



Università di Torino

Scuola di Dottorato in Scienze Umane e Sociali

Dottorato di Ricerca in Economia “Vilfredo Pareto”

Introduction to STATA

Spring 2014

Instructor

Flavia Coda Moscarola

Objective of the course:

The objective of these classes is to introduce students to the use of STATA. STATA is a statistical package for the analysis of big data sets. The course will provide the basis to run statistical and econometric analyses.

Contents:

Introduction to STATA

- Do files, Log files
- Load data
- Save data
- Merge data sets
- Append data sets
- Reshape data from wide to long
- Collapse data sets
- Generate new variables

Descriptive statistics and graphics

- summarize and tabulate
- histograms and twoway graphs

The estimation of a linear regression model with OLS

- Interpretation of the regression output
- Predicted values
- Store coefficients
- Printable output
- Tests

Programming in STATA

- Loops
- Maximum likelihood
- Bootstrapping

Course Schedule:

(10 hours)

All lectures will be held at the

Collegio Carlo Alberto
Via Real Collegio 30 – 10024 Moncalieri TO