

PC training: Analysis of OHC Survey data

- Preparatory steps
- Go to course homepage at

<https://wiki.helsinki.fi/display/SocStats/Topics+in+Survey+Methodology+and+Survey+Analysis%2C+fall+2013>

- Download the data sets to your personal folder:
 - SAS data set: OHC.sas7bdat
 - SPSS data set: OHC.sav
 - Mplus data set: OHC.dat
- Download program codes to the same folder as the data set
 - SAS program code: PC_Session_SAS1.sas
 - SAS program code: PC_Session_SAS2.sas
 - Mplus program code: Mplus_code.inp



(1) SAS computation

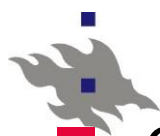
- Open SAS software: SAS 9.3 (English)
 - Open SAS program code:
 - Session 1: PC_Session_SAS1.sas
 - Session 2: PC_Session_SAS1.sas

 - SAS analysis: Follow instructions
 - Data step operations
 - Analysis operations
 - Session 1: SURVEYMEANS, SURVEYFREG
 - Session 2: SURVEYLOGISTIC GENMOD, GLIMMIX

 - Examine results
 - Consult SAS help and Documentation / and SAS/STAT Procedures Guide

 - Compare numerical results from the procedures

 - Further training: Try by yourself!
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- NOTE: To run a piece of SAS code, paste the area and click submit button (run) or F3 key



(2) SPSS Complex Samples module

- Open SPSS software. Open SPSS data set OHC.sav
- CSPLAN file: Go to
Analyze – Complex samples – Prepare for analysis
Analysis Preparation Wizard for CSPLAN file creation
 - Follow instructions
- Means, frequency tables: Go to
Analyze – Complex samples – Descriptives / Crosstabs
Complex Samples Plan for Descriptives Wizard:
Use default file – Continue
- Logistic regression: Go to
Analyze – Complex samples – Logistic regression
Complex Samples Plan for Logistic Regression Wizard:
Use default file – Continue
- Complex Samples Logistic Regression Wizard:
 - Follow instructions
- Examine results (Output file). Consult SPSS Help.
See SPSS Command Syntax Reference



(3) MPLUS Type = COMPLEX

- Open Mplus Editor
 - Open Mplus program code: Mplus_code
- Examine the code. Consult Mplus Help
 - Mplus User's Guide: <http://www.statmodel.com/>
- Run the code: Press RUN button
 - Examine results: File Mplus_code.out
- Compare results of SAS, SPSS and Mplus!
- Further training: Try by yourself !