

Stockholms Universitet, Statistisk

Exam in: Statistical databases and register

Examiner: Mikael Möller and Bo Sundgren

Approved aids: Pen and pencil

Examination day: 100326

Examination room: B705

Examination time: 3 hours

All assumptions and notations should be explained and defined (also those that have been used during the course). All answers, reasoning and explanations should be easy to follow. Answers and arguments which cannot be understood give 0 p.

Good luck!

- 1:** What is a register? Start from a basic definition, stating the core properties and functions of a register. Then state additional properties and functions that a register may have. Also describe major differences between an administrative register and a statistical register. (10p)
- 2:** Compare advantages and disadvantages of traditional statistical surveys and register-based statistics production. Also describe how traditional surveys and registers may be combined in constructive ways. (10p)
- 3:** Describe the major steps in the design and construction of a statistical register based on several administrative sources and possibly also other statistical registers. (10p)
- 4:** Weights/calibration and imputation are two alternative ways of adjusting for missing values in a system of registers. Give a brief description of the two methods. Which of the two methods is recommended, and why? (10p)