

## Working with Twitter Data in R

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<b>Organization</b>	Digital Skills, University of Lucerne
<b>Language</b>	English
<b>ECTS-Points</b>	2
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<b>Dates and time</b>	March 7/8 from 9.15AM-4.45PM
<b>Content</b>	<p><b>Content</b></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><b>Prerequisites</b></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 <a href="#">contact Resul</a> in advance to discuss your options.</p>

## Reading list

Silge, J. & Robinson, D. (2020). *Text Mining with R: A Tidy Approach*. O'Reilly. Available at <https://www.tidytextmining.com>.

## Schedule

### Day 1

- Part 1. Preliminary Considerations
  - e.g., considering Twitter for research
- Part 2. Getting the Tools Ready
  - e.g., downloading course material
- Part 3. Data Collection
  - e.g., acquiring a user's tweets

### Day 2

- Part 4. Data Preparation
  - e.g., creating a tidy dataset of tweets
- Part 5. Data Analysis: Users
  - e.g., conducting network analysis
- Part 6. Data Analysis: Tweets
  - e.g., conducting sentiment analysis