

How does Big Data influence democracy? - Using Data Science in Social Media

Subject area: Other subject area: Social Science

University:	TUM
Level:	BA3, BA4, MA all years
Teaching mode:	completely online, not time-specific
Instructor(s):	Prof. Dr. Yannis Theocharis

Short description

The online-course gives an introduction into the technical aspects of Data Science and Social Media for those without a deeper mathematical understanding.

Full description

Learning outcomes: How does big data influence democracy? The online-course gives an introduction into the technical aspects of Data Science and Social Media for those without a deeper mathematical understanding. Participants will gain a basic understanding of data generated in social media and machine learning mechanisms. Moreover, participants will learn how to use relevant data in application scenarios, especially in the field of political campaigning and Social Media marketing.

Learning outcomes

- understand basic mechanisms of machine learning in the study of social media & democracy
- Receive theoretical and applicable knowledge in a relevant future topic
- gain knowledge which can be used to build new business models, scientific approaches or task areas within your field of work
- understandings and insights for social scientists and the humanities in using relevant data in application scenarios

General information

Contact hours per week:	1
Total workload:	50 (in student hours for the whole course)
ECTS credits:	2
Language:	English

Course start date:	18 October 2022
Course end date:	11 February 2023
Add. info about start date:	Internet access & computer is required. A guest account for the Online platform of TUM
Weekly teaching day/time:	
Time zone:	CET (Denmark, Germany, France, Netherlands, Switzerland, Czech Republic)
Further information:	
Prerequisites:	Interest and basic understanding of technical thinking in IT-knowledge and digital democracy
Activities and methods:	Lectures, Self-study
Presence on campus:	

Final examination

Form:	assignment
Date:	
Location/format:	online
Re-sit possibility:	no
Transcript available:	
Add. info/requirements:	

Registration

To register for this course, follow the registration requirements of your **home university** as specified here: www.euroteq.eu/courses-registration.

Administration

Number of places:	
Minimum participants:	
Internal course code:	
Contact:	euroteq.incoming.zv@tum.de

This course is part of the EuroTeQ Engineering University joint course catalogue 2022/2023. This is a collaborative activity of the partner universities DTU, L'X, TU/e, TalTech, CTU, TUM as well as Technion. Students from these universities can participate in the offered courses. It is the responsibility of the student to check if you fulfil the requirements to participate in a specific course. Students are also advised to check with their home institution how to get recognition of the ECTS credits gained in courses of the EuroTeQ course catalogue. For further information about EuroTeQ Engineering University, visit www.euroteq.eu or get in touch with the above-mentioned point of contact.