

Course syllabus

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Statistical methods and their application to gender studies

Credit points: 7,5 CTS credits Responsible department: Umea Centre for Gender Studies Main field of study: Gender Studies Level: PhD Studies Subject area: Gender Studies Grading scale: Fail/Pass

1. Confirmation

The course syllabus has been confirmed by the Director of Umea Centre for Gender Studies on June 24, 2013 on delegation from the Board of Umea Centre for Gender Studies (decision for delegation April 4, 2008) and is valid from the autumn term 2013.

2.Contents

The course aims at studying empirical means of performing gender research together with their associated statistical methods. By exploring ways of measuring gender and analyzing data from such measured quantities the aim is that the students acquire knowledge on a variety of statistical methods and how they can be applied in gender studies. Here, building on fundamental concepts in statistical theory statistical inference through e.g. regression models, difference in difference, the potential outcome framework will be presented. Also, exploring data with graphical tools will be presented. The course also contains a laboration session were data are analyzed using the software SPSS.

3.Expected learning outcomes

After completion of the course students should

- Be able to reflect on statistical methods and their applications into gender studies
- Be able to critically appraise issues of statistical methods in gender studies
- Be able to relate this knowledge to their own field of research and their own thesis work

4.Form of instruction

The instruction will be in the format of lectures, seminars and group discussions where students will critically scrutinize scientific papers from a statistical and methodological point of view.



5.Examination modes

Examination of the course consists of successfully completing a home assignment together with an oral presentation of the assignment on a seminar.

6.Course literature

Argyrous, G. (2011) Statistics for research: with a guide to SPSS. Sage, London.

Hand D.J. (2008) Statistics a very short introduction. Oxford University Press, Oxford.

Jepsen, Lisa K. (2007) Comparing the earnings of cohabiting lesbians, cohabiting heterosexual women, and married women: evidence from the 2000 Census. *Industrial Relations* 46, 697-727.

Weichselbaumer, Doris (2003) Sexual orientation discrimination in hiring. Labour Economics 10, 629-642.

Weichselbaumer, Doris (2004) Is it sex or personality? The impact of sex-stereotypes on discrimination in applicant section. *Eastern Economic Journal* 30, 159-186

Kroska, A. (2000) Conceptualizing and measuring gender ideology as an identity. Gender and Society, 14: 368-394.

Literature: Wallgren A. and Wallgren B. (2007) Register-based statistics – Administrative data for statistical purposes, John Wiley and Sons, Chichester.

Holland P.W. (1986) Statistics and Causal inference. *Journal of the American Statistical Association* 81, 945-960.

Additional articles will be listed in conjunction with the guest lectures.