Syllabus

CEU | Department of Economics and Business
CENTRAL EUROPEAN UNIVERSITY

Data Visualization 3: Data Visualization in Production with Shiny

- **Instructor:** Gergely Daroczi, Mihaly Orsos

- **Credits:** 1 (2 ECTS)

- **Term:** Spring 2019-2020

- **Course level:** MSc

- **Prerequisites:** Data Visualization 2: Practical Data Visualization with R, Data Engineering 4: Using R in Production

- **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 description

This course heavily relies on "Data Visualization 2: Practical dataviz with R ", and focuses on the topics the previous course introduced briefly: using Shiny to create interactive dashboards in R. Besides learning about the interactive components and how to structure such applications, you will also become familiar with deploying applications in dockerized environments using shinyproxy.io – in the cloud infrastructure, introduced in "Data Engineering 4: Using R in Production".

Learning outcomes

By the end of the course, you will be able to create interactive dashboards in R and share with others via a web browser – without the need to install R, have access to your data etc on the client's machine.

Reading list

Class materials will be available on GitHub.

Assessment

40% homework and 60% final project.

Grading Policy

Students shall not miss more than 1 day of classes, failing to do so will yield an administrative fail grade. To pass, students will need to get at least 50% of the homework AND at least 50% of the final exam.