

Gebrenegus Ghilagaber
Dept. of Statistics, Stockholm University

Selected Publications:

Printed or Accepted Articles

Ghilagaber, Gebrenegus, Incompatibility between Hazard- and Logistic-Regression in Modeling Competing Risks. To appear in *Quality & Quantity*.

Ghilagaber, Gebrenegus, The Extended Generalized Gamma Model and its Special Cases: Applications to Modeling Marriage Durations. To appear in *Quality & Quantity*

Ghilagaber, Gebrenegus (2004), Another Look at Chow's Test for the Equality of Two Heteroscedastic Regression Models. To appear in *Quality & Quantity* **38** (# 1), February 2004.

Macassa, G., **Ghilagaber, G.**, Bernhardt, E., Diderichsen, F., and B. Burström (2003), [Inequalities in child mortality in Mozambique: differentials by parental socio-economic position](#). *Social Science and Medicine* 57, 2255-2264.

Macassa, G., **Ghilagaber, G.**, Bernhardt, E. & Burström, B. (2003), [Trends in infant and child mortality in Mozambique during and after a period of conflict](#). *Public Health* **117** (# 4), 221-227.

Ghilagaber, Gebrenegus (2002), Simultaneous log-linear modeling of competing risks. *South African Statistical Journal – Theory and Methods* **36**, 97-115.

Ghilagaber, Gebrenegus (1999), [On the problem of identification in multiplicative intensity models with multiple interactions](#). *Quality & Quantity* **33** (# 1), 45-58.

Ghilagaber, Gebrenegus (1998), [Analysis of survival data with multiple causes of failure: A comparison of hazard- and logistic-regression models with application in demography](#). *Quality & Quantity* **32** (# 3), 297-324.

Ghilagaber, Gebrenegus (1996), A Non-parametric comparison of some estimators for the common mean of several normal populations: a case of small replications. *JESA* **6**, 25-43.

Ghilagaber, Gebrenegus (1995), A competing-risks analysis of the choice between marriage and cohabitation: experience of Swedish men born in 1936-1964. pp. 64-76 in Christer Lundh (ed.), *Demography, Economy and Welfare: Scandinavian Population Studies 10*. Lund University Press.

Articles under Review or Preparation

Ghilagaber, G. (2003), Disentangling Selection and Causality in Assessing the Effects of Health Inputs on Child Survival: Evidence from East Africa. Under Revision for *Statistical Modelling – An International Journal*.

Ghilagaber, G. (2004), Neighbourhood Effects on Immigrant Educational Attainment: Evidence from 2nd Generation Polish and Turkish Immigrants in Sweden. A book Chapter under preparation

Macassa, G., **Ghilagaber, G.**, Bernhardt, E, & Burström, B. (2003b), What explains regional differentials in infant and child mortality in Mozambique?" Under reconsideration by *East African Medical Journal*.

Macassa, G., **Ghilagaber, G.**, Bernhardt, E, & Burström, B. (2003a), Inequalities in child mortality in Mozambique: differentials by ethnic affiliation of the mother. Under review by *Ethnicity & Health*

Löfstedt, P., **Ghilagaber, G.**, Shusheng, L., and Johansson, A. (2003), Gender, Premarital Conception and the Transition from First Marriage to First Birth in Huaning County, Yunnan Province, PRC. Under review by *International Family Planning Perspectives*.

Dissertation(s): The dissertations (theses) listed below are made-up of some Printed Articles listed above and/or Research Reports listed below the Dissertation list.

Ghilagaber, Gebrenegus (1998), Five Essays on Models and Methods for the Analysis of Survival Data with Single and Multiple Causes of Failure. With Applications in Family Demography. Doctoral Dissertation, Department of Statistics, Uppsala University (*Comprehensive Summaries of Uppsala Dissertations from the Faculty of Social Sciences 72*), 1998.

Ghilagaber, Gebrenegus (1996), Analysis of survival data with single and multiple causes of failure: Applications in Family Demography. *Licentiate Thesis*, Department of Statistics, Uppsala University, Sweden, 1996.

Ghilagaber, Gebrenegus (1993), The effect of cohabitation on marriage formation and dissolution: experience of Swedish men born between 1936 and 1964. *Licentiate-thesis*, Demography Unit, Stockholm University, Stockholm- Sweden, 1993.

Ghilagaber, Gebrenegus (1985), A comparison of Several Estimators for the Common Mean of Different Normal Populations: A Simulation Study. *M. Sc. paper*, School of Graduate Studies, AAU.

Research Reports:

Ghilagaber, Gebrenegus (1995), Similarities among some hazard-rate and duration models for grouped and continuous life-time data with covariates: an exploration and application to modeling correlates of marital dissolution. *Research Report 1995-3*, Department of Statistics, Uppsala University, Sweden, 1995.

Ghilagaber, Gebrenegus (1993c), The relationship between premarital cohabitation and subsequent marital stability: Evidence for Swedish men born in 1936-1960. *Stockholm Research Reports in Demography No. 80*, Demography Unit, Stockholm University, Stockholm – Sweden, 1993.

Ghilagaber, Gebrenegus (1993b), Performance in the Swedish Scholastic Aptitude Test: Structural Stability Across Background Variables. *Stockholm Research Reports in Demography No. 79*, Demography Unit, Stockholm University, Stockholm – Sweden, 1993.

Ghilagaber, Gebrenegus (1993a), Family Initiation Among Swedish Males born 1936-1964: The Choice between Marriage and Cohabitation. *Stockholm Research Reports in Demography No. 77*. Demography Unit, Stockholm University, Stockholm-Sweden, 1993

Internal Memoranda:

Ghilagaber, Gebrenegus (1993b), LISREL models in fertility and policy studies, *Internal Memorandum, 931130*, Demography Unit, Stockholm University, Stockholm - Sweden. 1993.

Ghilagaber, Gebrenegus (1993a), Simulating Population-Environment-Resource Interactions in the process of Desertification. *Internal Memorandum, 930423*, Demography Unit, Stockholm University, Stockholm, Sweden, 1993.

Ghilagaber, Gebrenegus (1992b), The Swedish Scholastic Aptitude Test: Measurement and Dimensionality. *Internal Memorandum, 921210*, Demography Unit, Stockholm University, Sweden, 1992.

Ghilagaber, Gebrenegus (1992a), Which Marriages End Up in Divorce? Socio-Demographic Correlates of Divorce in Sweden, *Internal Memorandum 920331*, Demography Unit, Stockholm University, Sweden, 1992

Conference Contributions:

Ghilagaber, Gebrenegus (2003c), Causal Inference in Longitudinal with Demographic Applications. Poster Presentation at the course on Longitudinal Research Methods. Sigtuna – Sweden, 14 - 17 August 2003.

Ghilagaber, Gebrenegus (2003b), Causal Inference in Longitudinal with Demographic Applications. Paper accepted for oral presentation in Session CPS IIID (*Covariate Adjustments*) at the joint meeting 3rd Joint Meeting of the International Society for Clinical Biostatistics (ISCB) and the Society for Clinical Trials, London - UK, 20 - 24 July 2003.

Ghilagaber, Gebrenegus, (2003a), Community Effects on Immigrant Educational Attainment: The Case of Second Generation Polish and Turkish Immigrants in Sweden. Contribution to the Workshop on *‘Immigration, Family, and the Transition to Adulthood: Sweden in the European Context’*, Sponsored by Stockholm University, and held at Bergendal Kurs & Konferens, Sollentuna (Stockholm, Sweden), 23-25 May 2003.

Ghilagaber, Gebrenegus, and **Gyimah, Stephen Obeng** (2003), A Family of Flexible Parametric Duration Functions and its Applications to Child-spacing in Sub-Saharan Africa. Paper accepted for oral presentation in Session 10 (*Methodological Challenges and Advances in Fertility Research*) at Population Association of America Annual Meeting, Minneapolis - Minnesota (USA), 1 – 3 May, 2003.

<http://paa2003.princeton.edu/docs%5C03FinalProgram.pdf>

Ghilagaber, Gebrenegus (2002b), Correcting for Selection Biases in Evaluating the Effects of Health Inputs on Child Survival. Contribution to Session on *Survival Models 5* at the 23rd Annual Conference of the International Society for Clinical Biostatistics (ISCB23), Dijon – France, 9 - 13 September 2002.

Ghilagaber, Gebrenegus (2002a), Childhood Mortality in Egypt, Eritrea, and Uganda: A Multilevel, Multiprocess Hazards Model with Unobserved Heterogeneity. Contribution to Session 29 (*Statistical Modeling with Clustering and Heterogeneity*), Population Association of America Annual Meeting, Atlanta – Georgia (USA), 9 –11 May 2002.

<http://paa2002.princeton.edu/abstractViewer.asp?submissionId=60168>

Ghilagaber, Gebrenegus (1996), Simultaneous log-linear modeling of multiple risks: a demographic illustration on the need to distinguish among various hazard rates. Paper presented at the 16th Nordic Conference in Mathematical Statistics. Lahti - Finland (August 18-22, 1996).

Ghilagaber, Gebrenegus (1988), Generating a Standard Normal Sample. p. 264 in George Marx (ed.) *Proceedings of the Second International Workshop on the Use of Microcomputers in the Teaching of Physics and Mathematics*, Aswan-Egypt, January 14-24, 1988, International Centre for Theoretical Physics, Trieste – Italy, 1988.

Ghilagaber, Gebrenegus (1987), The Normal Distribution by Simulation. p. 169 in George Marx (ed.) *Proceedings of the First International Workshop on the Use of Microcomputers in the Teaching of Physics and Mathematics*, Khartoum-Sudan, March 22-31, 1987. International Centre for Theoretical Physics, Trieste – Italy, 1987.