

## LIVES doctoral school: Statistical refreshment

## Geneva, Uni Mail, October 14-15, 2013

October 14: Data Analysis

Morning: Factorial Methods

From To Room

9h 12h30 M-4383 Dominique Joye

Principal components.
To rotate or not to rotate?
Factor models and extensions.

Afternoon: Clustering

From To Room

14h 17h30 M-4383 Matthias Studer

Some uses of clustering in the social sciences.

Main clustering methods. Interpreting the results.

Choosing a method and the number of group using cluster quality

measures.

Some common pitfalls of cluster analysis.

Apero

## October 15: Data Analysis

Morning: Regression models

From To Room

9h 10h M-4383 Gilbert Ritschard

10h 12h30 M-5383 Interpreting coefficients of linear, logistic and survival models.

Model quality and statistical significance of covariate effects.

Presenting regression results.

Afternoon: Modeling strategies

From To Room

14h 17h30 M-4165 Michel Oris

Defining independent and dependent variables.

Constructing models.

Outcomes and interpretation.