

Intro and Admin

Olivér Kiss

Mathematics and Informatics Pre-session for Business Analytics

2022

About the course

- ▶ Instructor: Olivér Kiss
- ▶ E-mail: kiss_oliver@phd.ceu.edu
- ▶ Office hours: drop an e-mail and we schedule one
- ▶ Classes: <http://schedules.ceuecon.org>
- ▶ Course materials: <https://github.com/kiss-oliver/ba-pre-session-2022/>
- ▶ Exam: Pass/Fail, take home, 72h to complete. Minimum pass: 20/30 in maths + all IT tasks completed.

Books

You should focus on the slides I provide, but you can consult the following books/resources for more details if needed:

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

Topics

- ▶ Functions
- ▶ Calculus
- ▶ Linear algebra
- ▶ Probability theory
- ▶ Command line (bash)
- ▶ Version control with Git and collaboration on GitHub

Rules

- ▶ Questions welcome
- ▶ You may be familiar with certain parts of the material already
 - ▶ Feel free to leave anytime
 - ▶ If you decide to stay, be respectful to others
- ▶ Everything covered here will be assumed to be common knowledge during other courses