Intro and Admin

Olivér Kiss

Mathematics and Informatics Pre-session for Business Analytics

2020

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-2020/
- ▶ 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

- ▶ Questions welcome
- ▶ 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