

Statistics and Introduction to STATA

In Cooperation with the GRADE Center GSEFM

Objective

The GRADE Center GSEFM opens its „pre-semester courses“, held by advanced PhD candidates, to all PhD candidates registered at GRADE. These courses cover different topics.

Description

1. Introduction to STATA
2. Probability
3. Distribution of Random Variables (Theory and Numerical Illustration in STATA)
 - Bernoulli and Poisson Distributions
 - Exponential Distribution
 - Normal Distribution
 - Transformations of Normal Random Variables: Chi Square, t and F Distributions
3. Multivariate Random Variables (Theory and Numerical Illustration in STATA)
 - Multivariate Normal Distribution
 - Expectations
 - Covariances and Correlation
 - Conditional Distributions
4. Moment Generating Functions and Transformations of Distributions

Conditions

Participants are expected to have a solid undergraduate background in mathematics. Those missing some of this background are expected to have worked through the following reference prior to the beginning of the course:

Chiang, A.C. and K. Wainwright (2005): Fundamental Methods of Mathematical Economics, Mc Graw-Hill Irwin.

The pre-semester courses, epidemiological situation permitting, will be held in in-person format.

Trainer



Musin Ciftci
Goethe-University

Organizational Information

Language / Format	English / On campus
Target group	Doctoral Candidates from all faculties
Date	Monday-Tuesday, 3-4 October 2022, 10:00 – 12:00 & 13:00 – 15:00 Friday, 7 October 2022, 10:00 – 12:00 & 13:00 – 15:00 Monday, 10 October 2022, 10:00 – 12:00 & 13:00 – 15:00
Registration	For registration click here