

Intro and Admin

Olivér Kiss

Mathematics and Informatics Pre-session for Business Analytics

2018

About the course

- ▶ Instructor: Olivér Kiss
- ▶ E-mail: kiss_oliver@phd.ceu.edu
- ▶ Office hours: Before each class b/w 2pm and 3 pm (N13 519)
- ▶ Classes: Each workday 3:30 pm to 7:20 pm. Check <http://schedules.ceuecon.org/business-analytics-1> for room.
- ▶ No class this Friday!
- ▶ Course drop: Course can be dropped free of charge 24 hours after the first session. After this date drop is possible until the course is halfway over (late drop fee applies). No changes are allowed past that date.
- ▶ Course materials: <https://github.com/kiss-oliver/ba-pre-session-2018/>
- ▶ Exam: Pass/Fail, take home, 72h to complete. Minimum pass: 20/30 in maths + all IT tasks completed.

Books

The slides I provide will be quite detailed, but we mainly follow the books below:

- ▶ Knut Sydsaeter and Peter J. Hammond [SYD] - Mathematics for Economic Analysis
- ▶ Dirk P. Kroese [KROESE] - A Short Introduction to Probability
- ▶ Michael Freeman and Joel Ross [FR] - Technical Foundations of Informatics
- ▶ Scott Chacon and Ben Straub [CH] - Pro Git

Topics

- ▶ Elementary Algebra
- ▶ Basic functions
- ▶ Calculus
- ▶ Linear algebra
- ▶ Probability theory
- ▶ Basic command line operations
- ▶ GitHub

Rules

- ▶ Ask all questions!
- ▶ You may be familiar with certain parts of the material already
 - ▶ Feel free to leave anytime
 - ▶ If you decide to stay, don't disturb others
- ▶ Everything covered here will be assumed to be common knowledge during other courses