIZE*KNRATIO	2	1e- 005	1e-005	1e-005	0.55	0.577
SSIZE*METHOD	1	0	0	0	0	0.963
SSIZE*NSTRATA	1	2e-005	2e-005	2e-005	1.54	0.214
SSIZE*OBSERVED	2	2e- 005	2e-005	1e-005	1.27	0.28
SSIZE*SITAVIO2	1	6e-005	6e-005	6e- 005	6.1	0.014
KNRATIO*METHOD	2	0	0	0	0	0.996
KNRATIO*NSTRATA	2	1e-005	1e-005	0	0.5	0.608
KNRATIO*OBSERVED	4	1e- 005	1e-005	0	0.13	0.97
KNRATIO*SITAVIO2	2	3e-005	3e-005	2e- 005	1.76	0.173
METHOD*NSTRATA	1	0	0	0	0	0.99
METHOD*OBSERVED	2	0	0	0	0	0.999
METHOD*SITAVIO2	1	0	0	0	0	0.957
NSTRATA*OBSERVED	2	2e- 005	2e-005	1e-005	0.89	0.413
NSTRATA*SITAVIO2	1	0.02814	0.02814	0.02814	2868.87	0
OBSERVED*SITAVIO2	2	8e-005	8e-005	4e-005	3.85	0.022
Error	1054	0.01034	0.01034	1e-005		
Total	1151	53.4839				

Table XIV: Case 3: Analysis of Variance for Clevel, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	18.9849	18.9849	2.7121	576.41	0
SSIZE	1	4.2962	4.2962	4.2962	913.08	0
KNRATIO	2	1.1202	1.1202	0.5601	119.04	0
METHOD	1	0	0	0	0	0.995
NSTRATA	1	1.0922	1.0922	1.0922	232.12	0
OBSERVED	2	0.0017	0.0017	0.0009	0.18	0.832
SITAVIO2	1	124.3037	124.3037	124.3037	26000	0
COVSTR*SSIZE	7	2.8213	2.8213	0.403	85.66	0
COVSTR*KNRATIO	14	0.5347	0.5347	0.0382	8.12	0
COVSTR*METHOD	7	0	0	0	0	1
COVSTR*NSTRATA	7	0.6564	0.6564	0.0938	19.93	0
COVSTR*OBSERVED	14	0.0049	0.0049	0.0004	0.07	1
COVSTR*SITAVIO2	7	18.2768	18.2768	2.611	554.91	0
SSIZE*KNRATIO	2	0.0027	0.0027	0.0014	0.29	0.749
SSIZE*METHOD	1	0	0	0	0	0.991
SSIZE*NSTRATA	1	0.0191	0.0191	0.0191	4.07	0.044
SSIZE*OBSERVED	2	0.0148	0.0148	0.0074	1.57	0.209
SSIZE*SITAVIO2	1	3.9529	3.9529	3.9529	840.1	0
KNRATIO*METHOD	2	0	0	0	0	1
KNRATIO*NSTRATA	2	0.0024	0.0024	0.0012	0.25	0.776
KNRATIO*OBSERVED	4	0.0027	0.0027	0.0007	0.14	0.967
KNRATIO*SITAVIO2	2	0.9223	0.9223	0.4611	98	0
METHOD*NSTRATA	1	0	0	0	0	0.999
METHOD*OBSERVED	2	0	0	0	0	1
METHOD*SITAVIO2	1	0	0	0	0	0.971
NSTRATA*OBSERVED	2	0.001	0.001	0.0005	0.11	0.897
NSTRATA*SITAVIO2	1	1.0884	1.0884	1.0884	231.31	0
OBSERVED*SITAVIO2	2	0.0029	0.0029	0.0015	0.31	0.733
Error	1054	4.9593	4.9593	0.0047		
Total	1151	183.0616				

Table XV: Case 3: Analysis of Variance for StDiff, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	0.0018803	0.0018803	0.0002686	13.15	0
SSIZE	1	0.018894	0.018894	0.018894	925.03	0
KNRATIO	2	0.0012159	0.0012159	0.000608	29.77	0
METHOD	1	3.72e- 005	3.72e-005	3.72e-005	1.82	0.178
NSTRATA	1	0.0009248	0.0009248	0.0009248	45.28	0
OBSERVED	2	0.011537	0.011537	0.0057685	282.42	0
SITAVIO2	1	0.041893	0.041893	0.041893	2051.03	0
COVSTR*SSIZE	7	0.0012015	0.0012015	0.0001716	8.4	0
COVSTR*KNRATIO	14	0.0006829	0.0006829	4.88e-005	2.39	0.003
COVSTR*METHOD	7	2.64e-005	2.64e-005	3.8e-006	0.18	0.989
COVSTR*NSTRATA	7	0.0002147	0.0002147	3.07e-005	1.5	0.163
COVSTR*OBSERVED	14	0.0039736	0.0039736	0.0002838	13.9	0
COVSTR*SITAVIO2	7	0.0023149	0.0023149	0.0003307	16.19	0
SSIZE*KNRATIO	2	0.000512	0.000512	0.000256	12.53	0
SSIZE*METHOD	1	1.93e-005	1.93e-005	1.93e-005	0.95	0.331
SSIZE*NSTRATA	1	0.000451	0.000451	0.000451	22.08	0
SSIZE*OBSERVED	2	0.0061602	0.0061602	0.0030801	150.8	0
SSIZE*SITAVIO2	1	0.011107	0.011107	0.011107	543.77	0
KNRATIO*METHOD	2	9e-007	9e-007	4e-007	0.02	0.979
KNRATIO*NSTRATA	2	5.14e-005	5.14e-005	2.57e-005	1.26	0.284
KNRATIO*OBSERVED	4	0.0001351	0.0001351	3.38e- 005	1.65	0.159
KNRATIO*SITAVIO2	2	0.003029	0.003029	0.0015145	74.15	0
METHOD*NSTRATA	1	1.5e-006	1.5e-006	1.5e-006	0.08	0.784
METHOD*OBSERVED	2	7.43e-005	7.43e-005	3.72e-005	1.82	0.163
METHOD*SITAVIO2	1	3.38e-005	3.38e-005	3.38e-005	1.66	0.198
NSTRATA*OBSERVED	2	0.0009432	0.0009432	0.0004716	23.09	0
NSTRATA*SITAVIO2	1	0.0007002	0.0007002	0.0007002	34.28	0
OBSERVED*SITAVIO2	2	0.0040111	0.0040111	0.0020056	98.19	0
Error	1054	0.021528	0.021528	2.04e-005		
Total	1151	0.13355				

Table XVI: Case 3: Means and standard errors (SE) of the 1st and 2nd order effects on MeanBias, Clevel and StDiff across the other factors.

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR						
1	0.0843	0.000261	0.46113	0.005716	-0.00623	0.000377
2	0.29874	0.000261	0.20374	0.005716	-0.00853	0.000377
3	0.08431	0.000261	0.46003	0.005716	-0.00817	0.000377
4	0.08424	0.000261	0.45844	0.005716	-0.00676	0.000377
5	0.29864	0.000261	0.20331	0.005716	-0.00971	0.000377
6	0.29888	0.000261	0.20118	0.005716	-0.00976	0.000377
7	0.08443	0.000261	0.45777	0.005716	-0.0098	0.000377
8	0.2986	0.000261	0.20221	0.005716	-0.00875	0.000377
SSIZE						
1000	0.19145	0.000131	0.39205	0.002858	-0.01251	0.000188
5000	0.19159	0.000131	0.26991	0.002858	-0.00441	0.000188
KNRATIO						
1/2	0.19154	0.00016	0.37227	0.0035	-0.00984	0.000231
2/2	0.19146	0.00016	0.32373	0.0035	-0.00819	0.000231
3/2	0.19155	0.00016	0.29692	0.0035	-0.00737	0.000231
METHOD						
PROP	0.19152	0.000131	0.33099	0.002858	-0.00828	0.000188
DA	0.19152	0.000131	0.33096	0.002858	-0.00864	0.000188
NSTRATA						
5	0.19245	0.000131	0.30019	0.002858	-0.00757	0.000188
7	0.19059	0.000131	0.36177	0.002858	-0.00936	0.000188
OBSERVED						
A	0.19158	0.00016	0.33227	0.0035	-0.00475	0.000231
X2	0.19165	0.00016	0.33133	0.0035	-0.00816	0.000231
X1X2	0.19132	0.00016	0.32933	0.0035	-0.01248	0.000231
SITAVIO2						
N	0.02852	0.000131	0.65946	0.002858	-0.00243	0.000188
Y	0.35451	0.000131	0.00249	0.002858	-0.01449	0.000188
COVSTR*SSIZE						
1 1000	0.08421	0.000369	0.47386	0.008084	-0.00865	0.000533
1 5000	0.08439	0.000369	0.4484	0.008084	-0.00382	0.000533
2 1000	0.29863	0.000369	0.31361	0.008084	-0.01197	0.000533
2 5000	0.29884	0.000369	0.09386	0.008084	-0.00508	0.000533
3 1000	0.08425	0.000369	0.47329	0.008084	-0.01271	0.000533
3 5000	0.08437	0.000369	0.44678	0.008084	-0.00363	0.000533
4 1000	0.08422	0.000369	0.46982	0.008084	-0.00984	0.000533
4 5000	0.08426	0.000369	0.44707	0.008084	-0.00368	0.000533
5 1000	0.29858	0.000369	0.31392	0.008084	-0.01432	0.000533
5 5000	0.29871	0.000369	0.09269	0.008084	-0.0051	0.000533
6 1000	0.29875	0.000369	0.31257	0.008084	-0.01454	0.000533
6 5000	0.29901	0.000369	0.08979	0.008084	-0.00498	0.000533
7 1000	0.08434	0.000369	0.46679	0.008084	-0.01562	0.000533
7 5000	0.08453	0.000369	0.44875	0.008084	-0.00398	0.000533
8 1000	0.2986	0.000369	0.3125	0.008084	-0.01246	0.000533
8 5000	0.2986	0.000369	0.09192	0.008084	-0.00505	0.000533

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*KNRATIO						
1 1/2	0.08404	0.000452	0.47223	0.009901	-0.00805	0.000652
1 2/2	0.08457	0.000452	0.45702	0.009901	-0.00602	0.000652
1 3/2	0.08428	0.000452	0.45415	0.009901	-0.00463	0.000652
2 1/2	0.2987	0.000452	0.27162	0.009901	-0.00917	0.000652
2 2/2	0.29866	0.000452	0.19277	0.009901	-0.00793	0.000652
2 3/2	0.29885	0.000452	0.14681	0.009901	-0.00848	0.000652
3 1/2	0.08465	0.000452	0.47294	0.009901	-0.01028	0.000652
3 2/2	0.08406	0.000452	0.45996	0.009901	-0.00807	0.000652
3 3/2	0.08422	0.000452	0.44721	0.009901	-0.00615	0.000652
4 1/2	0.08451	0.000452	0.4706	0.009901	-0.00903	0.000652
4 2/2	0.08357	0.000452	0.45844	0.009901	-0.0063	0.000652
4 3/2	0.08463	0.000452	0.44629	0.009901	-0.00496	0.000652
5 1/2	0.29826	0.000452	0.27533	0.009901	-0.01022	0.000652
5 2/2	0.29912	0.000452	0.18473	0.009901	-0.00954	0.000652
5 3/2	0.29855	0.000452	0.14985	0.009901	-0.00937	0.000652
6 1/2	0.29884	0.000452	0.27283	0.009901	-0.00997	0.000652
6 2/2	0.29867	0.000452	0.18656	0.009901	-0.01041	0.000652
6 3/2	0.29912	0.000452	0.14415	0.009901	-0.0089	0.000652
7 1/2	0.0845	0.000452	0.47202	0.009901	-0.01283	0.000652
7 2/2	0.08458	0.000452	0.45679	0.009901	-0.00848	0.000652
7 3/2	0.08421	0.000452	0.4445	0.009901	-0.00809	0.000652
8 1/2	0.2988	0.000452	0.27058	0.009901	-0.00917	0.000652
8 2/2	0.29848	0.000452	0.1936	0.009901	-0.00875	0.000652
8 3/2	0.29853	0.000452	0.14244	0.009901	-0.00834	0.000652
COVSTR*METHOD						
1 PROP	0.08429	0.000369	0.4611	0.008084	-0.0062	0.000533
1 DA	0.08431	0.000369	0.46117	0.008084	-0.00627	0.000533
2 PROP	0.29876	0.000369	0.20368	0.008084	-0.0085	0.000533
2 DA	0.29872	0.000369	0.20379	0.008084	-0.00855	0.000533
3 PROP	0.08429	0.000369	0.46012	0.008084	-0.00787	0.000533
3 DA	0.08433	0.000369	0.45994	0.008084	-0.00846	0.000533
4 PROP	0.08424	0.000369	0.45837	0.008084	-0.00669	0.000533
4 DA	0.08423	0.000369	0.45851	0.008084	-0.00684	0.000533
5 PROP	0.29864	0.000369	0.20325	0.008084	-0.00947	0.000533
5 DA	0.29864	0.000369	0.20336	0.008084	-0.00995	0.000533
6 PROP	0.29888	0.000369	0.20118	0.008084	-0.0096	0.000533
6 DA	0.29887	0.000369	0.20118	0.008084	-0.00992	0.000533
7 PROP	0.08443	0.000369	0.45787	0.008084	-0.0093	0.000533
7 DA	0.08443	0.000369	0.45767	0.008084	-0.0103	0.000533
8 PROP	0.29862	0.000369	0.20233	0.008084	-0.00865	0.000533
8 DA	0.29859	0.000369	0.20208	0.008084	-0.00886	0.000533
COVSTR*NSTRATA						
1 5	0.08479	0.000369	0.45326	0.008084	-0.00585	0.000533
1 7	0.08381	0.000369	0.469	0.008084	-0.00662	0.000533
2 5	0.3002	0.000369	0.14999	0.008084	-0.00812	0.000533
2 7	0.29728	0.000369	0.25749	0.008084	-0.00893	0.000533
3 5	0.08459	0.000369	0.45308	0.008084	-0.00669	0.000533
3 7	0.08403	0.000369	0.46699	0.008084	-0.00965	0.000533
4 5	0.08446	0.000369	0.45262	0.008084	-0.00638	0.000533
4 7	0.08401	0.000369	0.46426	0.008084	-0.00714	0.000533
5 5	0.3001	0.000369	0.148	0.008084	-0.00845	0.000533
5 7	0.29719	0.000369	0.25861	0.008084	-0.01097	0.000533
6 5	0.30036	0.000369	0.14624	0.008084	-0.00865	0.000533
6 7	0.2974	0.000369	0.25612	0.008084	-0.01086	0.000533
7 5	0.08492	0.000369	0.45069	0.008084	-0.00846	0.000533
7 7	0.08394	0.000369	0.46485	0.008084	-0.01114	0.000533
8 5	0.30018	0.000369	0.1476	0.008084	-0.00794	0.000533
8 7	0.29702	0.000369	0.25682	0.008084	-0.00956	0.000533

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*OBSERVED						
1 A	0.08429	0.000452	0.46167	0.009901	-0.00547	0.000652
1 X2	0.08439	0.000452	0.46008	0.009901	-0.0059	0.000652
1 X1X2	0.08422	0.000452	0.46165	0.009901	-0.00733	0.000652
2 A	0.29883	0.000452	0.20408	0.009901	-0.00377	0.000652
2 X2	0.29887	0.000452	0.20396	0.009901	-0.01018	0.000652
2 X1X2	0.29851	0.000452	0.20317	0.009901	-0.01162	0.000652
3 A	0.08452	0.000452	0.46308	0.009901	-0.00546	0.000652
3 X2	0.08455	0.000452	0.46225	0.009901	-0.006	0.000652
3 X1X2	0.08386	0.000452	0.45477	0.009901	-0.01304	0.000652
4 A	0.08422	0.000452	0.45837	0.009901	-0.00591	0.000652
4 X2	0.08429	0.000452	0.45742	0.009901	-0.00636	0.000652
4 X1X2	0.08421	0.000452	0.45954	0.009901	-0.00802	0.000652
5 A	0.29871	0.000452	0.20258	0.009901	-0.00374	0.000652
5 X2	0.29882	0.000452	0.20583	0.009901	-0.01007	0.000652
5 X1X2	0.29841	0.000452	0.2015	0.009901	-0.01532	0.000652
6 A	0.29888	0.000452	0.20137	0.009901	-0.00383	0.000652
6 X2	0.29906	0.000452	0.2005	0.009901	-0.01004	0.000652
6 X1X2	0.29869	0.000452	0.20167	0.009901	-0.01541	0.000652
7 A	0.08449	0.000452	0.46258	0.009901	-0.00601	0.000652
7 X2	0.0845	0.000452	0.45979	0.009901	-0.00655	0.000652
7 X1X2	0.0843	0.000452	0.45094	0.009901	-0.01684	0.000652
8 A	0.29871	0.000452	0.20437	0.009901	-0.00379	0.000652
8 X2	0.29873	0.000452	0.20083	0.009901	-0.01019	0.000652
8 X1X2	0.29837	0.000452	0.20142	0.009901	-0.01228	0.000652
COVSTR*SITAVIO2						
1 N	0.0125	0.000369	0.91742	0.008084	-3e-005	0.000533
1 Y	0.1561	0.000369	0.00485	0.008084	-0.01244	0.000533
2 N	0.04455	0.000369	0.40747	0.008084	-0.00426	0.000533
2 Y	0.55292	0.000369	0	0.008084	-0.01279	0.000533
3 N	0.01242	0.000369	0.91565	0.008084	-0.00038	0.000533
3 Y	0.1562	0.000369	0.00442	0.008084	-0.01596	0.000533
4 N	0.01284	0.000369	0.91119	0.008084	-0.00092	0.000533
4 Y	0.15563	0.000369	0.00569	0.008084	-0.01261	0.000533
5 N	0.0444	0.000369	0.4065	0.008084	-0.00422	0.000533
5 Y	0.55289	0.000369	0.00011	0.008084	-0.01521	0.000533
6 N	0.04449	0.000369	0.40218	0.008084	-0.00435	0.000533
6 Y	0.55327	0.000369	0.00018	0.008084	-0.01517	0.000533
7 N	0.01269	0.000369	0.91086	0.008084	-0.00113	0.000533
7 Y	0.15617	0.000369	0.00468	0.008084	-0.01847	0.000533
8 N	0.04429	0.000369	0.40442	0.008084	-0.0042	0.000533
8 Y	0.55292	0.000369	0	0.008084	-0.01331	0.000533
SSIZE*KNRATIO						
1000 1/2	0.19136	0.000226	0.43154	0.00495	-0.01477	0.000326
1000 2/2	0.19138	0.000226	0.38676	0.00495	-0.01208	0.000326
1000 3/2	0.1916	0.000226	0.35784	0.00495	-0.01069	0.000326
5000 1/2	0.19172	0.000226	0.31301	0.00495	-0.0049	0.000326
5000 2/2	0.19154	0.000226	0.26071	0.00495	-0.0043	0.000326
5000 3/2	0.1915	0.000226	0.23601	0.00495	-0.00404	0.000326
SSIZE*METHOD						
1000 PROP	0.19145	0.000185	0.39203	0.004042	-0.0122	0.000266
1000 DA	0.19144	0.000185	0.39206	0.004042	-0.01282	0.000266
5000 PROP	0.19159	0.000185	0.26994	0.004042	-0.00436	0.000266
5000 DA	0.19159	0.000185	0.26987	0.004042	-0.00446	0.000266
SSIZE*NSTRATA						
1000 5	0.19249	0.000185	0.36533	0.004042	-0.01099	0.000266
1000 7	0.1904	0.000185	0.41876	0.004042	-0.01404	0.000266
5000 5	0.1924	0.000185	0.23504	0.004042	-0.00414	0.000266
5000 7	0.19077	0.000185	0.30477	0.004042	-0.00468	0.000266
SSIZE*OBSERVED						
1000 A	0.1916	0.000226	0.39837	0.00495	-0.00656	0.000326
1000 X2	0.1917	0.000226	0.3903	0.00495	-0.01127	0.000326
1000 X1X2	0.19104	0.000226	0.38746	0.00495	-0.01971	0.000326
5000 A	0.19156	0.000226	0.26616	0.00495	-0.00294	0.000326
5000 X2	0.1916	0.000226	0.27236	0.00495	-0.00505	0.000326
5000 X1X2	0.1916	0.000226	0.2712	0.00495	-0.00525	0.000326

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
SSIZE*SITAVIO2						
1000 N	0.02868	0.000185	0.77911	0.004042	-0.00338	0.000266
1000 Y	0.35421	0.000185	0.00498	0.004042	-0.02165	0.000266
5000 N	0.02837	0.000185	0.53982	0.004042	-0.00149	0.000266
5000 Y	0.35481	0.000185	0	0.004042	-0.00734	0.000266
KNRATIO*METHOD						
1/2 PROP	0.19155	0.000226	0.37228	0.00495	-0.00963	0.000326
1/2 DA	0.19153	0.000226	0.37226	0.00495	-0.01005	0.000326
2/2 PROP	0.19147	0.000226	0.32374	0.00495	-0.008	0.000326
2/2 DA	0.19146	0.000226	0.32372	0.00495	-0.00838	0.000326
3/2 PROP	0.19154	0.000226	0.29694	0.00495	-0.00722	0.000326
3/2 DA	0.19156	0.000226	0.29691	0.00495	-0.00751	0.000326
KNRATIO*NSTRATA						
1/2 5	0.19258	0.000226	0.34138	0.00495	-0.00892	0.000326
1/2 7	0.1905	0.000226	0.40316	0.00495	-0.01076	0.000326
2/2 5	0.1924	0.000226	0.29123	0.00495	-0.00705	0.000326
2/2 7	0.19053	0.000226	0.35623	0.00495	-0.00933	0.000326
3/2 5	0.19237	0.000226	0.26794	0.00495	-0.00674	0.000326
3/2 7	0.19073	0.000226	0.32591	0.00495	-0.00799	0.000326
KNRATIO*OBSERVED						
1/2 A	0.19164	0.000277	0.37375	0.006063	-0.0063	0.000399
1/2 X2	0.19173	0.000277	0.37028	0.006063	-0.00891	0.000399
1/2 X1X2	0.19125	0.000277	0.37278	0.006063	-0.0143	0.000399
2/2 A	0.19155	0.000277	0.3258	0.006063	-0.00446	0.000399
2/2 X2	0.1916	0.000277	0.32394	0.006063	-0.00799	0.000399
2/2 X1X2	0.19123	0.000277	0.32147	0.006063	-0.01211	0.000399
3/2 A	0.19155	0.000277	0.29725	0.006063	-0.00348	0.000399
3/2 X2	0.19162	0.000277	0.29978	0.006063	-0.00758	0.000399
3/2 X1X2	0.19148	0.000277	0.29374	0.006063	-0.01104	0.000399
KNRATIO*SITAVIO2						
1/2 N	0.02878	0.000226	0.73776	0.00495	-0.00166	0.000326
1/2 Y	0.35429	0.000226	0.00679	0.00495	-0.01802	0.000326
2/2 N	0.0284	0.000226	0.64692	0.00495	-0.00254	0.000326
2/2 Y	0.35453	0.000226	0.00055	0.00495	-0.01383	0.000326
3/2 N	0.02839	0.000226	0.59371	0.00495	-0.0031	0.000326
3/2 Y	0.35471	0.000226	0.00014	0.00495	-0.01163	0.000326
METHOD*NSTRATA						
PROP 5	0.19245	0.000185	0.3002	0.004042	-0.00743	0.000266
PROP 7	0.19059	0.000185	0.36178	0.004042	-0.00914	0.000266
DA 5	0.19245	0.000185	0.30017	0.004042	-0.00771	0.000266
DA 7	0.19058	0.000185	0.36176	0.004042	-0.00958	0.000266
METHOD*OBSERVED						
PROP A	0.19158	0.000226	0.33227	0.00495	-0.00475	0.000326
PROP X2	0.19165	0.000226	0.33133	0.00495	-0.00816	0.000326
PROP X1X2	0.19133	0.000226	0.32937	0.00495	-0.01194	0.000326
DA A	0.19158	0.000226	0.33227	0.00495	-0.00475	0.000326
DA X2	0.19165	0.000226	0.33133	0.00495	-0.00816	0.000326
DA X1X2	0.19131	0.000226	0.32929	0.00495	-0.01302	0.000326
METHOD*SITAVIO2						
PROP N	0.02852	0.000185	0.65955	0.004042	-0.00243	0.000266
PROP Y	0.35452	0.000185	0.00243	0.004042	-0.01414	0.000266
DA N	0.02853	0.000185	0.65938	0.004042	-0.00244	0.000266
DA Y	0.3545	0.000185	0.00255	0.004042	-0.01485	0.000266
NSTRATA*OBSERVED						
5 A	0.19239	0.000226	0.3002	0.00495	-0.00456	0.000326
5 X2	0.19254	0.000226	0.30151	0.00495	-0.00784	0.000326
5 X1X2	0.19242	0.000226	0.29885	0.00495	-0.01031	0.000326
7 A	0.19077	0.000226	0.36433	0.00495	-0.00494	0.000326
7 X2	0.19076	0.000226	0.36116	0.00495	-0.00849	0.000326
7 X1X2	0.19022	0.000226	0.35981	0.00495	-0.01466	0.000326
NSTRATA*SITAVIO2						
5 N	0.0344	0.000185	0.59793	0.004042	-0.00232	0.000266
5 Y	0.3505	0.000185	0.00244	0.004042	-0.01282	0.000266
7 N	0.02265	0.000185	0.72099	0.004042	-0.00255	0.000266
7 Y	0.35852	0.000185	0.00255	0.004042	-0.01617	0.000266

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
OBSERVED*SITAVIO2						
A N	0.02838	0.000226	0.6625	0.00495	-0.00014	0.000326
A Y	0.35479	0.000226	0.00203	0.00495	-0.00936	0.000326
X2 N	0.02851	0.000226	0.66018	0.00495	-0.00335	0.000326
X2 Y	0.35479	0.000226	0.00249	0.00495	-0.01298	0.000326
X1X2 N	0.02869	0.000226	0.65571	0.00495	-0.00382	0.000326
X1X2 Y	0.35395	0.000226	0.00295	0.00495	-0.02115	0.000326

Table XVII: Case 4: Analysis of Variance for MeanBias, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	9.5866	9.5866	1.3695	4128.03	0
SSIZE	1	3e-005	3e-005	3e-005	0.1	0.752
KNRATIO	2	0	0	0	0	0.999
METHOD	1	5e-005	5e- 005	5e-005	0.14	0.705
NSTRATA	1	0.05497	0.05497	0.05497	165.69	0
OBSERVED	3	7.7031	7.7031	2.5677	7739.58	0
SITAVIO1	2	6.7976	6.7976	3.3988	10000	0
COVSTR*SSIZE	7	4e- 005	4e-005	1e-005	0.02	1
COVSTR*KNRATIO	14	0.0001	0.0001	1e- 005	0.02	1
COVSTR*METHOD	7	1e-005	1e-005	0	0.01	1
COVSTR*NSTRATA	7	0.01454	0.01454	0.00208	6.26	0
COVSTR*OBSERVED	21	18.2654	18.2654	0.86978	2621.72	0
COVSTR*SITAVIO1	14	1.7053	1.7053	0.12181	367.16	0
SSIZE*KNRATIO	2	1e- 005	1e-005	1e-005	0.02	0.984
SSIZE*METHOD	1	0	0	0	0	0.98
SSIZE*NSTRATA	1	0	0	0	0.01	0.904
SSIZE*OBSERVED	3	2e- 005	2e-005	1e-005	0.02	0.997
SSIZE*SITAVIO1	2	4e-005	4e-005	2e- 005	0.05	0.948
KNRATIO*METHOD	2	0	0	0	0	1
KNRATIO*NSTRATA	2	1e-005	1e-005	0	0.01	0.989
KNRATIO*OBSERVED	6	1e- 005	1e-005	0	0	1
KNRATIO*SITAVIO1	4	4e-005	4e-005	1e- 005	0.03	0.998
METHOD*NSTRATA	1	0	0	0	0	0.951
METHOD*OBSERVED	3	0.00014	0.00014	5e-005	0.14	0.937
METHOD*SITAVIO1	2	3e- 005	3e-005	1e-005	0.04	0.957
NSTRATA*OBSERVED	3	0.00472	0.00472	0.00157	4.74	0.003
NSTRATA*SITAVIO1	2	0.0001	0.0001	5e-005	0.15	0.857
OBSERVED*SITAVIO1	6	0.29738	0.29738	0.04956	149.39	0
Error	2176	0.72191	0.72191	0.00033		
Total	2303	45.1522				

Table XVIII: Case 4: Analysis of Variance for Clevel, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	6.4324	6.4324	0.9189	26.29	0
SSIZE	1	24.4149	24.4149	24.4149	698.53	0
KNRATIO	2	8.3658	8.3658	4.1829	119.68	0
METHOD	1	0.0009	0.0009	0.0009	0.03	0.871
NSTRATA	1	1.9584	1.9584	1.9584	56.03	0
OBSERVED	3	45.4549	45.4549	15.1516	433.5	0
SITAVIO1	2	56.838	56.838	28.419	813.09	0
COVSTR*SSIZE	7	0.1438	0.1438	0.0205	0.59	0.766
COVSTR*KNRATIO	14	0.0873	0.0873	0.0062	0.18	1
COVSTR*METHOD	7	0.0019	0.0019	0.0003	0.01	1
COVSTR*NSTRATA	7	1.0794	1.0794	0.1542	4.41	0
COVSTR*OBSERVED	21	20.7526	20.7526	0.9882	28.27	0
COVSTR*SITAVIO1	14	56.356	56.356	4.0254	115.17	0
SSIZE*KNRATIO	2	1.1246	1.1246	0.5623	16.09	0
SSIZE*METHOD	1	0.0018	0.0018	0.0018	0.05	0.821
SSIZE*NSTRATA	1	0.0002	0.0002	0.0002	0.01	0.943
SSIZE*OBSERVED	3	2.4306	2.4306	0.8102	23.18	0
SSIZE*SITAVIO1	2	0.1676	0.1676	0.0838	2.4	0.091
KNRATIO*METHOD	2	0.0002	0.0002	0.0001	0	0.997
KNRATIO*NSTRATA	2	0.0028	0.0028	0.0014	0.04	0.961
KNRATIO*OBSERVED	6	0.798	0.798	0.133	3.81	0.001
KNRATIO*SITAVIO1	4	0.0669	0.0669	0.0167	0.48	0.752
METHOD*NSTRATA	1	0.0008	0.0008	0.0008	0.02	0.881
METHOD*OBSERVED	3	0.0031	0.0031	0.001	0.03	0.993
METHOD*SITAVIO1	2	0.0256	0.0256	0.0128	0.37	0.694
NSTRATA*OBSERVED	3	0.5437	0.5437	0.1812	5.19	0.001
NSTRATA*SITAVIO1	2	0.4971	0.4971	0.2486	7.11	0.001
OBSERVED*SITAVIO1	6	14.0059	14.0059	2.3343	66.79	0
Error	2176	76.055	76.055	0.035		
Total	2303	317.6103				

Table XIX: Case 4: Analysis of Variance for StDiff, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	0.0054496	0.0054496	0.0007785	391.28	0
SSIZE	1	0.0032206	0.0032206	0.0032206	1618.65	0
KNRATIO	2	0.0006461	0.0006461	0.0003231	162.37	0
METHOD	1	7e-007	7e- 007	7e-007	0.34	0.559
NSTRATA	1	5.05e-005	5.05e-005	5.05e- 005	25.37	0
OBSERVED	3	0.0055717	0.0055717	0.0018572	933.43	0
SITAVIO1	2	1.05e-005	1.05e-005	5.2e-006	2.64	0.072
COVSTR*SSIZE	7	0.0007393	0.0007393	0.0001056	53.08	0
COVSTR*KNRATIO	14	0.0005108	0.0005108	3.65e-005	18.34	0
COVSTR*METHOD	7	2e- 007	2e-007	0	0.01	1
COVSTR*NSTRATA	7	1.6e-005	1.6e- 005	2.3e-006	1.15	0.328
COVSTR*OBSERVED	21	0.010676	0.010676	0.0005084	255.51	0
COVSTR*SITAVIO1	14	0.0001725	0.0001725	1.23e-005	6.19	0
SSIZE*KNRATIO	2	4.39e-005	4.39e-005	2.19e-005	11.03	0
SSIZE*METHOD	1	3e- 007	3e-007	3e-007	0.16	0.688
SSIZE*NSTRATA	1	1.48e-005	1.48e- 005	1.48e-005	7.42	0.007
SSIZE*OBSERVED	3	0.0008568	0.0008568	0.0002856	143.54	0
SSIZE*SITAVIO1	2	3.9e-005	3.9e-005	1.95e-005	9.8	0
KNRATIO*METHOD	2	1e- 007	1e-007	1e-007	0.03	0.968
KNRATIO*NSTRATA	2	6.1e-006	6.1e-006	3e- 006	1.53	0.217
KNRATIO*OBSERVED	6	0.0006674	0.0006674	0.0001112	55.9	0
KNRATIO*SITAVIO1	4	8.49e-005	8.49e-005	2.12e-005	10.67	0
METHOD*NSTRATA	1	2e- 007	2e-007	2e-007	0.09	0.766
METHOD*OBSERVED	3	7e-007	7e-007	2e- 007	0.12	0.951
METHOD*SITAVIO1	2	3.1e-006	3.1e-006	1.6e- 006	0.79	0.456
NSTRATA*OBSERVED	3	1.17e-005	1.17e-005	3.9e- 006	1.95	0.119
NSTRATA*SITAVIO1	2	1.02e-005	1.02e-005	5.1e- 006	2.56	0.078
OBSERVED*SITAVIO1	6	0.0002306	0.0002306	3.84e-005	19.32	0
Error	2176	0.0043295	0.0043295	2e-006		
Total	2303	0.033364				

Table XX: Case 4: Means and standard errors (SE) of the 1st and 2nd order effects on MeanBias, Clevel and StDiff across the other factors.

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR						
1	0.035	0.001073	0.3788	0.011016	-0.0004	8.3e-005
2	0.1394	0.001073	0.3525	0.011016	-0.0033	8.3e-005
3	0.019	0.001073	0.5026	0.011016	-0.0024	8.3e-005
4	0.0211	0.001073	0.374	0.011016	-0.0007	8.3e-005
5	0.1231	0.001073	0.3477	0.011016	-0.005	8.3e-005
6	0.1435	0.001073	0.3252	0.011016	-0.0033	8.3e-005
7	- 0.0502	0.001073	0.3322	0.011016	-0.0031	8.3e-005
8	0.0717	0.001073	0.3494	0.011016	-0.0046	8.3e-005
SSIZE						
1000	0.0629	0.000537	0.4732	0.005508	-0.004	4.2e-005
5000	0.0627	0.000537	0.2674	0.005508	-0.0017	4.2e-005
KNRATIO						
1/2	0.0628	0.000657	0.4503	0.006746	-0.0022	5.1e-005
2/2	0.0628	0.000657	0.3556	0.006746	-0.0029	5.1e-005
3/2	0.0628	0.000657	0.3049	0.006746	-0.0035	5.1e-005
METHOD						
PROP	0.0627	0.000537	0.3697	0.005508	-0.0028	4.2e-005
DA	0.063	0.000537	0.3709	0.005508	-0.0029	4.2e-005
NSTRATA						
5	0.0677	0.000537	0.3411	0.005508	-0.0027	4.2e-005
7	0.0579	0.000537	0.3995	0.005508	-0.003	4.2e-005
OBSERVED						
A	0.0291	0.000759	0.4376	0.00779	-0.0002	5.9e-005
X1	0.163	0.000759	0.1298	0.00779	-0.0039	5.9e-005
X2	0.0297	0.000759	0.429	0.00779	-0.0034	5.9e-005
X1X2	0.0295	0.000759	0.4847	0.00779	-0.0039	5.9e-005
SITAVIO1						
- RHO14	0.1297	0.000657	0.1549	0.006746	-0.0029	5.1e-005
0	0.0621	0.000657	0.5251	0.006746	-0.0028	5.1e-005
RHO14	- 0.0034	0.000657	0.4309	0.006746	-0.0028	5.1e-005
COVSTR*SSIZE						
1 1000	0.0351	0.001518	0.4757	0.015579	-0.0006	0.000118
1 5000	0.035	0.001518	0.2819	0.015579	-0.0003	0.000118
2 1000	0.1396	0.001518	0.4535	0.015579	-0.0045	0.000118
2 5000	0.1391	0.001518	0.2515	0.015579	-0.002	0.000118
3 1000	0.0188	0.001518	0.6059	0.015579	-0.0034	0.000118
3 5000	0.0191	0.001518	0.3992	0.015579	-0.0014	0.000118
4 1000	0.0211	0.001518	0.4916	0.015579	-0.0012	0.000118
4 5000	0.021	0.001518	0.2565	0.015579	-0.0002	0.000118
5 1000	0.1233	0.001518	0.4512	0.015579	-0.0069	0.000118
5 5000	0.1229	0.001518	0.2441	0.015579	-0.0032	0.000118
6 1000	0.1437	0.001518	0.4282	0.015579	-0.0047	0.000118
6 5000	0.1432	0.001518	0.2221	0.015579	-0.0019	0.000118
7 1000	- 0.05	0.001518	0.4209	0.015579	-0.0046	0.000118
7 5000	- 0.0503	0.001518	0.2435	0.015579	-0.0016	0.000118
8 1000	0.0719	0.001518	0.4588	0.015579	-0.0064	0.000118
8 5000	0.0715	0.001518	0.2399	0.015579	-0.0028	0.000118

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*KNRATIO						
1 1/2	0.0347	0.001859	0.4575	0.019081	-0.0005	0.000144
1 2/2	0.0354	0.001859	0.3634	0.019081	-0.0004	0.000144
1 3/2	0.035	0.001859	0.3156	0.019081	-0.0004	0.000144
2 1/2	0.1395	0.001859	0.4258	0.019081	-0.0028	0.000144
2 2/2	0.1394	0.001859	0.3408	0.019081	-0.0031	0.000144
2 3/2	0.1391	0.001859	0.2909	0.019081	-0.0039	0.000144
3 1/2	0.0189	0.001859	0.5909	0.019081	-0.0017	0.000144
3 2/2	0.0191	0.001859	0.4878	0.019081	-0.0024	0.000144
3 3/2	0.0189	0.001859	0.4291	0.019081	-0.0031	0.000144
4 1/2	0.0213	0.001859	0.469	0.019081	-0.0012	0.000144
4 2/2	0.0205	0.001859	0.3584	0.019081	-0.0006	0.000144
4 3/2	0.0214	0.001859	0.2947	0.019081	-0.0004	0.000144
5 1/2	0.1232	0.001859	0.4258	0.019081	-0.0035	0.000144
5 2/2	0.1231	0.001859	0.3306	0.019081	-0.0054	0.000144
5 3/2	0.123	0.001859	0.2865	0.019081	-0.0062	0.000144
6 1/2	0.1434	0.001859	0.4032	0.019081	-0.0023	0.000144
6 2/2	0.1434	0.001859	0.3103	0.019081	-0.0036	0.000144
6 3/2	0.1437	0.001859	0.262	0.019081	-0.0041	0.000144
7 1/2	- 0.0504	0.001859	0.4012	0.019081	-0.0019	0.000144
7 2/2	- 0.05	0.001859	0.3177	0.019081	-0.0031	0.000144
7 3/2	- 0.0501	0.001859	0.2778	0.019081	-0.0043	0.000144
8 1/2	0.0719	0.001859	0.4292	0.019081	-0.0036	0.000144
8 2/2	0.0715	0.001859	0.336	0.019081	-0.0046	0.000144
8 3/2	0.0717	0.001859	0.2828	0.019081	-0.0055	0.000144
COVSTR*METHOD						
1 PROP	0.0348	0.001518	0.379	0.015579	-0.0004	0.000118
1 DA	0.0352	0.001518	0.3786	0.015579	-0.0004	0.000118
2 PROP	0.1393	0.001518	0.351	0.015579	-0.0032	0.000118
2 DA	0.1394	0.001518	0.354	0.015579	-0.0033	0.000118
3 PROP	0.0188	0.001518	0.5031	0.015579	-0.0024	0.000118
3 DA	0.0192	0.001518	0.5021	0.015579	-0.0024	0.000118
4 PROP	0.0208	0.001518	0.3743	0.015579	-0.0007	0.000118
4 DA	0.0213	0.001518	0.3738	0.015579	-0.0008	0.000118
5 PROP	0.1231	0.001518	0.3461	0.015579	-0.005	0.000118
5 DA	0.1232	0.001518	0.3492	0.015579	-0.0051	0.000118
6 PROP	0.1434	0.001518	0.3236	0.015579	-0.0033	0.000118
6 DA	0.1435	0.001518	0.3268	0.015579	-0.0033	0.000118
7 PROP	- 0.0504	0.001518	0.3323	0.015579	-0.0031	0.000118
7 DA	- 0.05	0.001518	0.3321	0.015579	-0.0031	0.000118
8 PROP	0.0716	0.001518	0.3479	0.015579	-0.0046	0.000118
8 DA	0.0718	0.001518	0.3508	0.015579	-0.0046	0.000118
COVSTR*NSTRATA						
1 5	0.037	0.001518	0.3725	0.015579	-0.0004	0.000118
1 7	0.033	0.001518	0.3851	0.015579	-0.0005	0.000118
2 5	0.1463	0.001518	0.2985	0.015579	-0.0032	0.000118
2 7	0.1325	0.001518	0.4066	0.015579	-0.0033	0.000118
3 5	0.0211	0.001518	0.4908	0.015579	-0.0022	0.000118
3 7	0.0169	0.001518	0.5144	0.015579	-0.0026	0.000118
4 5	0.0231	0.001518	0.3662	0.015579	-0.0007	0.000118
4 7	0.0191	0.001518	0.3819	0.015579	-0.0008	0.000118
5 5	0.1305	0.001518	0.2936	0.015579	-0.0049	0.000118
5 7	0.1158	0.001518	0.4017	0.015579	-0.0052	0.000118
6 5	0.1502	0.001518	0.2899	0.015579	-0.0032	0.000118
6 7	0.1367	0.001518	0.3605	0.015579	-0.0035	0.000118
7 5	- 0.0465	0.001518	0.3245	0.015579	-0.0029	0.000118
7 7	- 0.0539	0.001518	0.3399	0.015579	-0.0033	0.000118
8 5	0.0799	0.001518	0.2931	0.015579	-0.0043	0.000118
8 7	0.0635	0.001518	0.4056	0.015579	-0.0049	0.000118

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*OBSERVED						
1 A	0.0135	0.002147	0.3933	0.022033	-0.0001	0.000166
1 X1	0.0979	0.002147	0.2857	0.022033	-0.0005	0.000166
1 X2	0.0144	0.002147	0.3931	0.022033	-0.0005	0.000166
1 X1X2	0.0142	0.002147	0.4433	0.022033	-0.0006	0.000166
2 A	0.0448	0.002147	0.4805	0.022033	-0.0002	0.000166
2 X1	0.422	0.002147	0	0.022033	-0.0003	0.000166
2 X2	0.0451	0.002147	0.4642	0.022033	-0.0063	0.000166
2 X1X2	0.0456	0.002147	0.4653	0.022033	-0.0062	0.000166
3 A	0.0137	0.002147	0.3971	0.022033	0	0.000166
3 X1	0.0349	0.002147	0.4381	0.022033	-0.0073	0.000166
3 X2	0.0146	0.002147	0.3965	0.022033	-0.0005	0.000166
3 X1X2	0.0128	0.002147	0.7787	0.022033	-0.0017	0.000166
4 A	0.0135	0.002147	0.3936	0.022033	-0.0005	0.000166
4 X1	0.042	0.002147	0.309	0.022033	-0.0005	0.000166
4 X2	0.0144	0.002147	0.3927	0.022033	-0.0009	0.000166
4 X1X2	0.0144	0.002147	0.4009	0.022033	-0.001	0.000166
5 A	0.0445	0.002147	0.4808	0.022033	-0.0001	0.000166
5 X1	0.3591	0.002147	0	0.022033	-0.0076	0.000166
5 X2	0.0448	0.002147	0.4665	0.022033	-0.0059	0.000166
5 X1X2	0.0441	0.002147	0.4433	0.022033	-0.0065	0.000166
6 A	0.0447	0.002147	0.4798	0.022033	-0.0002	0.000166
6 X1	0.438	0.002147	0	0.022033	0	0.000166
6 X2	0.0452	0.002147	0.465	0.022033	-0.006	0.000166
6 X1X2	0.0461	0.002147	0.356	0.022033	-0.0071	0.000166
7 A	0.0137	0.002147	0.3937	0.022033	-0.0003	0.000166
7 X1	- 0.2426	0.002147	0.0001	0.022033	-0.0093	0.000166
7 X2	0.0146	0.002147	0.3928	0.022033	-0.0008	0.000166
7 X1X2	0.0135	0.002147	0.5423	0.022033	-0.0021	0.000166
8 A	0.0445	0.002147	0.4819	0.022033	-0.0002	0.000166
8 X1	0.1525	0.002147	0.0057	0.022033	-0.0059	0.000166
8 X2	0.0448	0.002147	0.4616	0.022033	-0.0062	0.000166
8 X1X2	0.045	0.002147	0.4482	0.022033	-0.0061	0.000166
COVSTR*SITAVIO1						
1 - RHO14	0.1401	0.001859	0.1093	0.019081	-0.0007	0.000144
1 0	0.0345	0.001859	0.7094	0.019081	-0.0001	0.000144
1 RHO14	- 0.0696	0.001859	0.3177	0.019081	-0.0005	0.000144
2 - RHO14	0.181	0.001859	0.1294	0.019081	-0.003	0.000144
2 0	0.1387	0.001859	0.3056	0.019081	-0.0033	0.000144
2 RHO14	0.0984	0.001859	0.6226	0.019081	-0.0035	0.000144
3 - RHO14	0.0956	0.001859	0.2512	0.019081	-0.0029	0.000144
3 0	0.0183	0.001859	0.7791	0.019081	-0.0021	0.000144
3 RHO14	- 0.0569	0.001859	0.4775	0.019081	-0.0021	0.000144
4 - RHO14	0.1354	0.001859	0.1088	0.019081	-0.0008	0.000144
4 0	0.0204	0.001859	0.8127	0.019081	-0.0009	0.000144
4 RHO14	- 0.0927	0.001859	0.2006	0.019081	-0.0005	0.000144
5 - RHO14	0.1364	0.001859	0.2633	0.019081	-0.0055	0.000144
5 0	0.1225	0.001859	0.3049	0.019081	-0.005	0.000144
5 RHO14	0.1105	0.001859	0.4748	0.019081	-0.0046	0.000144
6 - RHO14	0.2046	0.001859	0.1018	0.019081	-0.003	0.000144
6 0	0.1421	0.001859	0.3016	0.019081	-0.0032	0.000144
6 RHO14	0.0837	0.001859	0.5721	0.019081	-0.0037	0.000144
7 - RHO14	0.0381	0.001859	0.1385	0.019081	-0.0035	0.000144
7 0	- 0.0505	0.001859	0.6831	0.019081	-0.0032	0.000144
7 RHO14	- 0.1382	0.001859	0.175	0.019081	-0.0026	0.000144
8 - RHO14	0.1062	0.001859	0.1371	0.019081	-0.0043	0.000144
8 0	0.0712	0.001859	0.304	0.019081	-0.0046	0.000144
8 RHO14	0.0378	0.001859	0.607	0.019081	-0.0049	0.000144
SSIZE*KNRATIO						
1000 1/2	0.063	0.000929	0.582	0.00954	-0.0032	7.2e-005
1000 2/2	0.0629	0.000929	0.4549	0.00954	-0.0041	7.2e-005
1000 3/2	0.0629	0.000929	0.3828	0.00954	-0.0048	7.2e-005
5000 1/2	0.0626	0.000929	0.3187	0.00954	-0.0012	7.2e-005
5000 2/2	0.0627	0.000929	0.2563	0.00954	-0.0017	7.2e-005
5000 3/2	0.0628	0.000929	0.227	0.00954	-0.0021	7.2e-005

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
SSIZE*METHOD						
1000 PROP	0.0628	0.000759	0.4717	0.00779	-0.004	5.9e-005
1000 DA	0.0631	0.000759	0.4748	0.00779	-0.0041	5.9e-005
5000 PROP	0.0626	0.000759	0.2676	0.00779	-0.0017	5.9e-005
5000 DA	0.0628	0.000759	0.2671	0.00779	-0.0017	5.9e-005
SSIZE*NSTRATA						
1000 5	0.0678	0.000759	0.4444	0.00779	-0.0038	5.9e-005
1000 7	0.0581	0.000759	0.5021	0.00779	-0.0043	5.9e-005
5000 5	0.0676	0.000759	0.2379	0.00779	-0.0016	5.9e-005
5000 7	0.0578	0.000759	0.2968	0.00779	-0.0017	5.9e-005
SSIZE*OBSERVED						
1000 A	0.0291	0.001073	0.5511	0.011016	-0.0003	8.3e-005
1000 X1	0.163	0.001073	0.1791	0.011016	-0.0054	8.3e-005
1000 X2	0.0299	0.001073	0.5412	0.011016	-0.0048	8.3e-005
1000 X1X2	0.0297	0.001073	0.6216	0.011016	-0.0056	8.3e-005
5000 A	0.0291	0.001073	0.3241	0.011016	0	8.3e-005
5000 X1	0.1629	0.001073	0.0805	0.011016	-0.0024	8.3e-005
5000 X2	0.0296	0.001073	0.3169	0.011016	-0.002	8.3e-005
5000 X1X2	0.0292	0.001073	0.3479	0.011016	-0.0022	8.3e-005
SSIZE*SITAVIO1						
1000 - RHO14	0.13	0.000929	0.2656	0.00954	-0.0043	7.2e-005
1000 0	0.0623	0.000929	0.6322	0.00954	-0.0039	7.2e-005
1000 RHO14	- 0.0034	0.000929	0.522	0.00954	-0.0039	7.2e-005
5000 - RHO14	0.1294	0.000929	0.0443	0.00954	-0.0016	7.2e-005
5000 0	0.062	0.000929	0.4179	0.00954	-0.0017	7.2e-005
5000 RHO14	- 0.0033	0.000929	0.3399	0.00954	-0.0017	7.2e-005
KNRATIO*METHOD						
1/2 PROP	0.0627	0.000929	0.4494	0.00954	-0.0022	7.2e-005
1/2 DA	0.063	0.000929	0.4512	0.00954	-0.0022	7.2e-005
2/2 PROP	0.0627	0.000929	0.3548	0.00954	-0.0029	7.2e-005
2/2 DA	0.0629	0.000929	0.3564	0.00954	-0.0029	7.2e-005
3/2 PROP	0.0627	0.000929	0.3047	0.00954	-0.0035	7.2e-005
3/2 DA	0.063	0.000929	0.3051	0.00954	-0.0035	7.2e-005
KNRATIO*NSTRATA						
1/2 5	0.0678	0.000929	0.4226	0.00954	-0.002	7.2e-005
1/2 7	0.0578	0.000929	0.478	0.00954	-0.0024	7.2e-005
2/2 5	0.0676	0.000929	0.3253	0.00954	-0.0028	7.2e-005
2/2 7	0.058	0.000929	0.386	0.00954	-0.003	7.2e-005
3/2 5	0.0677	0.000929	0.2755	0.00954	-0.0034	7.2e-005
3/2 7	0.058	0.000929	0.3344	0.00954	-0.0036	7.2e-005
KNRATIO*OBSERVED						
1/2 A	0.0291	0.001315	0.5259	0.013492	-0.0004	0.000102
1/2 X1	0.163	0.001315	0.1683	0.013492	-0.0031	0.000102
1/2 X2	0.0296	0.001315	0.5195	0.013492	-0.003	0.000102
1/2 X1X2	0.0296	0.001315	0.5876	0.013492	-0.0022	0.000102
2/2 A	0.0291	0.001315	0.4209	0.013492	-0.0001	0.000102
2/2 X1	0.1629	0.001315	0.1225	0.013492	-0.004	0.000102
2/2 X2	0.0298	0.001315	0.4122	0.013492	-0.0034	0.000102
2/2 X1X2	0.0294	0.001315	0.4669	0.013492	-0.0041	0.000102
3/2 A	0.0291	0.001315	0.3659	0.013492	0	0.000102
3/2 X1	0.163	0.001315	0.0986	0.013492	-0.0046	0.000102
3/2 X2	0.0298	0.001315	0.3555	0.013492	-0.0039	0.000102
3/2 X1X2	0.0295	0.001315	0.3998	0.013492	-0.0054	0.000102
KNRATIO*SITAVIO1						
1/2 - RHO14	0.1295	0.001138	0.2443	0.011685	-0.0026	8.8e-005
1/2 0	0.0624	0.001138	0.5962	0.011685	-0.002	8.8e-005
1/2 RHO14	- 0.0034	0.001138	0.5105	0.011685	-0.0019	8.8e-005
2/2 - RHO14	0.1297	0.001138	0.1349	0.011685	-0.0029	8.8e-005
2/2 0	0.062	0.001138	0.5135	0.011685	-0.003	8.8e-005
2/2 RHO14	- 0.0033	0.001138	0.4185	0.011685	-0.0029	8.8e-005
3/2 - RHO14	0.1298	0.001138	0.0856	0.011685	-0.0033	8.8e-005
3/2 0	0.062	0.001138	0.4654	0.011685	-0.0035	8.8e-005
3/2 RHO14	- 0.0033	0.001138	0.3638	0.011685	-0.0036	8.8e-005
METHOD*NSTRATA						
PROP 5	0.0676	0.000759	0.3411	0.00779	- 0.0027	5.9e-005
PROP 7	0.0578	0.000759	0.3982	0.00779	- 0.003	5.9e-005
DA 5	0.0678	0.000759	0.3412	0.00779	- 0.0027	5.9e-005
DA 7	0.0581	0.000759	0.4007	0.00779	- 0.003	5.9e-005

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
METHOD*OBSERVED						
PROP A	0.0285	0.001073	0.4349	0.011016	-0.0001	8.3e-005
PROP X1	0.163	0.001073	0.1298	0.011016	-0.0039	8.3e-005
PROP X2	0.0297	0.001073	0.429	0.011016	-0.0034	8.3e-005
PROP X1X2	0.0295	0.001073	0.4849	0.011016	-0.0039	8.3e-005
DA A	0.0297	0.001073	0.4402	0.011016	-0.0002	8.3e-005
DA X1	0.163	0.001073	0.1298	0.011016	-0.0039	8.3e-005
DA X2	0.0297	0.001073	0.429	0.011016	-0.0034	8.3e-005
DA X1X2	0.0295	0.001073	0.4846	0.011016	-0.0039	8.3e-005
METHOD*SITAVIO1						
PROP - RHO14	0.1294	0.000929	0.1499	0.00954	-0.0029	7.2e-005
PROP 0	0.0621	0.000929	0.5251	0.00954	-0.0028	7.2e-005
PROP RHO14	- 0.0035	0.000929	0.434	0.00954	-0.0028	7.2e-005
DA - RHO14	0.13	0.000929	0.1599	0.00954	-0.003	7.2e-005
DA 0	0.0621	0.000929	0.525	0.00954	-0.0028	7.2e-005
DA RHO14	- 0.0032	0.000929	0.4279	0.00954	-0.0028	7.2e-005
NSTRATA*OBSERVED						
5 A	0.0348	0.001073	0.3989	0.011016	-0.0001	8.3e-005
5 X1	0.1654	0.001073	0.1273	0.011016	-0.0039	8.3e-005
5 X2	0.0354	0.001073	0.3914	0.011016	-0.0033	8.3e-005
5 X1X2	0.0352	0.001073	0.447	0.011016	-0.0036	8.3e-005
7 A	0.0234	0.001073	0.4762	0.011016	-0.0003	8.3e-005
7 X1	0.1606	0.001073	0.1324	0.011016	-0.004	8.3e-005
7 X2	0.024	0.001073	0.4667	0.011016	-0.0035	8.3e-005
7 X1X2	0.0238	0.001073	0.5225	0.011016	-0.0042	8.3e-005
NSTRATA*SITAVIO1						
5 - RHO14	0.1347	0.000929	0.1264	0.00954	-0.0027	7.2e-005
5 0	0.0672	0.000929	0.4776	0.00954	-0.0027	7.2e-005
5 RHO14	0.0012	0.000929	0.4194	0.00954	-0.0027	7.2e-005
7 - RHO14	0.1247	0.000929	0.1835	0.00954	-0.0032	7.2e-005
7 0	0.0571	0.000929	0.5725	0.00954	-0.0029	7.2e-005
7 RHO14	- 0.008	0.000929	0.4424	0.00954	-0.0029	7.2e-005
OBSERVED*SITAVIO1						
A - RHO14	0.1097	0.001315	0.1243	0.013492	-0.0003	0.000102
A 0	0.0284	0.001315	0.6625	0.013492	-0.0001	0.000102
A RHO14	- 0.0508	0.001315	0.526	0.013492	-0.0001	0.000102
X1 - RHO14	0.2147	0.001315	0.0273	0.013492	-0.0037	0.000102
X1 0	0.163	0.001315	0.1218	0.013492	-0.004	0.000102
X1 RHO14	0.1112	0.001315	0.2403	0.013492	-0.0041	0.000102
X2 - RHO14	0.1109	0.001315	0.153	0.013492	-0.0031	0.000102
X2 0	0.0285	0.001315	0.6602	0.013492	-0.0033	0.000102
X2 RHO14	- 0.0502	0.001315	0.4739	0.013492	-0.0037	0.000102
X1X2 - RHO14	0.0834	0.001315	0.3151	0.013492	-0.0046	0.000102
X1X2 0	0.0287	0.001315	0.6557	0.013492	-0.0038	0.000102
X1X2 RHO14	- 0.0236	0.001315	0.4834	0.013492	-0.0033	0.000102

Table XXI: Case 5: Analysis of Variance for MeanBias, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	36.4292	36.4292	5.2042	4571.63	0
SSIZE	1	0	0	0	0	0.953
KNRATIO	2	0	0	0	0	0.999
METHOD	1	0	0	0	0	0.998
NSTRATA	1	0.00328	0.00328	0.00328	2.88	0.09
OBSERVED	3	0.36364	0.36364	0.12121	106.48	0
SITAVIO2	1	29.3615	29.3615	29.3615	26000	0
COVSTR*SSIZE	7	1e- 005	1e-005	0	0	1
COVSTR*KNRATIO	14	8e-005	8e-005	1e- 005	0.01	1
COVSTR*METHOD	7	0	0	0	0	1
COVSTR*NSTRATA	7	0.00237	0.00237	0.00034	0.3	0.955
COVSTR*OBSERVED	21	17.5167	17.5167	0.83413	732.74	0
COVSTR*SITAVIO2	7	12.9792	12.9792	1.8542	1628.81	0
SSIZE*KNRATIO	2	1e- 005	1e-005	1e-005	0	0.996
SSIZE*METHOD	1	0	0	0	0	0.997
SSIZE*NSTRATA	1	1e-005	1e-005	1e-005	0.01	0.914
SSIZE*OBSERVED	3	3e- 005	3e-005	1e-005	0.01	0.999
SSIZE*SITAVIO2	1	5e-005	5e-005	5e- 005	0.04	0.842
KNRATIO*METHOD	2	0	0	0	0	1
KNRATIO*NSTRATA	2	1e-005	1e-005	0	0	0.997
KNRATIO*OBSERVED	6	1e- 005	1e-005	0	0	1
KNRATIO*SITAVIO2	2	4e-005	4e-005	2e- 005	0.02	0.982
METHOD*NSTRATA	1	0	0	0	0	0.999
METHOD*OBSERVED	3	0	0	0	0	1
METHOD*SITAVIO2	1	0	0	0	0	0.997
NSTRATA*OBSERVED	3	0.00131	0.00131	0.00044	0.38	0.766
NSTRATA*SITAVIO2	1	0.01993	0.01993	0.01993	17.51	0
OBSERVED*SITAVIO2	3	2.8192	2.8192	0.93973	825.51	0
Error	1424	1.621	1.621	0.00114		
Total	1535	101.1175				

Table XXII: Case 5: Analysis of Variance for Clevel, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	23.4302	23.4302	3.3472	302.51	0
SSIZE	1	5.7	5.7	5.7	515.15	0
KNRATIO	2	1.489	1.489	0.7445	67.28	0
METHOD	1	0	0	0	0	0.997
NSTRATA	1	0.9258	0.9258	0.9258	83.67	0
OBSERVED	3	16.2001	16.2001	5.4	488.04	0
SITAVIO2	1	98.6039	98.6039	98.6039	8911.54	0
COVSTR*SSIZE	7	1.2556	1.2556	0.1794	16.21	0
COVSTR*KNRATIO	14	0.2101	0.2101	0.015	1.36	0.167
COVSTR*METHOD	7	0	0	0	0	1
COVSTR*NSTRATA	7	0.423	0.423	0.0604	5.46	0
COVSTR*OBSERVED	21	4.7259	4.7259	0.225	20.34	0
COVSTR*SITAVIO2	7	15.8675	15.8675	2.2668	204.86	0
SSIZE*KNRATIO	2	0.0039	0.0039	0.002	0.18	0.838
SSIZE*METHOD	1	0	0	0	0	0.995
SSIZE*NSTRATA	1	0.0139	0.0139	0.0139	1.25	0.263
SSIZE*OBSERVED	3	0.0149	0.0149	0.005	0.45	0.719
SSIZE*SITAVIO2	1	3.2818	3.2818	3.2818	296.6	0
KNRATIO*METHOD	2	0	0	0	0	1
KNRATIO*NSTRATA	2	0.0018	0.0018	0.0009	0.08	0.921
KNRATIO*OBSERVED	6	0.0027	0.0027	0.0005	0.04	1
KNRATIO*SITAVIO2	2	0.8056	0.8056	0.4028	36.4	0
METHOD*NSTRATA	1	0	0	0	0	0.999
METHOD*OBSERVED	3	0	0	0	0	1
METHOD*SITAVIO2	1	0	0	0	0	0.984
NSTRATA*OBSERVED	3	0.1805	0.1805	0.0602	5.44	0.001
NSTRATA*SITAVIO2	1	0.8046	0.8046	0.8046	72.72	0
OBSERVED*SITAVIO2	3	26.0041	26.0041	8.668	783.39	0
Error	1424	15.7562	15.7562	0.0111		
Total	1535	215.701				

Table XXIII: Case 5: Analysis of Variance for StDiff, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	0.0047023	0.0047023	0.0006718	36.63	0
SSIZE	1	0.018825	0.018825	0.018825	1026.59	0
KNRATIO	2	0.0007163	0.0007163	0.0003582	19.53	0
METHOD	1	2.79e- 005	2.79e-005	2.79e-005	1.52	0.218
NSTRATA	1	0.0008726	0.0008726	0.0008726	47.59	0
OBSERVED	3	0.016001	0.016001	0.0053337	290.87	0
SITAVIO2	1	0.033418	0.033418	0.033418	1822.44	0
COVSTR*SSIZE	7	0.001885	0.001885	0.0002693	14.69	0
COVSTR*KNRATIO	14	0.0005521	0.0005521	3.94e- 005	2.15	0.008
COVSTR*METHOD	7	1.98e-005	1.98e-005	2.8e-006	0.15	0.993
COVSTR*NSTRATA	7	0.0001606	0.0001606	2.29e-005	1.25	0.272
COVSTR*OBSERVED	21	0.0074356	0.0074356	0.0003541	19.31	0
COVSTR*SITAVIO2	7	0.0023582	0.0023582	0.0003369	18.37	0
SSIZE*KNRATIO	2	0.0003933	0.0003933	0.0001967	10.72	0
SSIZE*METHOD	1	1.45e-005	1.45e-005	1.45e-005	0.79	0.374
SSIZE*NSTRATA	1	0.0004412	0.0004412	0.0004412	24.06	0
SSIZE*OBSERVED	3	0.0075492	0.0075492	0.0025164	137.23	0
SSIZE*SITAVIO2	1	0.0089701	0.0089701	0.0089701	489.18	0
KNRATIO*METHOD	2	7e- 007	7e-007	3e-007	0.02	0.982
KNRATIO*NSTRATA	2	4.94e-005	4.94e- 005	2.47e-005	1.35	0.26
KNRATIO*OBSERVED	6	0.0006825	0.0006825	0.0001137	6.2	0
KNRATIO*SITAVIO2	2	0.0026184	0.0026184	0.0013092	71.4	0
METHOD*NSTRATA	1	1.2e-006	1.2e-006	1.2e-006	0.06	0.802
METHOD*OBSERVED	3	8.36e-005	8.36e-005	2.79e- 005	1.52	0.207
METHOD*SITAVIO2	1	2.54e-005	2.54e-005	2.54e-005	1.38	0.24
NSTRATA*OBSERVED	3	0.0010365	0.0010365	0.0003455	18.84	0
NSTRATA*SITAVIO2	1	0.0006282	0.0006282	0.0006282	34.26	0
OBSERVED*SITAVIO2	3	0.012609	0.012609	0.0042031	229.21	0
Error	1424	0.026112	0.026112	1.83e-005		
Total	1535	0.14819				

Table XXIV: Case 5: Means and standard errors (SE) of the 1st and 2nd order effects on MeanBias, Clevel and StDiff across the other factors.

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR						
1	0.0963	0.002435	0.3575	0.007591	-0.0048	0.000309
2	0.3625	0.002435	0.1528	0.007591	-0.0064	0.000309
3	0.075	0.002435	0.4131	0.007591	-0.0079	0.000309
4	0.0802	0.002435	0.4514	0.007591	-0.0055	0.000309
5	0.3413	0.002435	0.1525	0.007591	-0.0092	0.000309
6	0.4001	0.002435	0.1509	0.007591	-0.0077	0.000309
7	- 0.0358	0.002435	0.3433	0.007591	-0.0104	0.000309
8	0.2838	0.002435	0.152	0.007591	-0.0079	0.000309
SSIZE						
1000	0.2004	0.001217	0.3326	0.003796	-0.011	0.000155
5000	0.2005	0.001217	0.2108	0.003796	-0.004	0.000155
KNRATIO						
1/2	0.2004	0.001491	0.313	0.004649	-0.0084	0.000189
2/2	0.2003	0.001491	0.2643	0.004649	-0.0073	0.000189
3/2	0.2004	0.001491	0.2378	0.004649	-0.0068	0.000189
METHOD						
PROP	0.2004	0.001217	0.2717	0.003796	-0.0073	0.000155
DA	0.2004	0.001217	0.2717	0.003796	-0.0076	0.000155
NSTRATA						
5	0.2019	0.001217	0.2471	0.003796	-0.0067	0.000155
7	0.1989	0.001217	0.2962	0.003796	-0.0082	0.000155
OBSERVED						
A	0.1916	0.001722	0.3323	0.005368	-0.0047	0.000219
X1	0.227	0.001722	0.0938	0.005368	-0.0045	0.000219
X2	0.1917	0.001722	0.3313	0.005368	-0.0082	0.000219
X1X2	0.1913	0.001722	0.3293	0.005368	-0.0125	0.000219
SITAVIO2						
N	0.0621	0.001217	0.5251	0.003796	-0.0028	0.000155
Y	0.3387	0.001217	0.0183	0.003796	-0.0121	0.000155
COVSTR*SSIZE						
1 1000	0.0962	0.003444	0.3786	0.010736	-0.0066	0.000437
1 5000	0.0964	0.003444	0.3363	0.010736	-0.0029	0.000437
2 1000	0.3623	0.003444	0.2352	0.010736	-0.009	0.000437
2 5000	0.3626	0.003444	0.0704	0.010736	-0.0038	0.000437
3 1000	0.0749	0.003444	0.4715	0.010736	-0.012	0.000437
3 5000	0.0751	0.003444	0.3548	0.010736	-0.0039	0.000437
4 1000	0.0803	0.003444	0.5204	0.010736	-0.0081	0.000437
4 5000	0.0801	0.003444	0.3823	0.010736	-0.0029	0.000437
5 1000	0.3413	0.003444	0.2354	0.010736	-0.0134	0.000437
5 5000	0.3413	0.003444	0.0695	0.010736	-0.0051	0.000437
6 1000	0.3999	0.003444	0.2344	0.010736	-0.0115	0.000437
6 5000	0.4002	0.003444	0.0673	0.010736	-0.0039	0.000437
7 1000	- 0.0359	0.003444	0.3501	0.010736	-0.016	0.000437
7 5000	- 0.0358	0.003444	0.3366	0.010736	-0.0048	0.000437
8 1000	0.2838	0.003444	0.2351	0.010736	-0.0112	0.000437
8 5000	0.2837	0.003444	0.0689	0.010736	-0.0045	0.000437

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*KNRATIO						
1 1/2	0.0961	0.004217	0.3799	0.013149	-0.0061	0.000535
1 2/2	0.0965	0.004217	0.3503	0.013149	-0.0046	0.000535
1 3/2	0.0963	0.004217	0.3422	0.013149	-0.0035	0.000535
2 1/2	0.3624	0.004217	0.2037	0.013149	-0.0069	0.000535
2 2/2	0.3624	0.004217	0.1446	0.013149	-0.006	0.000535
2 3/2	0.3626	0.004217	0.1101	0.013149	-0.0064	0.000535
3 1/2	0.0753	0.004217	0.4523	0.013149	-0.0091	0.000535
3 2/2	0.0748	0.004217	0.4069	0.013149	-0.0079	0.000535
3 3/2	0.075	0.004217	0.3802	0.013149	-0.0068	0.000535
4 1/2	0.0805	0.004217	0.4987	0.013149	-0.0074	0.000535
4 2/2	0.0795	0.004217	0.4465	0.013149	-0.0052	0.000535
4 3/2	0.0805	0.004217	0.4089	0.013149	-0.0039	0.000535
5 1/2	0.341	0.004217	0.2065	0.013149	-0.0092	0.000535
5 2/2	0.3416	0.004217	0.1385	0.013149	-0.0091	0.000535
5 3/2	0.3411	0.004217	0.1124	0.013149	-0.0093	0.000535
6 1/2	0.4	0.004217	0.2046	0.013149	-0.0079	0.000535
6 2/2	0.3999	0.004217	0.1399	0.013149	-0.0082	0.000535
6 3/2	0.4003	0.004217	0.1081	0.013149	-0.0071	0.000535
7 1/2	- 0.0358	0.004217	0.354	0.013149	-0.0124	0.000535
7 2/2	- 0.0357	0.004217	0.3426	0.013149	-0.0094	0.000535
7 3/2	- 0.036	0.004217	0.3334	0.013149	-0.0095	0.000535
8 1/2	0.2839	0.004217	0.204	0.013149	-0.0081	0.000535
8 2/2	0.2836	0.004217	0.1453	0.013149	-0.0079	0.000535
8 3/2	0.2838	0.004217	0.1068	0.013149	-0.0077	0.000535
COVSTR*METHOD						
1 PROP	0.0963	0.003444	0.3574	0.010736	-0.0047	0.000437
1 DA	0.0963	0.003444	0.3575	0.010736	-0.0048	0.000437
2 PROP	0.3625	0.003444	0.1528	0.010736	-0.0064	0.000437
2 DA	0.3625	0.003444	0.1528	0.010736	-0.0065	0.000437
3 PROP	0.075	0.003444	0.4132	0.010736	-0.0077	0.000437
3 DA	0.075	0.003444	0.4131	0.010736	-0.0082	0.000437
4 PROP	0.0802	0.003444	0.4513	0.010736	-0.0054	0.000437
4 DA	0.0802	0.003444	0.4514	0.010736	-0.0055	0.000437
5 PROP	0.3413	0.003444	0.1524	0.010736	-0.009	0.000437
5 DA	0.3413	0.003444	0.1525	0.010736	-0.0094	0.000437
6 PROP	0.4001	0.003444	0.1509	0.010736	-0.0076	0.000437
6 DA	0.4	0.003444	0.1509	0.010736	-0.0079	0.000437
7 PROP	- 0.0358	0.003444	0.3434	0.010736	-0.01	0.000437
7 DA	- 0.0358	0.003444	0.3432	0.010736	-0.0108	0.000437
8 PROP	0.2838	0.003444	0.1521	0.010736	-0.0078	0.000437
8 DA	0.2838	0.003444	0.1519	0.010736	-0.0079	0.000437
COVSTR*NSTRATA						
1 5	0.0968	0.003444	0.3514	0.010736	-0.0044	0.000437
1 7	0.0957	0.003444	0.3635	0.010736	-0.0051	0.000437
2 5	0.3637	0.003444	0.1125	0.010736	-0.0061	0.000437
2 7	0.3612	0.003444	0.1931	0.010736	-0.0068	0.000437
3 5	0.0759	0.003444	0.4032	0.010736	-0.0068	0.000437
3 7	0.0742	0.003444	0.4231	0.010736	-0.009	0.000437
4 5	0.0807	0.003444	0.4405	0.010736	-0.005	0.000437
4 7	0.0797	0.003444	0.4622	0.010736	-0.006	0.000437
5 5	0.3429	0.003444	0.111	0.010736	-0.0082	0.000437
5 7	0.3396	0.003444	0.194	0.010736	-0.0102	0.000437
6 5	0.4001	0.003444	0.1097	0.010736	-0.0068	0.000437
6 7	0.4	0.003444	0.1921	0.010736	-0.0086	0.000437
7 5	- 0.032	0.003444	0.338	0.010736	-0.0093	0.000437
7 7	- 0.0396	0.003444	0.3486	0.010736	-0.0116	0.000437
8 5	0.2868	0.003444	0.1108	0.010736	-0.0071	0.000437
8 7	0.2807	0.003444	0.1933	0.010736	-0.0086	0.000437

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*OBSERVED						
1 A	0.0843	0.00487	0.4617	0.015183	-0.0055	0.000618
1 X1	0.1322	0.00487	0.0465	0.015183	-0.0003	0.000618
1 X2	0.0844	0.00487	0.4601	0.015183	-0.0059	0.000618
1 X1X2	0.0842	0.00487	0.4616	0.015183	-0.0073	0.000618
2 A	0.2988	0.00487	0.2041	0.015183	-0.0038	0.000618
2 X1	0.5537	0.00487	0	0.015183	-0.0002	0.000618
2 X2	0.2989	0.00487	0.204	0.015183	-0.0102	0.000618
2 X1X2	0.2985	0.00487	0.2032	0.015183	-0.0116	0.000618
3 A	0.0845	0.00487	0.4631	0.015183	-0.0055	0.000618
3 X1	0.0471	0.00487	0.2724	0.015183	-0.0072	0.000618
3 X2	0.0846	0.00487	0.4622	0.015183	-0.006	0.000618
3 X1X2	0.0839	0.00487	0.4548	0.015183	-0.013	0.000618
4 A	0.0842	0.00487	0.4584	0.015183	-0.0059	0.000618
4 X1	0.068	0.00487	0.4301	0.015183	-0.0017	0.000618
4 X2	0.0843	0.00487	0.4574	0.015183	-0.0064	0.000618
4 X1X2	0.0842	0.00487	0.4595	0.015183	-0.008	0.000618
5 A	0.2987	0.00487	0.2026	0.015183	-0.0037	0.000618
5 X1	0.4691	0.00487	0	0.015183	-0.0077	0.000618
5 X2	0.2988	0.00487	0.2058	0.015183	-0.0101	0.000618
5 X1X2	0.2984	0.00487	0.2015	0.015183	-0.0153	0.000618
6 A	0.2989	0.00487	0.2014	0.015183	-0.0038	0.000618
6 X1	0.7036	0.00487	0	0.015183	-0.0016	0.000618
6 X2	0.2991	0.00487	0.2005	0.015183	-0.01	0.000618
6 X1X2	0.2987	0.00487	0.2017	0.015183	-0.0154	0.000618
7 A	0.0845	0.00487	0.4626	0.015183	-0.006	0.000618
7 X1	- 0.3966	0.00487	0	0.015183	-0.0123	0.000618
7 X2	0.0845	0.00487	0.4598	0.015183	-0.0066	0.000618
7 X1X2	0.0843	0.00487	0.4509	0.015183	-0.0168	0.000618
8 A	0.2987	0.00487	0.2044	0.015183	-0.0038	0.000618
8 X1	0.2393	0.00487	0.0015	0.015183	-0.0052	0.000618
8 X2	0.2987	0.00487	0.2008	0.015183	-0.0102	0.000618
8 X1X2	0.2984	0.00487	0.2014	0.015183	-0.0123	0.000618
COVSTR*SITAVIO2						
1 N	0.0345	0.003444	0.7094	0.010736	-0.0001	0.000437
1 Y	0.158	0.003444	0.0055	0.010736	-0.0094	0.000437
2 N	0.1387	0.003444	0.3056	0.010736	-0.0033	0.000437
2 Y	0.5863	0.003444	0	0.010736	-0.0096	0.000437
3 N	0.0183	0.003444	0.7791	0.010736	-0.0021	0.000437
3 Y	0.1318	0.003444	0.0472	0.010736	-0.0137	0.000437
4 N	0.0204	0.003444	0.8127	0.010736	-0.0009	0.000437
4 Y	0.1399	0.003444	0.09	0.010736	-0.0101	0.000437
5 N	0.1225	0.003444	0.3049	0.010736	-0.005	0.000437
5 Y	0.56	0.003444	0.0001	0.010736	-0.0134	0.000437
6 N	0.1421	0.003444	0.3016	0.010736	-0.0032	0.000437
6 Y	0.658	0.003444	0.0001	0.010736	-0.0122	0.000437
7 N	- 0.0505	0.003444	0.6831	0.010736	-0.0032	0.000437
7 Y	- 0.0212	0.003444	0.0035	0.010736	-0.0176	0.000437
8 N	0.0712	0.003444	0.304	0.010736	-0.0046	0.000437
8 Y	0.4964	0.003444	0.0001	0.010736	-0.0111	0.000437
SSIZE*KNRATIO						
1000 1/2	0.2003	0.002109	0.3744	0.006574	-0.0126	0.000268
1000 2/2	0.2003	0.002109	0.3269	0.006574	-0.0107	0.000268
1000 3/2	0.2005	0.002109	0.2965	0.006574	-0.0097	0.000268
5000 1/2	0.2006	0.002109	0.2515	0.006574	-0.0042	0.000268
5000 2/2	0.2004	0.002109	0.2018	0.006574	-0.0039	0.000268
5000 3/2	0.2004	0.002109	0.179	0.006574	-0.0038	0.000268
SSIZE*METHOD						
1000 PROP	0.2004	0.001722	0.3326	0.005368	-0.0107	0.000219
1000 DA	0.2003	0.001722	0.3326	0.005368	-0.0112	0.000219
5000 PROP	0.2004	0.001722	0.2108	0.005368	-0.0039	0.000219
5000 DA	0.2005	0.001722	0.2107	0.005368	-0.004	0.000219
SSIZE*NSTRATA						
1000 5	0.2019	0.001722	0.3111	0.005368	-0.0097	0.000219
1000 7	0.1988	0.001722	0.3541	0.005368	-0.0123	0.000219
5000 5	0.2018	0.001722	0.1832	0.005368	-0.0038	0.000219
5000 7	0.1991	0.001722	0.2383	0.005368	-0.0042	0.000219

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
SSIZE*OBSERVED						
1000 A	0.1916	0.002435	0.3984	0.007591	-0.0066	0.000309
1000 X1	0.2271	0.002435	0.1543	0.007591	-0.0064	0.000309
1000 X2	0.1917	0.002435	0.3903	0.007591	-0.0113	0.000309
1000 X1X2	0.191	0.002435	0.3875	0.007591	-0.0197	0.000309
5000 A	0.1916	0.002435	0.2662	0.007591	-0.0029	0.000309
5000 X1	0.227	0.002435	0.0334	0.007591	-0.0027	0.000309
5000 X2	0.1916	0.002435	0.2724	0.007591	-0.0051	0.000309
5000 X1X2	0.1916	0.002435	0.2712	0.007591	-0.0052	0.000309
SSIZE*SITAVIO2						
1000 N	0.0623	0.001722	0.6322	0.005368	-0.0039	0.000219
1000 Y	0.3384	0.001722	0.033	0.005368	-0.0181	0.000219
5000 N	0.062	0.001722	0.4179	0.005368	-0.0017	0.000219
5000 Y	0.3389	0.001722	0.0036	0.005368	-0.0062	0.000219
KNRATIO*METHOD						
1/2 PROP	0.2004	0.002109	0.313	0.006574	-0.0082	0.000268
1/2 DA	0.2004	0.002109	0.313	0.006574	-0.0086	0.000268
2/2 PROP	0.2003	0.002109	0.2643	0.006574	-0.0071	0.000268
2/2 DA	0.2003	0.002109	0.2643	0.006574	-0.0074	0.000268
3/2 PROP	0.2004	0.002109	0.2378	0.006574	-0.0067	0.000268
3/2 DA	0.2004	0.002109	0.2378	0.006574	-0.0069	0.000268
KNRATIO*NSTRATA						
1/2 5	0.202	0.002109	0.2884	0.006574	-0.0075	0.000268
1/2 7	0.1989	0.002109	0.3376	0.006574	-0.0092	0.000268
2/2 5	0.2018	0.002109	0.2385	0.006574	-0.0064	0.000268
2/2 7	0.1989	0.002109	0.2902	0.006574	-0.0082	0.000268
3/2 5	0.2018	0.002109	0.2146	0.006574	-0.0063	0.000268
3/2 7	0.1991	0.002109	0.261	0.006574	-0.0073	0.000268
KNRATIO*OBSERVED						
1/2 A	0.1916	0.002982	0.3737	0.009297	-0.0063	0.000378
1/2 X1	0.2271	0.002982	0.135	0.009297	-0.0041	0.000378
1/2 X2	0.1917	0.002982	0.3703	0.009297	-0.0089	0.000378
1/2 X1X2	0.1912	0.002982	0.3728	0.009297	-0.0143	0.000378
2/2 A	0.1916	0.002982	0.3258	0.009297	-0.0045	0.000378
2/2 X1	0.227	0.002982	0.0861	0.009297	-0.0046	0.000378
2/2 X2	0.1916	0.002982	0.3239	0.009297	-0.008	0.000378
2/2 X1X2	0.1912	0.002982	0.3215	0.009297	-0.0121	0.000378
3/2 A	0.1915	0.002982	0.2972	0.009297	-0.0035	0.000378
3/2 X1	0.2271	0.002982	0.0603	0.009297	-0.0049	0.000378
3/2 X2	0.1916	0.002982	0.2998	0.009297	-0.0076	0.000378
3/2 X1X2	0.1915	0.002982	0.2937	0.009297	-0.011	0.000378
KNRATIO*SITAVIO2						
1/2 N	0.0624	0.002109	0.5962	0.006574	-0.002	0.000268
1/2 Y	0.3385	0.002109	0.0297	0.006574	-0.0148	0.000268
2/2 N	0.062	0.002109	0.5135	0.006574	-0.003	0.000268
2/2 Y	0.3387	0.002109	0.0151	0.006574	-0.0116	0.000268
3/2 N	0.062	0.002109	0.4654	0.006574	-0.0035	0.000268
3/2 Y	0.3389	0.002109	0.0101	0.006574	-0.01	0.000268
METHOD*NSTRATA						
PROP 5	0.2019	0.001722	0.2471	0.005368	-0.0066	0.000219
PROP 7	0.1989	0.001722	0.2962	0.005368	-0.0081	0.000219
DA 5	0.2019	0.001722	0.2471	0.005368	-0.0068	0.000219
DA 7	0.1989	0.001722	0.2962	0.005368	-0.0084	0.000219
METHOD*OBSERVED						
PROP A	0.1916	0.002435	0.3323	0.007591	-0.0047	0.000309
PROP X1	0.227	0.002435	0.0938	0.007591	-0.0045	0.000309
PROP X2	0.1917	0.002435	0.3313	0.007591	-0.0082	0.000309
PROP X1X2	0.1913	0.002435	0.3294	0.007591	-0.0119	0.000309
DA A	0.1916	0.002435	0.3323	0.007591	-0.0047	0.000309
DA X1	0.227	0.002435	0.0938	0.007591	-0.0045	0.000309
DA X2	0.1917	0.002435	0.3313	0.007591	-0.0082	0.000309
DA X1X2	0.1913	0.002435	0.3293	0.007591	-0.013	0.000309
METHOD*SITAVIO2						
PROP N	0.0621	0.001722	0.5251	0.005368	-0.0028	0.000219
PROP Y	0.3387	0.001722	0.0183	0.005368	-0.0119	0.000219
DA N	0.0621	0.001722	0.525	0.005368	-0.0028	0.000219
DA Y	0.3387	0.001722	0.0184	0.005368	-0.0124	0.000219

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
NSTRATA*OBSERVED						
5 A	0.1924	0.002435	0.3002	0.007591	-0.0046	0.000309
5 X1	0.2301	0.002435	0.088	0.007591	-0.0042	0.000309
5 X2	0.1925	0.002435	0.3015	0.007591	-0.0078	0.000309
5 X1X2	0.1924	0.002435	0.2988	0.007591	-0.0103	0.000309
7 A	0.1908	0.002435	0.3643	0.007591	-0.0049	0.000309
7 X1	0.224	0.002435	0.0996	0.007591	-0.0049	0.000309
7 X2	0.1908	0.002435	0.3612	0.007591	-0.0085	0.000309
7 X1X2	0.1902	0.002435	0.3598	0.007591	-0.0147	0.000309
NSTRATA*SITAVIO2						
5 N	0.0672	0.001722	0.4776	0.005368	-0.0027	0.000219
5 Y	0.3365	0.001722	0.0167	0.005368	-0.0108	0.000219
7 N	0.0571	0.001722	0.5725	0.005368	-0.0029	0.000219
7 Y	0.3408	0.001722	0.02	0.005368	-0.0135	0.000219
OBSERVED*SITAVIO2						
A N	0.0284	0.002435	0.6625	0.007591	-0.0001	0.000309
A Y	0.3548	0.002435	0.002	0.007591	-0.0094	0.000309
X1 N	0.163	0.002435	0.1218	0.007591	-0.004	0.000309
X1 Y	0.2911	0.002435	0.0658	0.007591	-0.0051	0.000309
X2 N	0.0285	0.002435	0.6602	0.007591	-0.0033	0.000309
X2 Y	0.3548	0.002435	0.0025	0.007591	-0.013	0.000309
X1X2 N	0.0287	0.002435	0.6557	0.007591	-0.0038	0.000309
X1X2 Y	0.354	0.002435	0.003	0.007591	-0.0211	0.000309

Table XXV: Case 6: Analysis of Variance for MeanBias, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	39.9134	39.9134	5.7019	19000	0
SSIZE	1	0.0001	0.0001	0.0001	0.22	0.638
KNRATIO	2	0	0	0	0.03	0.969
METHOD	1	0.0002	0.0002	0.0002	0.83	0.363
NSTRATA	1	0.002	0.002	0.002	6.59	0.01
OBSERVED	2	0.0007	0.0007	0.0003	1.12	0.326
SITAVIO1	2	5.6178	5.6178	2.8089	9367.36	0
SITAVIO2	1	90.4821	90.4821	90.4821	300000	0
COVSTR*SSIZE	7	0.0001	0.0001	0	0.03	1
COVSTR*KNRATIO	14	0.0002	0.0002	0	0.05	1
COVSTR*METHOD	7	0	0	0	0.02	1
COVSTR*NSTRATA	7	0.0016	0.0016	0.0002	0.77	0.616
COVSTR*OBSERVED	14	0.0009	0.0009	0.0001	0.22	0.999
COVSTR*SITAVIO1	14	2.3635	2.3635	0.1688	563.01	0
COVSTR*SITAVIO2	7	29.2406	29.2406	4.1772	14000	0
SSIZE*KNRATIO	2	0	0	0	0.04	0.964
SSIZE*METHOD	1	0	0	0	0	0.983
SSIZE*NSTRATA	1	0	0	0	0.12	0.734
SSIZE*OBSERVED	2	0.0002	0.0002	0.0001	0.38	0.686
SSIZE*SITAVIO1	2	0.0001	0.0001	0	0.16	0.853
SSIZE*SITAVIO2	1	0.0003	0.0003	0.0003	0.9	0.343
KNRATIO*METHOD	2	0	0	0	0	0.999
KNRATIO*NSTRATA	2	0	0	0	0.08	0.924
KNRATIO*OBSERVED	4	0	0	0	0.01	1
KNRATIO*SITAVIO1	4	0.0002	0.0002	0	0.16	0.959
KNRATIO*SITAVIO2	2	0	0	0	0.01	0.987
METHOD*NSTRATA	1	0	0	0	0	0.947
METHOD*OBSERVED	2	0.0005	0.0005	0.0003	0.84	0.431
METHOD*SITAVIO1	2	0.0263	0.0263	0.0132	43.88	0
METHOD*SITAVIO2	1	0.0007	0.0007	0.0007	2.43	0.119
NSTRATA*OBSERVED	2	0	0	0	0.05	0.951
NSTRATA*SITAVIO1	2	0.0026	0.0026	0.0013	4.37	0.013
NSTRATA*SITAVIO2	1	0.0848	0.0848	0.0848	282.9	0
OBSERVED*SITAVIO1	4	0.193	0.193	0.0482	160.87	0
OBSERVED*SITAVIO2	2	0.0015	0.0015	0.0008	2.56	0.077
SITAVIO1*SITAVIO2	2	1.1235	1.1235	0.5618	1873.38	0
Error	3326	0.9973	0.9973	0.0003		
Total	3455	170.0545				

Table XXVI: Case 6: Analysis of Variance for Clevel, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	1.0475	1.0475	0.1496	5.77	0
SSIZE	1	14.5913	14.5913	14.5913	562.58	0
KNRATIO	2	5.2611	5.2611	2.6305	101.42	0
METHOD	1	0.0037	0.0037	0.0037	0.14	0.705
NSTRATA	1	1.2097	1.2097	1.2097	46.64	0
OBSERVED	2	0.4893	0.4893	0.2446	9.43	0
SITAVIO1	2	32.4351	32.4351	16.2176	625.28	0
SITAVIO2	1	168.0347	168.0347	168.0347	6478.71	0
COVSTR*SSIZE	7	0.1115	0.1115	0.0159	0.61	0.745
COVSTR*KNRATIO	14	0.0077	0.0077	0.0005	0.02	1
COVSTR*METHOD	7	0	0	0	0	1
COVSTR*NSTRATA	7	0.7806	0.7806	0.1115	4.3	0
COVSTR*OBSERVED	14	3.6907	3.6907	0.2636	10.16	0
COVSTR*SITAVIO1	14	37.6806	37.6806	2.6915	103.77	0
COVSTR*SITAVIO2	7	1.515	1.515	0.2164	8.34	0
SSIZE*KNRATIO	2	1.0437	1.0437	0.5218	20.12	0
SSIZE*METHOD	1	0.0048	0.0048	0.0048	0.18	0.668
SSIZE*NSTRATA	1	0.0012	0.0012	0.0012	0.05	0.831
SSIZE*OBSERVED	2	0.0964	0.0964	0.0482	1.86	0.156
SSIZE*SITAVIO1	2	0.0443	0.0443	0.0221	0.85	0.426
SSIZE*SITAVIO2	1	10.7759	10.7759	10.7759	415.48	0
KNRATIO*METHOD	2	0.001	0.001	0.0005	0.02	0.98
KNRATIO*NSTRATA	2	0.0029	0.0029	0.0014	0.06	0.946
KNRATIO*OBSERVED	4	0.0168	0.0168	0.0042	0.16	0.958
KNRATIO*SITAVIO1	4	0.111	0.111	0.0278	1.07	0.369
KNRATIO*SITAVIO2	2	3.472	3.472	1.736	66.93	0
METHOD*NSTRATA	1	0.0005	0.0005	0.0005	0.02	0.893
METHOD*OBSERVED	2	0.0067	0.0067	0.0034	0.13	0.878
METHOD*SITAVIO1	2	0.0095	0.0095	0.0047	0.18	0.833
METHOD*SITAVIO2	1	0.0001	0.0001	0.0001	0	0.944
NSTRATA*OBSERVED	2	0.0006	0.0006	0.0003	0.01	0.988
NSTRATA*SITAVIO1	2	0.3405	0.3405	0.1703	6.56	0.001
NSTRATA*SITAVIO2	1	1.289	1.289	1.289	49.7	0
OBSERVED*SITAVIO1	4	1.7184	1.7184	0.4296	16.56	0
OBSERVED*SITAVIO2	2	0.5538	0.5538	0.2769	10.68	0
SITAVIO1*SITAVIO2	2	30.9105	30.9105	15.4553	595.89	0
Error	3326	86.2646	86.2646	0.0259		
Total	3455	403.5225				

Table XXVII: Case 6: Analysis of Variance for StDiff, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	0.019602	0.019602	0.0028003	45.25	0
SSIZE	1	0.054482	0.054482	0.054482	880.39	0
KNRATIO	2	0.0049554	0.0049554	0.0024777	40.04	0
METHOD	1	0.0004209	0.0004209	0.0004209	6.8	0.009
NSTRATA	1	0.0097575	0.0097575	0.0097575	157.67	0
OBSERVED	2	0.12524	0.12524	0.06262	1011.9	0
SITAVIO1	2	0.0083264	0.0083264	0.0041632	67.27	0
SITAVIO2	1	0.22985	0.22985	0.22985	3714.23	0
COVSTR*SSIZE	7	0.0032631	0.0032631	0.0004662	7.53	0
COVSTR*KNRATIO	14	0.0012491	0.0012491	8.92e-005	1.44	0.125
COVSTR*METHOD	7	0.0001753	0.0001753	2.5e-005	0.4	0.9
COVSTR*NSTRATA	7	0.0025741	0.0025741	0.0003677	5.94	0
COVSTR*OBSERVED	14	0.045216	0.045216	0.0032297	52.19	0
COVSTR*SITAVIO1	14	0.0091868	0.0091868	0.0006562	10.6	0
COVSTR*SITAVIO2	7	0.025253	0.025253	0.0036076	58.3	0
SSIZE*KNRATIO	2	0.0004613	0.0004613	0.0002307	3.73	0.024
SSIZE*METHOD	1	9.2e-006	9.2e-006	9.2e-006	0.15	0.699
SSIZE*NSTRATA	1	3.8e-006	3.8e-006	3.8e-006	0.06	0.805
SSIZE*OBSERVED	2	0.014808	0.014808	0.0074038	119.64	0
SSIZE*SITAVIO1	2	0.000557	0.000557	0.0002785	4.5	0.011
SSIZE*SITAVIO2	1	0.028901	0.028901	0.028901	467.02	0
KNRATIO*METHOD	2	1.5e-006	1.5e-006	7e-007	0.01	0.988
KNRATIO*NSTRATA	2	2.76e-005	2.76e-005	1.38e-005	0.22	0.8
KNRATIO*OBSERVED	4	0.0007538	0.0007538	0.0001885	3.05	0.016
KNRATIO*SITAVIO1	4	0.00011	0.00011	2.75e-005	0.44	0.776
KNRATIO*SITAVIO2	2	0.0099414	0.0099414	0.0049707	80.32	0
METHOD*NSTRATA	1	8e-006	8e-006	8e-006	0.13	0.719
METHOD*OBSERVED	2	0.000842	0.000842	0.000421	6.8	0.001
METHOD*SITAVIO1	2	5.17e-005	5.17e-005	2.58e-005	0.42	0.659
METHOD*SITAVIO2	1	0.0003675	0.0003675	0.0003675	5.94	0.015
NSTRATA*OBSERVED	2	0.013668	0.013668	0.0068341	110.43	0
NSTRATA*SITAVIO1	2	0.0010969	0.0010969	0.0005485	8.86	0
NSTRATA*SITAVIO2	1	0.0078378	0.0078378	0.0078378	126.65	0
OBSERVED*SITAVIO1	4	0.015845	0.015845	0.0039613	64.01	0
OBSERVED*SITAVIO2	2	0.081579	0.081579	0.04079	659.13	0
SITAVIO1*SITAVIO2	2	0.0080073	0.0080073	0.0040037	64.7	0
Error	3326	0.20583	0.20583	6.19e-005		
Total	3455	0.93026				

Table XXVIII: Case 6: Means and standard errors (SE) of the 1st and 2nd order effects on MeanBias, Clevel and StDiff across the other factors.

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR						
1	0.08354	0.000833	0.21608	0.007748	-0.00868	0.000378
2	0.29838	0.000833	0.23503	0.007748	-0.01002	0.000378
3	0.08427	0.000833	0.26958	0.007748	-0.01425	0.000378
4	0.08353	0.000833	0.20855	0.007748	-0.00703	0.000378
5	0.29875	0.000833	0.232	0.007748	-0.01412	0.000378
6	0.29883	0.000833	0.21692	0.007748	-0.01094	0.000378
7	0.08376	0.000833	0.22954	0.007748	-0.01114	0.000378
8	0.29887	0.000833	0.23197	0.007748	-0.00904	0.000378
SSIZE						
1000	0.1911	0.000417	0.29494	0.003874	-0.01462	0.000189
5000	0.19138	0.000417	0.16498	0.003874	-0.00668	0.000189
KNRATIO						
1/2	0.19116	0.00051	0.28201	0.004745	-0.01224	0.000232
2/2	0.19124	0.00051	0.2198	0.004745	-0.01038	0.000232
3/2	0.19134	0.00051	0.18807	0.004745	-0.00934	0.000232
METHOD						
PROP	0.19151	0.000417	0.22892	0.003874	-0.01031	0.000189
DA	0.19097	0.000417	0.231	0.003874	-0.011	0.000189
NSTRATA						
5	0.192	0.000417	0.21125	0.003874	-0.00897	0.000189
7	0.19049	0.000417	0.24867	0.003874	-0.01233	0.000189
OBSERVED						
A	0.19185	0.00051	0.22259	0.004745	-0.0048	0.000232
X2	0.19107	0.00051	0.22054	0.004745	-0.00823	0.000232
X1X2	0.19081	0.00051	0.24674	0.004745	-0.01894	0.000232
SITAVIO1						
- RHO14	0.24048	0.00051	0.0993	0.004745	-0.01162	0.000232
0	0.19152	0.00051	0.33098	0.004745	-0.00846	0.000232
RHO14	0.14173	0.00051	0.2596	0.004745	-0.01188	0.000232
SITAVIO2						
N	0.02944	0.000417	0.45046	0.003874	-0.0025	0.000189
Y	0.35305	0.000417	0.00946	0.003874	-0.01881	0.000189
COVSTR*SSIZE						
1 1000	0.08335	0.001178	0.27922	0.010958	-0.01139	0.000535
1 5000	0.08373	0.001178	0.15294	0.010958	-0.00597	0.000535
2 1000	0.2982	0.001178	0.30234	0.010958	-0.01338	0.000535
2 5000	0.29857	0.001178	0.16771	0.010958	-0.00666	0.000535
3 1000	0.08405	0.001178	0.32386	0.010958	-0.01807	0.000535
3 5000	0.0845	0.001178	0.2153	0.010958	-0.01044	0.000535
4 1000	0.08355	0.001178	0.26655	0.010958	-0.01025	0.000535
4 5000	0.08352	0.001178	0.15056	0.010958	-0.0038	0.000535
5 1000	0.29834	0.001178	0.30114	0.010958	-0.01802	0.000535
5 5000	0.29916	0.001178	0.16286	0.010958	-0.01022	0.000535
6 1000	0.29876	0.001178	0.28573	0.010958	-0.01588	0.000535
6 5000	0.29891	0.001178	0.14811	0.010958	-0.00601	0.000535
7 1000	0.08372	0.001178	0.29666	0.010958	-0.01713	0.000535
7 5000	0.08381	0.001178	0.16243	0.010958	-0.00516	0.000535
8 1000	0.29888	0.001178	0.30397	0.010958	-0.01289	0.000535
8 5000	0.29885	0.001178	0.15996	0.010958	-0.0052	0.000535

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*KNRATIO						
1 1/2	0.08312	0.001443	0.26891	0.013421	-0.01066	0.000656
1 2/2	0.08379	0.001443	0.20386	0.013421	-0.00826	0.000656
1 3/2	0.08371	0.001443	0.17546	0.013421	-0.00712	0.000656
2 1/2	0.29817	0.001443	0.2839	0.013421	-0.01092	0.000656
2 2/2	0.29842	0.001443	0.22725	0.013421	-0.0096	0.000656
2 3/2	0.29856	0.001443	0.19392	0.013421	-0.00955	0.000656
3 1/2	0.08434	0.001443	0.3206	0.013421	-0.0165	0.000656
3 2/2	0.08421	0.001443	0.25993	0.013421	-0.01402	0.000656
3 3/2	0.08428	0.001443	0.22821	0.013421	-0.01225	0.000656
4 1/2	0.08395	0.001443	0.26081	0.013421	-0.00939	0.000656
4 2/2	0.08289	0.001443	0.19934	0.013421	-0.00667	0.000656
4 3/2	0.08376	0.001443	0.16551	0.013421	-0.00502	0.000656
5 1/2	0.29849	0.001443	0.28427	0.013421	-0.01494	0.000656
5 2/2	0.29896	0.001443	0.22063	0.013421	-0.01419	0.000656
5 3/2	0.2988	0.001443	0.1911	0.013421	-0.01323	0.000656
6 1/2	0.29853	0.001443	0.26905	0.013421	-0.01199	0.000656
6 2/2	0.29879	0.001443	0.20701	0.013421	-0.01126	0.000656
6 3/2	0.29917	0.001443	0.1747	0.013421	-0.00958	0.000656
7 1/2	0.08356	0.001443	0.28483	0.013421	-0.01385	0.000656
7 2/2	0.0841	0.001443	0.21669	0.013421	-0.01024	0.000656
7 3/2	0.08364	0.001443	0.18711	0.013421	-0.00934	0.000656
8 1/2	0.29909	0.001443	0.28368	0.013421	-0.00966	0.000656
8 2/2	0.29874	0.001443	0.22368	0.013421	-0.00883	0.000656
8 3/2	0.29878	0.001443	0.18853	0.013421	-0.00864	0.000656
COVSTR*METHOD						
1 PROP	0.08371	0.001178	0.21494	0.010958	-0.00843	0.000535
1 DA	0.08337	0.001178	0.21721	0.010958	-0.00893	0.000535
2 PROP	0.2988	0.001178	0.234	0.010958	-0.00988	0.000535
2 DA	0.29796	0.001178	0.23606	0.010958	-0.01017	0.000535
3 PROP	0.08439	0.001178	0.26865	0.010958	-0.01359	0.000535
3 DA	0.08415	0.001178	0.2705	0.010958	-0.01492	0.000535
4 PROP	0.08372	0.001178	0.20757	0.010958	-0.00691	0.000535
4 DA	0.08334	0.001178	0.20953	0.010958	-0.00714	0.000535
5 PROP	0.2991	0.001178	0.23093	0.010958	-0.01362	0.000535
5 DA	0.2984	0.001178	0.23307	0.010958	-0.01463	0.000535
6 PROP	0.29922	0.001178	0.21586	0.010958	-0.01065	0.000535
6 DA	0.29845	0.001178	0.21798	0.010958	-0.01124	0.000535
7 PROP	0.08392	0.001178	0.22843	0.010958	-0.01045	0.000535
7 DA	0.08361	0.001178	0.23066	0.010958	-0.01184	0.000535
8 PROP	0.29922	0.001178	0.23097	0.010958	-0.00892	0.000535
8 DA	0.29851	0.001178	0.23296	0.010958	-0.00916	0.000535
COVSTR*NSTRATA						
1 5	0.08396	0.001178	0.21211	0.010958	-0.00732	0.000535
1 7	0.08312	0.001178	0.22004	0.010958	-0.01004	0.000535
2 5	0.30002	0.001178	0.199	0.010958	-0.00896	0.000535
2 7	0.29675	0.001178	0.27105	0.010958	-0.01108	0.000535
3 5	0.08409	0.001178	0.26452	0.010958	-0.01088	0.000535
3 7	0.08446	0.001178	0.27464	0.010958	-0.01763	0.000535
4 5	0.08363	0.001178	0.20472	0.010958	-0.00637	0.000535
4 7	0.08343	0.001178	0.21238	0.010958	-0.00768	0.000535
5 5	0.30013	0.001178	0.19597	0.010958	-0.01156	0.000535
5 7	0.29737	0.001178	0.26803	0.010958	-0.01669	0.000535
6 5	0.30019	0.001178	0.19337	0.010958	-0.0095	0.000535
6 7	0.29748	0.001178	0.24047	0.010958	-0.01239	0.000535
7 5	0.08382	0.001178	0.22554	0.010958	-0.00909	0.000535
7 7	0.08371	0.001178	0.23355	0.010958	-0.01319	0.000535
8 5	0.30015	0.001178	0.19475	0.010958	-0.00812	0.000535
8 7	0.29759	0.001178	0.26918	0.010958	-0.00997	0.000535

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*OBSERVED						
1 A	0.08393	0.001443	0.20417	0.013421	-0.00576	0.000656
1 X2	0.08339	0.001443	0.20872	0.013421	-0.00622	0.000656
1 X1X2	0.0833	0.001443	0.23533	0.013421	-0.01405	0.000656
2 A	0.29975	0.001443	0.24024	0.013421	-0.00389	0.000656
2 X2	0.29875	0.001443	0.23211	0.013421	-0.01028	0.000656
2 X1X2	0.29665	0.001443	0.23273	0.013421	-0.0159	0.000656
3 A	0.08413	0.001443	0.20623	0.013421	-0.00567	0.000656
3 X2	0.08354	0.001443	0.20993	0.013421	-0.00613	0.000656
3 X1X2	0.08514	0.001443	0.39258	0.013421	-0.03096	0.000656
4 A	0.08394	0.001443	0.20419	0.013421	-0.00589	0.000656
4 X2	0.08343	0.001443	0.20806	0.013421	-0.00639	0.000656
4 X1X2	0.08322	0.001443	0.21342	0.013421	-0.0088	0.000656
5 A	0.2995	0.001443	0.2404	0.013421	-0.00381	0.000656
5 X2	0.29842	0.001443	0.23325	0.013421	-0.01009	0.000656
5 X1X2	0.29833	0.001443	0.22235	0.013421	-0.02846	0.000656
6 A	0.2998	0.001443	0.23991	0.013421	-0.00376	0.000656
6 X2	0.29893	0.001443	0.23249	0.013421	-0.01009	0.000656
6 X1X2	0.29776	0.001443	0.17837	0.013421	-0.01898	0.000656
7 A	0.08402	0.001443	0.20466	0.013421	-0.0058	0.000656
7 X2	0.08346	0.001443	0.20894	0.013421	-0.00633	0.000656
7 X1X2	0.08381	0.001443	0.27503	0.013421	-0.0213	0.000656
8 A	0.2997	0.001443	0.24094	0.013421	-0.00384	0.000656
8 X2	0.29868	0.001443	0.23081	0.013421	-0.01026	0.000656
8 X1X2	0.29823	0.001443	0.22415	0.013421	-0.01303	0.000656
COVSTR*SITAVIO1						
1 - RHO14	0.16861	0.001443	0.07388	0.013421	-0.00938	0.000656
1 0	0.0843	0.001443	0.46113	0.013421	-0.00623	0.000656
1 RHO14	- 0.0023	0.001443	0.11322	0.013421	-0.01042	0.000656
2 - RHO14	0.31984	0.001443	0.08627	0.013421	-0.01039	0.000656
2 0	0.29874	0.001443	0.20374	0.013421	-0.00853	0.000656
2 RHO14	0.27658	0.001443	0.41507	0.013421	-0.01115	0.000656
3 - RHO14	0.15065	0.001443	0.14192	0.013421	-0.01643	0.000656
3 0	0.08431	0.001443	0.46003	0.013421	-0.00817	0.000656
3 RHO14	0.01786	0.001443	0.20678	0.013421	-0.01816	0.000656
4 - RHO14	0.17289	0.001443	0.06448	0.013421	-0.00717	0.000656
4 0	0.08424	0.001443	0.45844	0.013421	-0.00676	0.000656
4 RHO14	- 0.00653	0.001443	0.10274	0.013421	-0.00714	0.000656
5 - RHO14	0.30171	0.001443	0.17615	0.013421	-0.01843	0.000656
5 0	0.29864	0.001443	0.20331	0.013421	-0.00971	0.000656
5 RHO14	0.29589	0.001443	0.31655	0.013421	-0.01423	0.000656
6 - RHO14	0.33003	0.001443	0.06788	0.013421	-0.00955	0.000656
6 0	0.29888	0.001443	0.20118	0.013421	-0.00976	0.000656
6 RHO14	0.26759	0.001443	0.3817	0.013421	-0.01353	0.000656
7 - RHO14	0.16168	0.001443	0.09256	0.013421	-0.01201	0.000656
7 0	0.08443	0.001443	0.45777	0.013421	-0.0098	0.000656
7 RHO14	0.00518	0.001443	0.13831	0.013421	-0.01162	0.000656
8 - RHO14	0.31846	0.001443	0.09126	0.013421	-0.0096	0.000656
8 0	0.2986	0.001443	0.20221	0.013421	-0.00875	0.000656
8 RHO14	0.27954	0.001443	0.40243	0.013421	-0.00877	0.000656
COVSTR*SITAVIO2						
1 N	0.01407	0.001178	0.40987	0.010958	-0.00038	0.000535
1 Y	0.153	0.001178	0.02228	0.010958	-0.01698	0.000535
2 N	0.04515	0.001178	0.47001	0.010958	-0.00424	0.000535
2 Y	0.55162	0.001178	4e-005	0.010958	-0.0158	0.000535
3 N	0.01369	0.001178	0.52407	0.010958	-0.00073	0.000535
3 Y	0.15486	0.001178	0.01508	0.010958	-0.02778	0.000535
4 N	0.01408	0.001178	0.39574	0.010958	-0.0008	0.000535
4 Y	0.15298	0.001178	0.02137	0.010958	-0.01325	0.000535
5 N	0.04445	0.001178	0.46355	0.010958	-0.00419	0.000535
5 Y	0.55305	0.001178	0.00045	0.010958	-0.02406	0.000535
6 N	0.04532	0.001178	0.43358	0.010958	-0.00443	0.000535
6 Y	0.55234	0.001178	0.00026	0.010958	-0.01746	0.000535
7 N	0.01396	0.001178	0.44294	0.010958	-0.00106	0.000535
7 Y	0.15357	0.001178	0.01614	0.010958	-0.02122	0.000535
8 N	0.04476	0.001178	0.46392	0.010958	-0.00416	0.000535
8 Y	0.55298	0.001178	1e-005	0.010958	-0.01393	0.000535

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
SSIZE*KNRATIO						
1000 1/2	0.19096	0.000722	0.36989	0.00671	-0.0167	0.000328
1000 2/2	0.19104	0.000722	0.28102	0.00671	-0.01426	0.000328
1000 3/2	0.19131	0.000722	0.23389	0.00671	-0.01292	0.000328
5000 1/2	0.19135	0.000722	0.19412	0.00671	-0.00778	0.000328
5000 2/2	0.19143	0.000722	0.15858	0.00671	-0.00651	0.000328
5000 3/2	0.19136	0.000722	0.14225	0.00671	-0.00576	0.000328
SSIZE*METHOD						
1000 PROP	0.19138	0.000589	0.29272	0.005479	-0.01422	0.000268
1000 DA	0.19083	0.000589	0.29715	0.005479	-0.01503	0.000268
5000 PROP	0.19164	0.000589	0.16512	0.005479	-0.00639	0.000268
5000 DA	0.19112	0.000589	0.16484	0.005479	-0.00698	0.000268
SSIZE*NSTRATA						
1000 5	0.19196	0.000589	0.27681	0.005479	-0.01291	0.000268
1000 7	0.19025	0.000589	0.31306	0.005479	-0.01634	0.000268
5000 5	0.19204	0.000589	0.14569	0.005479	-0.00504	0.000268
5000 7	0.19073	0.000589	0.18427	0.005479	-0.00833	0.000268
SSIZE*OBSERVED						
1000 A	0.19186	0.000722	0.2831	0.00671	-0.0067	0.000328
1000 X2	0.19114	0.000722	0.28257	0.00671	-0.01145	0.000328
1000 X1X2	0.19031	0.000722	0.31914	0.00671	-0.02573	0.000328
5000 A	0.19183	0.000722	0.16209	0.00671	-0.00291	0.000328
5000 X2	0.19101	0.000722	0.15851	0.00671	-0.005	0.000328
5000 X1X2	0.19131	0.000722	0.17435	0.00671	-0.01214	0.000328
SSIZE*SITAVIO1						
1000 - RHO14	0.24012	0.000722	0.16901	0.00671	-0.01604	0.000328
1000 0	0.19145	0.000722	0.39205	0.00671	-0.01251	0.000328
1000 RHO14	0.14175	0.000722	0.32375	0.00671	-0.01532	0.000328
5000 - RHO14	0.24085	0.000722	0.02958	0.00671	-0.0072	0.000328
5000 0	0.19159	0.000722	0.26991	0.00671	-0.00441	0.000328
5000 RHO14	0.1417	0.000722	0.19545	0.00671	-0.00843	0.000328
SSIZE*SITAVIO2						
1000 N	0.02958	0.000589	0.57128	0.005479	-0.00358	0.000268
1000 Y	0.35263	0.000589	0.01859	0.005479	-0.02567	0.000268
5000 N	0.0293	0.000589	0.32964	0.005479	-0.00142	0.000268
5000 Y	0.35347	0.000589	0.00032	0.005479	-0.01195	0.000268
KNRATIO*METHOD						
1/2 PROP	0.19144	0.000722	0.28031	0.00671	-0.0119	0.000328
1/2 DA	0.19087	0.000722	0.2837	0.00671	-0.01257	0.000328
2/2 PROP	0.19151	0.000722	0.21873	0.00671	-0.01005	0.000328
2/2 DA	0.19097	0.000722	0.22086	0.00671	-0.01072	0.000328
3/2 PROP	0.19159	0.000722	0.18771	0.00671	-0.00896	0.000328
3/2 DA	0.19109	0.000722	0.18843	0.00671	-0.00972	0.000328
KNRATIO*NSTRATA						
1/2 5	0.19208	0.000722	0.26457	0.00671	-0.01055	0.000328
1/2 7	0.19023	0.000722	0.29944	0.00671	-0.01393	0.000328
2/2 5	0.1919	0.000722	0.20029	0.00671	-0.0086	0.000328
2/2 7	0.19057	0.000722	0.23931	0.00671	-0.01217	0.000328
3/2 5	0.19202	0.000722	0.16889	0.00671	-0.00778	0.000328
3/2 7	0.19066	0.000722	0.20725	0.00671	-0.01091	0.000328
KNRATIO*OBSERVED						
1/2 A	0.19183	0.000884	0.27164	0.008218	-0.00639	0.000401
1/2 X2	0.19102	0.000884	0.27195	0.008218	-0.00913	0.000401
1/2 X1X2	0.19061	0.000884	0.30242	0.008218	-0.02119	0.000401
2/2 A	0.19181	0.000884	0.21257	0.008218	-0.00446	0.000401
2/2 X2	0.19107	0.000884	0.21033	0.008218	-0.00795	0.000401
2/2 X1X2	0.19082	0.000884	0.23649	0.008218	-0.01874	0.000401
3/2 A	0.19189	0.000884	0.18356	0.008218	-0.00356	0.000401
3/2 X2	0.19113	0.000884	0.17933	0.008218	-0.0076	0.000401
3/2 X1X2	0.19098	0.000884	0.20132	0.008218	-0.01687	0.000401

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
KNRATIO*SITAVIO1						
1/2 - RHO14	0.23997	0.000884	0.1555	0.008218	-0.01353	0.000401
1/2 0	0.19154	0.000884	0.37227	0.008218	-0.00984	0.000401
1/2 RHO14	0.14195	0.000884	0.31825	0.008218	-0.01335	0.000401
2/2 - RHO14	0.24056	0.000884	0.08704	0.008218	-0.0112	0.000401
2/2 0	0.19146	0.000884	0.32373	0.008218	-0.00819	0.000401
2/2 RHO14	0.14169	0.000884	0.24863	0.008218	-0.01176	0.000401
3/2 - RHO14	0.24092	0.000884	0.05536	0.008218	-0.01013	0.000401
3/2 0	0.19155	0.000884	0.29692	0.008218	-0.00737	0.000401
3/2 RHO14	0.14154	0.000884	0.21192	0.008218	-0.01053	0.000401
KNRATIO*SITAVIO2						
1/2 N	0.0294	0.000722	0.54434	0.00671	-0.00187	0.000328
1/2 Y	0.35291	0.000722	0.01967	0.00671	-0.0226	0.000328
2/2 N	0.02944	0.000722	0.43333	0.00671	-0.00253	0.000328
2/2 Y	0.35303	0.000722	0.00627	0.00671	-0.01824	0.000328
3/2 N	0.02947	0.000722	0.37371	0.00671	-0.0031	0.000328
3/2 Y	0.35321	0.000722	0.00243	0.00671	-0.01559	0.000328
METHOD*NSTRATA						
PROP 5	0.19225	0.000589	0.21058	0.005479	-0.00867	0.000268
PROP 7	0.19077	0.000589	0.24726	0.005479	-0.01194	0.000268
DA 5	0.19175	0.000589	0.21192	0.005479	-0.00927	0.000268
DA 7	0.1902	0.000589	0.25007	0.005479	-0.01273	0.000268
METHOD*OBSERVED						
PROP A	0.19266	0.000722	0.21958	0.00671	-0.0048	0.000328
PROP X2	0.19107	0.000722	0.22054	0.00671	-0.00823	0.000328
PROP X1X2	0.1908	0.000722	0.24664	0.00671	-0.01789	0.000328
DA A	0.19104	0.000722	0.22561	0.00671	-0.0048	0.000328
DA X2	0.19107	0.000722	0.22054	0.00671	-0.00823	0.000328
DA X1X2	0.19081	0.000722	0.24684	0.00671	-0.01998	0.000328
METHOD*SITAVIO1						
PROP - RHO14	0.23751	0.000722	0.09592	0.00671	-0.01122	0.000328
PROP 0	0.19152	0.000722	0.33099	0.00671	-0.00828	0.000328
PROP RHO14	0.1455	0.000722	0.25985	0.00671	-0.01141	0.000328
DA - RHO14	0.24346	0.000722	0.10267	0.00671	-0.01202	0.000328
DA 0	0.19152	0.000722	0.33096	0.00671	-0.00864	0.000328
DA RHO14	0.13795	0.000722	0.25935	0.00671	-0.01234	0.000328
METHOD*SITAVIO2						
PROP N	0.02925	0.000589	0.44961	0.005479	-0.00248	0.000268
PROP Y	0.35378	0.000589	0.00823	0.005479	-0.01813	0.000268
DA N	0.02963	0.000589	0.45131	0.005479	-0.00252	0.000268
DA Y	0.35232	0.000589	0.01069	0.005479	-0.01948	0.000268
NSTRATA*OBSERVED						
5 A	0.1925	0.000722	0.20384	0.00671	-0.0046	0.000328
5 X2	0.19181	0.000722	0.20237	0.00671	-0.00788	0.000328
5 X1X2	0.19169	0.000722	0.22754	0.00671	-0.01444	0.000328
7 A	0.19119	0.000722	0.24134	0.00671	-0.005	0.000328
7 X2	0.19034	0.000722	0.23871	0.00671	-0.00858	0.000328
7 X1X2	0.18993	0.000722	0.26595	0.00671	-0.02343	0.000328
NSTRATA*SITAVIO1						
5 - RHO14	0.24221	0.000722	0.08044	0.00671	-0.00967	0.000328
5 0	0.19245	0.000722	0.30019	0.00671	-0.00757	0.000328
5 RHO14	0.14134	0.000722	0.25312	0.00671	-0.00968	0.000328
7 - RHO14	0.23876	0.000722	0.11816	0.00671	-0.01357	0.000328
7 0	0.19059	0.000722	0.36177	0.00671	-0.00936	0.000328
7 RHO14	0.14211	0.000722	0.26608	0.00671	-0.01407	0.000328
NSTRATA*SITAVIO2						
5 N	0.03515	0.000589	0.41244	0.005479	-0.00232	0.000268
5 Y	0.34885	0.000589	0.01006	0.005479	-0.01562	0.000268
7 N	0.02373	0.000589	0.48848	0.005479	-0.00267	0.000268
7 Y	0.35725	0.000589	0.00885	0.005479	-0.022	0.000268

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
OBSERVED*SITAVIO1						
A - RHO14	0.24179	0.000884	0.06223	0.008218	-0.00504	0.000401
A 0	0.19158	0.000884	0.33227	0.008218	-0.00475	0.000401
A RHO14	0.14217	0.000884	0.27328	0.008218	-0.00462	0.000401
X2 - RHO14	0.25114	0.000884	0.07659	0.008218	-0.00804	0.000401
X2 0	0.19165	0.000884	0.33133	0.008218	-0.00816	0.000401
X2 RHO14	0.13043	0.000884	0.25369	0.008218	-0.00848	0.000401
X1X2 - RHO14	0.22852	0.000884	0.15907	0.008218	-0.02178	0.000401
X1X2 0	0.19132	0.000884	0.32933	0.008218	-0.01248	0.000401
X1X2 RHO14	0.15258	0.000884	0.25183	0.008218	-0.02254	0.000401
OBSERVED*SITAVIO2						
A N	0.0291	0.000722	0.43759	0.00671	-0.00019	0.000328
A Y	0.3546	0.000722	0.0076	0.00671	-0.00942	0.000328
X2 N	0.02973	0.000722	0.42904	0.00671	-0.0034	0.000328
X2 Y	0.35242	0.000722	0.01203	0.00671	-0.01305	0.000328
X1X2 N	0.02948	0.000722	0.48475	0.00671	-0.00391	0.000328
X1X2 Y	0.35213	0.000722	0.00874	0.00671	-0.03396	0.000328
SITAVIO1*SITAVIO2						
-RHO14 N	0.10133	0.000722	0.19747	0.00671	-0.0027	0.000328
-RHO14 Y	0.37964	0.000722	0.00113	0.00671	-0.02054	0.000328
0 N	0.02852	0.000722	0.65946	0.00671	-0.00243	0.000328
0 Y	0.35451	0.000722	0.00249	0.00671	-0.01449	0.000328
RHO14 N	- 0.04154	0.000722	0.49445	0.00671	-0.00236	0.000328
RHO14 Y	0.325	0.000722	0.02475	0.00671	-0.02139	0.000328

Table XXIX: Case 7: Analysis of Variance for MeanBias, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	110.0035	110.0035	15.7148	11000	0
SSIZE	1	0	0	0	0.02	0.889
KNRATIO	2	0	0	0	0	0.996
METHOD	1	0.0002	0.0002	0.0002	0.13	0.715
NSTRATA	1	0.0078	0.0078	0.0078	5.57	0.018
OBSERVED	3	1.0825	1.0825	0.3608	258.15	0
SITAVIO1	2	6.6733	6.6733	3.3366	2387.23	0
SITAVIO2	1	86.8276	86.8276	86.8276	62000	0
COVSTR*SSIZE	7	0.0001	0.0001	0	0.01	1
COVSTR*KNRATIO	14	0.0002	0.0002	0	0.01	1
COVSTR*METHOD	7	0	0	0	0	1
COVSTR*NSTRATA	7	0.0064	0.0064	0.0009	0.65	0.715
COVSTR*OBSERVED	21	52.8658	52.8658	2.5174	1801.11	0
COVSTR*SITAVIO1	14	2.5494	2.5494	0.1821	130.28	0
COVSTR*SITAVIO2	7	39.2281	39.2281	5.604	4009.44	0
SSIZE*KNRATIO	2	0	0	0	0.01	0.994
SSIZE*METHOD	1	0	0	0	0	0.993
SSIZE*NSTRATA	1	0	0	0	0.02	0.896
SSIZE*OBSERVED	3	0.0003	0.0003	0.0001	0.07	0.978
SSIZE*SITAVIO1	2	0.0001	0.0001	0	0.02	0.977
SSIZE*SITAVIO2	1	0.0002	0.0002	0.0002	0.13	0.721
KNRATIO*METHOD	2	0	0	0	0	1
KNRATIO*NSTRATA	2	0	0	0	0.01	0.99
KNRATIO*OBSERVED	6	0	0	0	0	1
KNRATIO*SITAVIO1	4	0.0001	0.0001	0	0.02	0.999
KNRATIO*SITAVIO2	2	0	0	0	0	0.999
METHOD*NSTRATA	1	0	0	0	0	0.979
METHOD*OBSERVED	3	0.0006	0.0006	0.0002	0.14	0.939
METHOD*SITAVIO1	2	0.0197	0.0197	0.0099	7.06	0.001
METHOD*SITAVIO2	1	0.0005	0.0005	0.0005	0.39	0.532
NSTRATA*OBSERVED	3	0.0041	0.0041	0.0014	0.98	0.4
NSTRATA*SITAVIO1	2	0.0024	0.0024	0.0012	0.85	0.429
NSTRATA*SITAVIO2	1	0.0592	0.0592	0.0592	42.36	0
OBSERVED*SITAVIO1	6	0.2637	0.2637	0.044	31.45	0
OBSERVED*SITAVIO2	3	8.3244	8.3244	2.7748	1985.26	0
SITAVIO1*SITAVIO2	2	1.2206	1.2206	0.6103	436.65	0
Error	4462	6.2366	6.2366	0.0014		
Total	4607	315.3775				

Table XXX: Case 7: Analysis of Variance for Clevel, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	7.5853	7.5853	1.0836	34.98	0
SSIZE	1	16.588	16.588	16.588	535.53	0
KNRATIO	2	5.8225	5.8225	2.9112	93.99	0
METHOD	1	0.0028	0.0028	0.0028	0.09	0.764
NSTRATA	1	1.0322	1.0322	1.0322	33.32	0
OBSERVED	3	13.7771	13.7771	4.5924	148.26	0
SITAVIO1	2	32.1931	32.1931	16.0966	519.66	0
SITAVIO2	1	135.2817	135.2817	135.2817	4367.44	0
COVSTR*SSIZE	7	0.7341	0.7341	0.1049	3.39	0.001
COVSTR*KNRATIO	14	0.3457	0.3457	0.0247	0.8	0.673
COVSTR*METHOD	7	0	0	0	0	1
COVSTR*NSTRATA	7	0.51	0.51	0.0729	2.35	0.021
COVSTR*OBSERVED	21	22.332	22.332	1.0634	34.33	0
COVSTR*SITAVIO1	14	24.1968	24.1968	1.7283	55.8	0
COVSTR*SITAVIO2	7	2.9406	2.9406	0.4201	13.56	0
SSIZE*KNRATIO	2	1.0377	1.0377	0.5188	16.75	0
SSIZE*METHOD	1	0.0036	0.0036	0.0036	0.12	0.734
SSIZE*NSTRATA	1	0.0005	0.0005	0.0005	0.02	0.895
SSIZE*OBSERVED	3	0.439	0.439	0.1463	4.72	0.003
SSIZE*SITAVIO1	2	0.002	0.002	0.001	0.03	0.969
SSIZE*SITAVIO2	1	8.4972	8.4972	8.4972	274.33	0
KNRATIO*METHOD	2	0.0008	0.0008	0.0004	0.01	0.988
KNRATIO*NSTRATA	2	0.0026	0.0026	0.0013	0.04	0.958
KNRATIO*OBSERVED	6	0.1833	0.1833	0.0305	0.99	0.433
KNRATIO*SITAVIO1	4	0.0624	0.0624	0.0156	0.5	0.733
KNRATIO*SITAVIO2	2	2.8153	2.8153	1.4077	45.45	0
METHOD*NSTRATA	1	0.0004	0.0004	0.0004	0.01	0.915
METHOD*OBSERVED	3	0.0077	0.0077	0.0026	0.08	0.97
METHOD*SITAVIO1	2	0.0071	0.0071	0.0036	0.11	0.892
METHOD*SITAVIO2	1	0.0001	0.0001	0.0001	0	0.956
NSTRATA*OBSERVED	3	0.1942	0.1942	0.0647	2.09	0.099
NSTRATA*SITAVIO1	2	0.2822	0.2822	0.1411	4.56	0.011
NSTRATA*SITAVIO2	1	0.9276	0.9276	0.9276	29.95	0
OBSERVED*SITAVIO1	6	7.2515	7.2515	1.2086	39.02	0
OBSERVED*SITAVIO2	3	33.9626	33.9626	11.3209	365.48	0
SITAVIO1*SITAVIO2	2	25.5857	25.5857	12.7929	413	0
Error	4462	138.2109	138.2109	0.031		
Total	4607	482.8164				

Table XXXI: Case 7: Analysis of Variance for StDiff, using Adjusted SS for Tests.

Source	DF	Seq SS	Adj SS	Adj MS	F	P
COVSTR	7	0.029091	0.029091	0.0041559	80.43	0
SSIZE	1	0.054959	0.054959	0.054959	1063.6	0
KNRATIO	2	0.0031037	0.0031037	0.0015519	30.03	0
METHOD	1	0.0003157	0.0003157	0.0003157	6.11	0.013
NSTRATA	1	0.0082644	0.0082644	0.0082644	159.94	0
OBSERVED	3	0.1579	0.1579	0.052633	1018.58	0
SITAVIO1	2	0.0062215	0.0062215	0.0031108	60.2	0
SITAVIO2	1	0.18073	0.18073	0.18073	3497.63	0
COVSTR*SSIZE	7	0.005115	0.005115	0.0007307	14.14	0
COVSTR*KNRATIO	14	0.0010628	0.0010628	7.59e-005	1.47	0.114
COVSTR*METHOD	7	0.0001315	0.0001315	1.88e-005	0.36	0.924
COVSTR*NSTRATA	7	0.0018286	0.0018286	0.0002612	5.06	0
COVSTR*OBSERVED	21	0.05449	0.05449	0.0025948	50.22	0
COVSTR*SITAVIO1	14	0.0068224	0.0068224	0.0004873	9.43	0
COVSTR*SITAVIO2	7	0.020094	0.020094	0.0028705	55.55	0
SSIZE*KNRATIO	2	0.0003817	0.0003817	0.0001909	3.69	0.025
SSIZE*METHOD	1	6.9e-006	6.9e-006	6.9e-006	0.13	0.714
SSIZE*NSTRATA	1	2.84e-005	2.84e-005	2.84e-005	0.55	0.459
SSIZE*OBSERVED	3	0.018501	0.018501	0.0061671	119.35	0
SSIZE*SITAVIO1	2	0.0004302	0.0004302	0.0002151	4.16	0.016
SSIZE*SITAVIO2	1	0.02377	0.02377	0.02377	460.02	0
KNRATIO*METHOD	2	1.1e-006	1.1e-006	6e-007	0.01	0.989
KNRATIO*NSTRATA	2	3.98e-005	3.98e-005	1.99e-005	0.38	0.681
KNRATIO*OBSERVED	6	0.0027245	0.0027245	0.0004541	8.79	0
KNRATIO*SITAVIO1	4	0.0001108	0.0001108	2.77e- 005	0.54	0.709
KNRATIO*SITAVIO2	2	0.0083765	0.0083765	0.0041882	81.05	0
METHOD*NSTRATA	1	6e-006	6e-006	6e-006	0.12	0.733
METHOD*OBSERVED	3	0.0009472	0.0009472	0.0003157	6.11	0
METHOD*SITAVIO1	2	3.87e-005	3.87e-005	1.94e-005	0.37	0.687
METHOD*SITAVIO2	1	0.0002756	0.0002756	0.0002756	5.33	0.021
NSTRATA*OBSERVED	3	0.015276	0.015276	0.0050921	98.55	0
NSTRATA*SITAVIO1	2	0.0008044	0.0008044	0.0004022	7.78	0
NSTRATA*SITAVIO2	1	0.0065386	0.0065386	0.0065386	126.54	0
OBSERVED*SITAVIO1	6	0.017957	0.017957	0.0029929	57.92	0
OBSERVED*SITAVIO2	3	0.13109	0.13109	0.043698	845.67	0
SITAVIO1*SITAVIO2	2	0.0060044	0.0060044	0.0030022	58.1	0
Error	4462	0.23056	0.23056	5.17e-005		
Total	4607	0.99401				

Table XXXII: Case 7: Means and standard errors (SE) of the 1st and 2nd order effects on MeanBias, Clevel and StDiff across the other factors.

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR						
1	0.095	0.001558	0.2001	0.007333	-0.0066	0.0003
2	0.3623	0.001558	0.1763	0.007333	-0.0076	0.0003
3	0.0747	0.001558	0.2811	0.007333	-0.0125	0.0003
4	0.0793	0.001558	0.2506	0.007333	-0.0056	0.0003
5	0.3418	0.001558	0.174	0.007333	-0.0125	0.0003
6	0.4003	0.001558	0.1627	0.007333	-0.0086	0.0003
7	- 0.0368	0.001558	0.1722	0.007333	-0.0114	0.0003
8	0.2841	0.001558	0.1747	0.007333	-0.0081	0.0003
SSIZE						
1000	0.2	0.000779	0.259	0.003667	-0.0126	0.00015
5000	0.2002	0.000779	0.139	0.003667	-0.0057	0.00015
KNRATIO						
1/2	0.2001	0.000954	0.2464	0.004491	-0.0102	0.000183
2/2	0.2001	0.000954	0.1897	0.004491	-0.0089	0.000183
3/2	0.2002	0.000954	0.1608	0.004491	-0.0082	0.000183
METHOD						
PROP	0.2003	0.000779	0.1982	0.003667	-0.0089	0.00015
DA	0.1999	0.000779	0.1997	0.003667	-0.0094	0.00015
NSTRATA						
5	0.2014	0.000779	0.184	0.003667	-0.0078	0.00015
7	0.1988	0.000779	0.2139	0.003667	-0.0105	0.00015
OBSERVED						
A	0.1918	0.001101	0.2226	0.005185	-0.0048	0.000212
X1	0.2266	0.001101	0.1059	0.005185	-0.0045	0.000212
X2	0.1911	0.001101	0.2205	0.005185	-0.0082	0.000212
X1X2	0.1908	0.001101	0.2467	0.005185	-0.0189	0.000212
SITAVIO1						
- RHO14	0.2465	0.000954	0.0819	0.004491	-0.0098	0.000183
0	0.2004	0.000954	0.2717	0.004491	-0.0075	0.000183
RHO14	0.1533	0.000954	0.2433	0.004491	-0.0101	0.000183
SITAVIO2						
N	0.0628	0.000779	0.3703	0.003667	-0.0029	0.00015
Y	0.3374	0.000779	0.0276	0.003667	-0.0154	0.00015
COVSTR*SSIZE						
1 1000	0.0949	0.002203	0.2586	0.010371	-0.0087	0.000424
1 5000	0.0952	0.002203	0.1416	0.010371	-0.0046	0.000424
2 1000	0.3622	0.002203	0.2268	0.010371	-0.0101	0.000424
2 5000	0.3624	0.002203	0.1258	0.010371	-0.005	0.000424
3 1000	0.0745	0.002203	0.3588	0.010371	-0.0161	0.000424
3 5000	0.0749	0.002203	0.2034	0.010371	-0.0089	0.000424
4 1000	0.0793	0.002203	0.3353	0.010371	-0.0083	0.000424
4 5000	0.0792	0.002203	0.1659	0.010371	-0.0029	0.000424
5 1000	0.3415	0.002203	0.2259	0.010371	-0.0162	0.000424
5 5000	0.342	0.002203	0.1221	0.010371	-0.0089	0.000424
6 1000	0.4003	0.002203	0.2143	0.010371	-0.0125	0.000424
6 5000	0.4004	0.002203	0.1111	0.010371	-0.0047	0.000424
7 1000	- 0.0367	0.002203	0.2225	0.010371	-0.0172	0.000424
7 5000	- 0.0368	0.002203	0.1218	0.010371	-0.0057	0.000424
8 1000	0.2842	0.002203	0.2295	0.010371	-0.0116	0.000424
8 5000	0.284	0.002203	0.12	0.010371	-0.0046	0.000424

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*KNRATIO						
1 1/2	0.0947	0.002698	0.2515	0.012702	-0.0081	0.000519
1 2/2	0.0952	0.002698	0.1882	0.012702	-0.0063	0.000519
1 3/2	0.0952	0.002698	0.1606	0.012702	-0.0055	0.000519
2 1/2	0.3621	0.002698	0.2129	0.012702	-0.0082	0.000519
2 2/2	0.3623	0.002698	0.1704	0.012702	-0.0073	0.000519
2 3/2	0.3625	0.002698	0.1454	0.012702	-0.0072	0.000519
3 1/2	0.0748	0.002698	0.3445	0.012702	-0.0138	0.000519
3 2/2	0.0747	0.002698	0.2686	0.012702	-0.0124	0.000519
3 3/2	0.0748	0.002698	0.2302	0.012702	-0.0113	0.000519
4 1/2	0.0796	0.002698	0.3186	0.012702	-0.0076	0.000519
4 2/2	0.0786	0.002698	0.239	0.012702	-0.0053	0.000519
4 3/2	0.0795	0.002698	0.1941	0.012702	-0.0039	0.000519
5 1/2	0.3416	0.002698	0.2132	0.012702	-0.0128	0.000519
5 2/2	0.3419	0.002698	0.1655	0.012702	-0.0126	0.000519
5 3/2	0.3418	0.002698	0.1433	0.012702	-0.0121	0.000519
6 1/2	0.4	0.002698	0.2018	0.012702	-0.0094	0.000519
6 2/2	0.4003	0.002698	0.1553	0.012702	-0.0088	0.000519
6 3/2	0.4006	0.002698	0.131	0.012702	-0.0076	0.000519
7 1/2	- 0.0368	0.002698	0.2136	0.012702	-0.0133	0.000519
7 2/2	- 0.0366	0.002698	0.1625	0.012702	-0.0106	0.000519
7 3/2	- 0.037	0.002698	0.1403	0.012702	-0.0103	0.000519
8 1/2	0.2843	0.002698	0.2148	0.012702	-0.0085	0.000519
8 2/2	0.2839	0.002698	0.168	0.012702	-0.0079	0.000519
8 3/2	0.284	0.002698	0.1414	0.012702	-0.0079	0.000519
COVSTR*METHOD						
1 PROP	0.0951	0.002203	0.1993	0.010371	-0.0064	0.000424
1 DA	0.0949	0.002203	0.2009	0.010371	-0.0068	0.000424
2 PROP	0.3626	0.002203	0.1755	0.010371	-0.0075	0.000424
2 DA	0.362	0.002203	0.177	0.010371	-0.0077	0.000424
3 PROP	0.0748	0.002203	0.2804	0.010371	-0.012	0.000424
3 DA	0.0746	0.002203	0.2818	0.010371	-0.013	0.000424
4 PROP	0.0794	0.002203	0.2498	0.010371	-0.0055	0.000424
4 DA	0.0791	0.002203	0.2513	0.010371	-0.0057	0.000424
5 PROP	0.342	0.002203	0.1732	0.010371	-0.0121	0.000424
5 DA	0.3415	0.002203	0.1748	0.010371	-0.0129	0.000424
6 PROP	0.4006	0.002203	0.1619	0.010371	-0.0084	0.000424
6 DA	0.4	0.002203	0.1635	0.010371	-0.0088	0.000424
7 PROP	- 0.0366	0.002203	0.1713	0.010371	-0.0109	0.000424
7 DA	- 0.0369	0.002203	0.173	0.010371	-0.0119	0.000424
8 PROP	0.2843	0.002203	0.174	0.010371	-0.008	0.000424
8 DA	0.2838	0.002203	0.1755	0.010371	-0.0082	0.000424
COVSTR*NSTRATA						
1 5	0.0955	0.002203	0.1968	0.010371	-0.0056	0.000424
1 7	0.0945	0.002203	0.2034	0.010371	-0.0076	0.000424
2 5	0.3636	0.002203	0.1493	0.010371	-0.0068	0.000424
2 7	0.361	0.002203	0.2033	0.010371	-0.0084	0.000424
3 5	0.0752	0.002203	0.2739	0.010371	-0.0099	0.000424
3 7	0.0743	0.002203	0.2883	0.010371	-0.0151	0.000424
4 5	0.0797	0.002203	0.2442	0.010371	-0.0049	0.000424
4 7	0.0788	0.002203	0.2569	0.010371	-0.0063	0.000424
5 5	0.3433	0.002203	0.147	0.010371	-0.0106	0.000424
5 7	0.3402	0.002203	0.201	0.010371	-0.0145	0.000424
6 5	0.4002	0.002203	0.145	0.010371	-0.0075	0.000424
6 7	0.4004	0.002203	0.1804	0.010371	-0.0098	0.000424
7 5	- 0.0333	0.002203	0.1692	0.010371	-0.0097	0.000424
7 7	- 0.0402	0.002203	0.1752	0.010371	-0.0131	0.000424
8 5	0.2868	0.002203	0.1466	0.010371	-0.0072	0.000424
8 7	0.2813	0.002203	0.2029	0.010371	-0.0089	0.000424

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*OBSERVED						
1 A	0.0839	0.003115	0.2042	0.014666	-0.0058	0.000599
1 X1	0.1295	0.003115	0.1522	0.014666	-0.0005	0.000599
1 X2	0.0834	0.003115	0.2087	0.014666	-0.0062	0.000599
1 X1X2	0.0833	0.003115	0.2353	0.014666	-0.0141	0.000599
2 A	0.2998	0.003115	0.2402	0.014666	-0.0039	0.000599
2 X1	0.5541	0.003115	0	0.014666	-0.0002	0.000599
2 X2	0.2987	0.003115	0.2321	0.014666	-0.0103	0.000599
2 X1X2	0.2967	0.003115	0.2327	0.014666	-0.0159	0.000599
3 A	0.0841	0.003115	0.2062	0.014666	-0.0057	0.000599
3 X1	0.0461	0.003115	0.3156	0.014666	-0.0072	0.000599
3 X2	0.0835	0.003115	0.2099	0.014666	-0.0061	0.000599
3 X1X2	0.0851	0.003115	0.3926	0.014666	-0.031	0.000599
4 A	0.0839	0.003115	0.2042	0.014666	-0.0059	0.000599
4 X1	0.0664	0.003115	0.3766	0.014666	-0.0014	0.000599
4 X2	0.0834	0.003115	0.2081	0.014666	-0.0064	0.000599
4 X1X2	0.0832	0.003115	0.2134	0.014666	-0.0088	0.000599
5 A	0.2995	0.003115	0.2404	0.014666	-0.0038	0.000599
5 X1	0.4708	0.003115	0	0.014666	-0.0077	0.000599
5 X2	0.2984	0.003115	0.2333	0.014666	-0.0101	0.000599
5 X1X2	0.2983	0.003115	0.2223	0.014666	-0.0285	0.000599
6 A	0.2998	0.003115	0.2399	0.014666	-0.0038	0.000599
6 X1	0.7047	0.003115	0	0.014666	-0.0016	0.000599
6 X2	0.2989	0.003115	0.2325	0.014666	-0.0101	0.000599
6 X1X2	0.2978	0.003115	0.1784	0.014666	-0.019	0.000599
7 A	0.084	0.003115	0.2047	0.014666	-0.0058	0.000599
7 X1	- 0.3983	0.003115	0	0.014666	-0.0122	0.000599
7 X2	0.0835	0.003115	0.2089	0.014666	-0.0063	0.000599
7 X1X2	0.0838	0.003115	0.275	0.014666	-0.0213	0.000599
8 A	0.2997	0.003115	0.2409	0.014666	-0.0038	0.000599
8 X1	0.2397	0.003115	0.0031	0.014666	-0.0052	0.000599
8 X2	0.2987	0.003115	0.2308	0.014666	-0.0103	0.000599
8 X1X2	0.2982	0.003115	0.2241	0.014666	-0.013	0.000599
COVSTR*SITAVIO1						
1 - RHO14	0.1732	0.002698	0.0562	0.012702	-0.0072	0.000519
1 0	0.0963	0.002698	0.3575	0.012702	-0.0048	0.000519
1 RHO14	0.0155	0.002698	0.1866	0.012702	-0.0079	0.000519
2 - RHO14	0.3863	0.002698	0.0647	0.012702	-0.0078	0.000519
2 0	0.3625	0.002698	0.1528	0.012702	-0.0064	0.000519
2 RHO14	0.3381	0.002698	0.3113	0.012702	-0.0085	0.000519
3 - RHO14	0.1297	0.002698	0.1397	0.012702	-0.0141	0.000519
3 0	0.075	0.002698	0.4131	0.012702	-0.0079	0.000519
3 RHO14	0.0195	0.002698	0.2905	0.012702	-0.0154	0.000519
4 - RHO14	0.1661	0.002698	0.0734	0.012702	-0.0057	0.000519
4 0	0.0802	0.002698	0.4514	0.012702	-0.0055	0.000519
4 RHO14	- 0.0085	0.002698	0.2269	0.012702	-0.0056	0.000519
5 - RHO14	0.3426	0.002698	0.1321	0.012702	-0.0157	0.000519
5 0	0.3413	0.002698	0.1525	0.012702	-0.0092	0.000519
5 RHO14	0.3415	0.002698	0.2374	0.012702	-0.0127	0.000519
6 - RHO14	0.4395	0.002698	0.0509	0.012702	-0.0076	0.000519
6 0	0.4001	0.002698	0.1509	0.012702	-0.0077	0.000519
6 RHO14	0.3613	0.002698	0.2863	0.012702	-0.0105	0.000519
7 - RHO14	0.031	0.002698	0.0694	0.012702	-0.012	0.000519
7 0	- 0.0358	0.002698	0.3433	0.012702	-0.0104	0.000519
7 RHO14	- 0.1054	0.002698	0.1037	0.012702	-0.0118	0.000519
8 - RHO14	0.3039	0.002698	0.0687	0.012702	-0.0084	0.000519
8 0	0.2838	0.002698	0.152	0.012702	-0.0079	0.000519
8 RHO14	0.2646	0.002698	0.3035	0.012702	-0.0079	0.000519

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
COVSTR*SITAVIO2						
1 N	0.035	0.002203	0.3788	0.010371	-0.0004	0.000424
1 Y	0.155	0.002203	0.0214	0.010371	-0.0128	0.000424
2 N	0.1394	0.002203	0.3525	0.010371	-0.0033	0.000424
2 Y	0.5852	0.002203	0	0.010371	-0.0119	0.000424
3 N	0.019	0.002203	0.5026	0.010371	-0.0024	0.000424
3 Y	0.1305	0.002203	0.0596	0.010371	-0.0226	0.000424
4 N	0.0211	0.002203	0.374	0.010371	-0.0007	0.000424
4 Y	0.1375	0.002203	0.1271	0.010371	-0.0105	0.000424
5 N	0.1231	0.002203	0.3477	0.010371	-0.005	0.000424
5 Y	0.5604	0.002203	0.0003	0.010371	-0.02	0.000424
6 N	0.1435	0.002203	0.3252	0.010371	-0.0033	0.000424
6 Y	0.6571	0.002203	0.0002	0.010371	-0.0139	0.000424
7 N	- 0.0502	0.002203	0.3322	0.010371	-0.0031	0.000424
7 Y	- 0.0233	0.002203	0.0121	0.010371	-0.0197	0.000424
8 N	0.0717	0.002203	0.3494	0.010371	-0.0046	0.000424
8 Y	0.4965	0.002203	0.0001	0.010371	-0.0116	0.000424
SSIZE*KNRATIO						
1000 1/2	0.2	0.001349	0.3261	0.006351	-0.0141	0.000259
1000 2/2	0.1999	0.001349	0.2465	0.006351	-0.0123	0.000259
1000 3/2	0.2002	0.001349	0.2042	0.006351	-0.0114	0.000259
5000 1/2	0.2001	0.001349	0.1666	0.006351	-0.0064	0.000259
5000 2/2	0.2002	0.001349	0.1329	0.006351	-0.0056	0.000259
5000 3/2	0.2002	0.001349	0.1174	0.006351	-0.0051	0.000259
SSIZE*METHOD						
1000 PROP	0.2002	0.001101	0.2573	0.005185	-0.0123	0.000212
1000 DA	0.1998	0.001101	0.2606	0.005185	-0.0129	0.000212
5000 PROP	0.2004	0.001101	0.1391	0.005185	-0.0054	0.000212
5000 DA	0.2	0.001101	0.1389	0.005185	-0.0059	0.000212
SSIZE*NSTRATA						
1000 5	0.2014	0.001101	0.2443	0.005185	-0.0112	0.000212
1000 7	0.1986	0.001101	0.2736	0.005185	-0.014	0.000212
5000 5	0.2014	0.001101	0.1236	0.005185	-0.0044	0.000212
5000 7	0.1989	0.001101	0.1543	0.005185	-0.0069	0.000212
SSIZE*OBSERVED						
1000 A	0.1919	0.001558	0.2831	0.007333	-0.0067	0.0003
1000 X1	0.2267	0.001558	0.151	0.007333	-0.0064	0.0003
1000 X2	0.1911	0.001558	0.2826	0.007333	-0.0114	0.0003
1000 X1X2	0.1903	0.001558	0.3191	0.007333	-0.0257	0.0003
5000 A	0.1918	0.001558	0.1621	0.007333	-0.0029	0.0003
5000 X1	0.2265	0.001558	0.0609	0.007333	-0.0026	0.0003
5000 X2	0.191	0.001558	0.1585	0.007333	-0.005	0.0003
5000 X1X2	0.1913	0.001558	0.1744	0.007333	-0.0121	0.0003
SSIZE*SITAVIO1						
1000 - RHO14	0.2463	0.001349	0.1414	0.006351	-0.0136	0.000259
1000 0	0.2004	0.001349	0.3326	0.006351	-0.011	0.000259
1000 RHO14	0.1534	0.001349	0.3029	0.006351	-0.0131	0.000259
5000 - RHO14	0.2468	0.001349	0.0224	0.006351	-0.006	0.000259
5000 0	0.2005	0.001349	0.2108	0.006351	-0.004	0.000259
5000 RHO14	0.1533	0.001349	0.1837	0.006351	-0.007	0.000259
SSIZE*SITAVIO2						
1000 N	0.0629	0.001101	0.4732	0.005185	-0.004	0.000212
1000 Y	0.3371	0.001101	0.0447	0.005185	-0.0211	0.000212
5000 N	0.0627	0.001101	0.2674	0.005185	-0.0017	0.000212
5000 Y	0.3376	0.001101	0.0106	0.005185	-0.0097	0.000212
KNRATIO*METHOD						
1/2 PROP	0.2003	0.001349	0.2451	0.006351	-0.01	0.000259
1/2 DA	0.1998	0.001349	0.2476	0.006351	-0.0105	0.000259
2/2 PROP	0.2003	0.001349	0.1889	0.006351	-0.0087	0.000259
2/2 DA	0.1999	0.001349	0.1905	0.006351	-0.0092	0.000259
3/2 PROP	0.2003	0.001349	0.1605	0.006351	-0.008	0.000259
3/2 DA	0.2	0.001349	0.1611	0.006351	-0.0085	0.000259
KNRATIO*NSTRATA						
1/2 5	0.2015	0.001349	0.2325	0.006351	-0.0088	0.000259
1/2 7	0.1986	0.001349	0.2603	0.006351	-0.0116	0.000259
2/2 5	0.2013	0.001349	0.174	0.006351	-0.0075	0.000259
2/2 7	0.1988	0.001349	0.2053	0.006351	-0.0103	0.000259
3/2 5	0.2014	0.001349	0.1455	0.006351	-0.007	0.000259
3/2 7	0.1989	0.001349	0.1761	0.006351	-0.0094	0.000259

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
KNRATIO*OBSERVED						
1/2 A	0.1918	0.001908	0.2716	0.008981	-0.0064	0.000367
1/2 X1	0.2267	0.001908	0.1395	0.008981	-0.0041	0.000367
1/2 X2	0.191	0.001908	0.272	0.008981	-0.0091	0.000367
1/2 X1X2	0.1906	0.001908	0.3024	0.008981	-0.0212	0.000367
2/2 A	0.1918	0.001908	0.2126	0.008981	-0.0045	0.000367
2/2 X1	0.2265	0.001908	0.0993	0.008981	-0.0045	0.000367
2/2 X2	0.1911	0.001908	0.2103	0.008981	-0.0079	0.000367
2/2 X1X2	0.1908	0.001908	0.2365	0.008981	-0.0187	0.000367
3/2 A	0.1919	0.001908	0.1836	0.008981	-0.0036	0.000367
3/2 X1	0.2266	0.001908	0.079	0.008981	-0.0049	0.000367
3/2 X2	0.1911	0.001908	0.1793	0.008981	-0.0076	0.000367
3/2 X1X2	0.191	0.001908	0.2013	0.008981	-0.0169	0.000367
KNRATIO*SITAVIO1						
1/2 - RHO14	0.2462	0.001652	0.1298	0.007778	-0.0112	0.000318
1/2 0	0.2004	0.001652	0.313	0.007778	-0.0084	0.000318
1/2 RHO14	0.1535	0.001652	0.2964	0.007778	-0.011	0.000318
2/2 - RHO14	0.2466	0.001652	0.0712	0.007778	-0.0095	0.000318
2/2 0	0.2003	0.001652	0.2643	0.007778	-0.0073	0.000318
2/2 RHO14	0.1533	0.001652	0.2335	0.007778	-0.01	0.000318
3/2 - RHO14	0.2468	0.001652	0.0447	0.007778	-0.0088	0.000318
3/2 0	0.2004	0.001652	0.2378	0.007778	-0.0068	0.000318
3/2 RHO14	0.1532	0.001652	0.2	0.007778	-0.0092	0.000318
KNRATIO*SITAVIO2						
1/2 N	0.0628	0.001349	0.4503	0.006351	-0.0022	0.000259
1/2 Y	0.3373	0.001349	0.0424	0.006351	-0.0182	0.000259
2/2 N	0.0628	0.001349	0.3556	0.006351	-0.0029	0.000259
2/2 Y	0.3373	0.001349	0.0237	0.006351	-0.0149	0.000259
3/2 N	0.0628	0.001349	0.3049	0.006351	-0.0035	0.000259
3/2 Y	0.3375	0.001349	0.0167	0.006351	-0.013	0.000259
METHOD*NSTRATA						
PROP 5	0.2016	0.001101	0.1835	0.005185	-0.0076	0.000212
PROP 7	0.199	0.001101	0.2129	0.005185	-0.0102	0.000212
DA 5	0.2012	0.001101	0.1845	0.005185	-0.008	0.000212
DA 7	0.1986	0.001101	0.215	0.005185	-0.0108	0.000212
METHOD*OBSERVED						
PROP A	0.1927	0.001558	0.2196	0.007333	-0.0048	0.0003
PROP X1	0.2266	0.001558	0.1059	0.007333	-0.0045	0.0003
PROP X2	0.1911	0.001558	0.2205	0.007333	-0.0082	0.0003
PROP X1X2	0.1908	0.001558	0.2466	0.007333	-0.0179	0.0003
DA A	0.191	0.001558	0.2256	0.007333	-0.0048	0.0003
DA X1	0.2266	0.001558	0.1059	0.007333	-0.0045	0.0003
DA X2	0.1911	0.001558	0.2205	0.007333	-0.0082	0.0003
DA X1X2	0.1908	0.001558	0.2468	0.007333	-0.02	0.0003
METHOD*SITAVIO1						
PROP - RHO14	0.2443	0.001349	0.0794	0.006351	-0.0095	0.000259
PROP 0	0.2004	0.001349	0.2717	0.006351	-0.0073	0.000259
PROP RHO14	0.1562	0.001349	0.2435	0.006351	-0.0097	0.000259
DA - RHO14	0.2488	0.001349	0.0844	0.006351	-0.0101	0.000259
DA 0	0.2004	0.001349	0.2717	0.006351	-0.0076	0.000259
DA RHO14	0.1505	0.001349	0.2431	0.006351	-0.0104	0.000259
METHOD*SITAVIO2						
PROP N	0.0627	0.001101	0.3697	0.005185	-0.0028	0.000212
PROP Y	0.3379	0.001101	0.0267	0.005185	-0.0149	0.000212
DA N	0.063	0.001101	0.3709	0.005185	-0.0029	0.000212
DA Y	0.3368	0.001101	0.0285	0.005185	-0.0159	0.000212
NSTRATA*OBSERVED						
5 A	0.1925	0.001558	0.2038	0.007333	-0.0046	0.0003
5 X1	0.2296	0.001558	0.1022	0.007333	-0.0042	0.0003
5 X2	0.1918	0.001558	0.2024	0.007333	-0.0079	0.0003
5 X1X2	0.1917	0.001558	0.2275	0.007333	-0.0144	0.0003
7 A	0.1912	0.001558	0.2413	0.007333	-0.005	0.0003
7 X1	0.2237	0.001558	0.1097	0.007333	-0.0048	0.0003
7 X2	0.1903	0.001558	0.2387	0.007333	-0.0086	0.0003
7 X1X2	0.1899	0.001558	0.2659	0.007333	-0.0234	0.0003

Effect	MeanBias	SE MeanBias	Clevel	SE Clevel	StDiff	SE StDiff
NSTRATA*SITAVIO1						
5 - RHO14	0.2486	0.001349	0.0669	0.006351	-0.0083	0.000259
5 0	0.2019	0.001349	0.2471	0.006351	-0.0067	0.000259
5 RHO14	0.1537	0.001349	0.2379	0.006351	-0.0084	0.000259
7 - RHO14	0.2445	0.001349	0.0969	0.006351	-0.0114	0.000259
7 0	0.1989	0.001349	0.2962	0.006351	-0.0082	0.000259
7 RHO14	0.153	0.001349	0.2487	0.006351	-0.0118	0.000259
NSTRATA*SITAVIO2						
5 N	0.0677	0.001101	0.3411	0.005185	-0.0027	0.000212
5 Y	0.3351	0.001101	0.0268	0.005185	-0.0128	0.000212
7 N	0.0579	0.001101	0.3995	0.005185	-0.003	0.000212
7 Y	0.3396	0.001101	0.0284	0.005185	-0.0179	0.000212
OBSERVED*SITAVIO1						
A - RHO14	0.2418	0.001908	0.0622	0.008981	-0.005	0.000367
A 0	0.1916	0.001908	0.3323	0.008981	-0.0047	0.000367
A RHO14	0.1422	0.001908	0.2733	0.008981	-0.0046	0.000367
X1 - RHO14	0.2647	0.001908	0.0297	0.008981	-0.0044	0.000367
X1 0	0.227	0.001908	0.0938	0.008981	-0.0045	0.000367
X1 RHO14	0.1881	0.001908	0.1943	0.008981	-0.0046	0.000367
X2 - RHO14	0.2511	0.001908	0.0766	0.008981	-0.008	0.000367
X2 0	0.1917	0.001908	0.3313	0.008981	-0.0082	0.000367
X2 RHO14	0.1304	0.001908	0.2537	0.008981	-0.0085	0.000367
X1X2 - RHO14	0.2285	0.001908	0.1591	0.008981	-0.0218	0.000367
X1X2 0	0.1913	0.001908	0.3293	0.008981	-0.0125	0.000367
X1X2 RHO14	0.1526	0.001908	0.2518	0.008981	-0.0225	0.000367
OBSERVED*SITAVIO2						
A N	0.0291	0.001558	0.4376	0.007333	-0.0002	0.0003
A Y	0.3546	0.001558	0.0076	0.007333	-0.0094	0.0003
X1 N	0.163	0.001558	0.1298	0.007333	-0.0039	0.0003
X1 Y	0.2903	0.001558	0.0821	0.007333	-0.0051	0.0003
X2 N	0.0297	0.001558	0.429	0.007333	-0.0034	0.0003
X2 Y	0.3524	0.001558	0.012	0.007333	-0.013	0.0003
X1X2 N	0.0295	0.001558	0.4847	0.007333	-0.0039	0.0003
X1X2 Y	0.3521	0.001558	0.0087	0.007333	-0.034	0.0003
SITAVIO1*SITAVIO2						
-RHO14 N	0.1297	0.001349	0.1549	0.006351	-0.0029	0.000259
-RHO14 Y	0.3634	0.001349	0.0089	0.006351	-0.0167	0.000259
0 N	0.0621	0.001349	0.5251	0.006351	-0.0028	0.000259
0 Y	0.3387	0.001349	0.0183	0.006351	-0.0121	0.000259
RHO14 N	- 0.0034	0.001349	0.4309	0.006351	-0.0028	0.000259
RHO14 Y	0.31	0.001349	0.0557	0.006351	-0.0173	0.000259