

- Faculté des sciences
- [www.unine.ch/sciences](http://www.unine.ch/sciences)

**Statistical analysis for survey research (UniNe) (3ME2003)**

| Filières concernées   | Nombre d'heures    | Validation      | Crédits ECTS |
|---|--------------------|-----------------|--------------|
| <b>Master en méthodologie d'enquête et opinion publique</b> | <b>Cours: 4 ph</b> | Voir ci-dessous | 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  
[matti.langel@unine.ch](mailto:matti.langel@unine.ch)

**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 regression (as well as logistic regression and mixed models if we have time). The R software will be used in practical applications.

**Forme de l'évaluation**

Students are assessed through a 2-hour written examination during the exam session of the Faculté des Sciences.

**Documentation**

Refer to general literature / bibliography of the POSM master program

**Pré-requis**

Students are expected to have taken introductory statistics courses in their bachelor program.