Syllabus

CEU Department of Economics and Business

CENTRAL EUROPEAN UNIVERSITY

Data Visualization

- **Instructor: Krisztina Szűcs-Visiting Professor** (hello@krisztinaszucs.com)
- **Credits:** 1 (2 ECTS)
- **Term:** Spring 2017-2018
- **Course level:** [MSc]
- **Prerequisites:** -

Course description

This course will enable students to select the right visualization form to their data and present them in a way to engage their audience. We will learn through exercise how data visualizations work, what are the best practices and how to avoid common pitfalls. We will cover steps of the creation process and discuss the pros and cons of a number of published visualizations.

Tentative outline

1. Introduction to data visualisation.
2. Difference between data visualisation and infographic design
3. Key aspects of effective visualisation design
4. Exploratory and explanatory visualizations
5. Range of design options (chart types, colour, composition, annotation, interactivity)
6. Data visualization workflow and best practices

Evaluation

Deliverable based evaluation: The students work in groups and do exploratory research on a public dataset provided to them. On the last class, they will present their results. The grading is based on the quality of this deliverable.

Assessment

- Presentation (100%)