Universität Bremen

Fachbereich 9 - Medienstudiengänge
Department 9 - Media Courses

Kommentar zur Lehrveranstaltung im SoSe 2023
Description of seminars

Veranstalter*in: *Lecturer:*	Dr. Daria Dergacheva
Titel (dt.):	
Titel (engl.): (immer angeben)	Computational Methods in Social Science: an introduction to R in data collection and analysis

Beschreibung:
Description:

This course provides an introductory level overview of the methods used in the field of computational social science (CSS) and their real-world applications. It is suitable for students with no prior experience with CSS, and serves as an introductory course to CSS and data gathering and analysis with statistical programming platform R.

Students will learn how to access new types of data and develop skills for analyzing them in connection with research questions in communication research.

The course structure consists of two parts: in the first part, we are going to discuss opportunities, and challenges that exist in computational social science research in communication. We will look at the general overview of computational social science methods, and students will have the opportunity to present and discuss selected research in communication which uses CSS.

Further on, students will receive training in computational tools, and more specifically in the statistical programming platform R. We will go through an introduction to working with social media API, and basic text and network analysis. We will also have a brief overview of some existing no-code applications for social media data gathering and analysis.

Students will get the opportunity to collaborate and build group projects on topics of their choice using data they have collected themselves or data from existing repositories. As the course's outcome, the students should acquire basic CSS skills which they would be able to apply to their MA research projects.

Literatur:
Literature:
Basic literature (available online):
Grolemund, G. & Wickham, H. (2023) R for Data Science (2e). O'Reilly Media.
Long, J. D., & Teetor, P. (2019). R Cookbook (2nd ed.). O'Reilly Media.
Silge, J., & Robinson, D. (2017). Text Mining with R: A Tidy Approach (1st ed.). O'Reilly Media.