

Working with Twitter Data in R

Tutor	Resul Umit, University of Oslo
Organization	Digital Skills, University of Lucerne
Language	English
ECTS-Points	2
Contact	nadia.buehler@unilu.ch
Dates and time	March 7/8 from 9.15AM-4.45PM
Content	<p>Content</p> <p>This workshop will guide you in collecting, cleaning, tidying, and analysing data from Twitter — all in the software environment R.</p> <p>Twitter has become an important data source for research; as of November 2020, a simple search for “Twitter data” returns close to 50,000 results in Google Scholar.</p> <p>Twitter data is rich (up to 90 variables for a single tweet) and plentiful (on average, 6,000 new tweets per second). As well as opportunities, this creates challenges, starting with how to collect tweets from Twitter.</p> <p>This workshop will equip you with the know-how to deal with the challenges of working with Twitter data. To do so, we will use a number of R packages — most importantly <i>rtweet</i>, <i>academictwitteR</i>, <i>tidytext</i>, and some of the packages in <i>tidyverse</i>.</p> <p>Prerequisites</p> <p>The workshop assumes basic knowledge of R programming language. If you have no experience with R, but willing to familiarise yourself with it before the workshop, please contact Resul in advance to discuss your options.</p>

	<p>Reading list</p> <p>Silge, J. & Robinson, D. (2020). <i>Text Mining with R: A Tidy Approach</i>. O'Reilly. Available at https://www.tidytextmining.com.</p> <p>Schedule</p> <p>Day 1</p> <ul style="list-style-type: none"> • Part 1. Preliminary Considerations <ul style="list-style-type: none"> ○ e.g., considering Twitter for research • Part 2. Getting the Tools Ready <ul style="list-style-type: none"> ○ e.g., downloading course material • Part 3. Data Collection <ul style="list-style-type: none"> ○ e.g., acquiring a user's tweets <p>Day 2</p> <ul style="list-style-type: none"> • Part 4. Data Preperation <ul style="list-style-type: none"> ○ e.g., creating a tidy dataset of tweets • Part 5. Data Anaysis: Users <ul style="list-style-type: none"> ○ e.g., conducting network analysis • Part 6. Data Anaysis: Tweets <ul style="list-style-type: none"> ○ e.g., conducting sentiment analysis
--	---