

Syllabus

for course at advanced level

SPSS and data management
SPSS och datahantering

3.0 Higher Education
Credits
3.0 ECTS credits

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|--------------------------|---|
| Course code: | PH2400 |
| Valid from: | Spring 2015 |
| Date of approval: | 2014-10-28 |
| Department | Department of Public Health Sciences |
| Main field: | Public Health |
| Specialisation: | A1N - Second cycle, has only first-cycle course/s as entry requirements |

Decision

The syllabus was approved by the board for Centre for Health Equity Studies (CHES), Stockholm University/Karolinska Institutet 2011-01-03

Prerequisites and special admittance requirements

Bachelor's degree (180 ECTS) in Sociology, Psychology, Public Health Sciences, Medicine or similar. English proficiency equivalent to English Course B/English 6.

Course structure

| Examination code | Name | Higher Education Credits |
|------------------|--------------------------|--------------------------|
| T240 | SPSS and data management | 3 |

Course content

The purpose of the course is to give a practical introduction to SPSS. SPSS (Statistical Package for the Social Sciences) is a computer program used for statistical analysis. The course includes a presentation of basic functions in SPSS as well as how these functions may be used to create and manage quantitative data materials. Additional focus is put on presentation and interpretation of descriptive statistics and the implications of attrition.

Learning outcomes

At the end of the course the student will be able to:

- 1) Understand how the SPSS environment is constructed.
- 2) Identify and use the functions in SPSS that are necessary to a) create a data-file structure for a new data material and b) manage and process existing data materials.
- 3) Use SPSS to generate descriptive statistics, including central tendencies (mean, median, mode, standard deviation), tables and figures, as well as being able to motivate the choice of description in each case.
- 4) Present and interpret descriptive statistics in writing.
- 5) Manage attrition/missingness in the data material and discuss the importance of attrition for the descriptive statistics.
- 6) Reach a basic understanding of how programming (syntax) works in SPSS.

Education

The teaching will be based on seminars in computer classes, where theoretical briefing is accompanied by practical computer exercises.

The course is given in English

Forms of examination

- a) The course will be examined through individual assignments.
- b) The grading is based on a two-point grading scale: pass (G) or do not pass (U).
- c) The grading criteria will be distributed at course start.
- d) In order to pass the course, the students are required to have a pass grade (G) on all individual assignments.
- e) Students receiving the grade U (not pass) have the right to request that a different examiner perform the grading of the course. This request will then be forwarded to the director of studies who will appoint a new examiner.

Interim

Students can request an examination in accordance to this curriculum up to three terms after it has ceased or been significantly altered.

Limitations

The course overlaps in content with an earlier version of the course “SPSS and data management” (course code: PH008S) to an extent of 3 hp and can therefore not be included in the same university degree as “SPSS and data management”.

Required reading

A list of the current course literature is found in the course description.