

Campus Luzern – A Cooperative Project of the University-Level Institutions in Lucerne

Working with Twitter Data in R

Tutor	<u>Resul Umit</u> , University of Oslo
Organization	Campus Luzern
Language	English
ECTS-Points	1 ECTS
Nos. of participants	max. 20
Content	<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>tidytext</i>, and some of the packages in <i>tidyverse</i>.</p>
Prerequisites/ Materials	<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>
Reading list	<p>Rudis, B. (2018). <i>21 Recipes for Mining Twitter Data with rtweet</i>. Available at https://rud.is/books/21-recipes/.</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>
Teaching method	This workshop is offered in English. It will take place online, via Zoom.
Charge	<p>This Campus Luzern offering is directed at researchers, post-docs, doctoral students, people interested in starting a dissertation and employees of Lucerne universities and is free of charge for these persons. For persons not affiliated with Lucerne universities, the course fee is CHF</p>

	<p>600/day.</p> <p>Certificates with the respective ECTS-Points are prepared on request (graduate.resources@campus-luzern.ch).</p>
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