English:

Kursmerkblatt / Course Description (Major VWL, MEcon, MiQE/F): Title

Veranstaltungs-Vorbedingungen / Prerequisites

paragraph

Veranstaltungs-Inhalt / Course Content

Section (Header 2)

paragraph

• bulletpoint

• bulletpoint

Veranstaltungs-Struktur / Course Structure

Lectures take place in the computer lab on a weekly basis during the semester. The course is structured as follows:

1. numbered list top level

2. Web scraping: automated information extraction from websites

a. numbered list lower level

Veranstaltungs-Zusatzinformationen / Supplementary Information

Prüfungs-Informationen / Exam Information

Decentral - Term paper including documented code (individual) (80%)

Decentral - Two problem sets (each 10%)

Prüfungs-Inhalt / Content

• bulletpoint

Prüfungs-Literatur / Literature

Textbooks

Liu, Bing (2011). Web Data Mining. New York, NY: Springer.

Mitchell, Ryan (2015). Web Scraping with Python. Sebastopol, CA: O'Reilly.

Munzert, S. and Rubba, C. and Meißner, P. and Nyhuis, D. (2014). Automated Data Collection with R: A Practical Guide to Web Scraping and Text Mining. Chichester, UK: Wiley.

Russell, Mathew A. (2014). Mining the Social Web. Sebastopol, CA: O'Reilly.

Journal articles

Edelman, Benjamin (2012). Using Internet Data for Economic Research. Journal of Economic Perspectives, 26(2): 189–206.

Einav, Liran and Levin, Jonathan (2014). Economics in the Age of Big Data. Science, 346 (6210): 1243089-1–1243089-6