- Faculté des sciences économiques
- www.unine.ch/seco

Statistical analysis for survey research (5ME2002)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en méthodologie d'enquête et d'opinion publique	**Cours: 4 ph**	**écrit: 2 h**	6

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

Période d'enseignement:

- Semestre Automne

Equipe enseignante:

Dr. Matti Langel
Address :
Phone :
Email :

Objectifs:

The objectives of the course are to provide students with:
- general knowledge in statistics and data analysis
- an introduction to probability theory and inferential statistics
- the ability to apply regression techniques and run model diagnostics.
- an introduction to longitudinal data analysis (mixed models) and structural equation modelling.
- notions for more specific courses (statistical softwares, survey sampling, factorial methods and cluster analysis).

Contenu:

This course covers a wide variety of topics in statistical analysis, including some practical applications. After a short review of descriptive statistics, the course will cover the main aspects of inferential statistics, including probability theory, statistical distributions, hypothesis testing and confidence intervals. The second half of the semester will be dedicated to statistical models such as linear and logistic regression and an introduction to mixed models and structural equation modelling. The R software will be used in practical applications.

Forme de l'évaluation:

E : 2-hour written test during the end-of-semester examination session.

Reexamination session (August-September) : 2h written test

Documentation:

see general bibliography of the Public Opinion and Survey Methodology master program.

Forme de l'enseignement:

6 ECTS credits
- Compulsory course for master in public opinion and survey methodology
- Automn Semester
- Course: 4 hours