

Veranstalter:	Prof. Dr. Robert Fuchs
Modul:	Advanced Data Analysis for Linguists (ENG-4, ENG-4a, ENG-10, ENG-11, AA7, AA9, LAA8, LAA11, IAA20, IAA23, IAA24, IAA25, ENGAGE-M01a, ENGAGE-M02)
Art der Veranstaltung:	Seminar II
Veranstaltungsnummer:	53-512
Zeit:	2st. Di 16–18
Raum:	Ü35-01054
Beginn:	18.10.2020

Course description:

Over the last three decades or so, linguistics as an academic discipline has come to rely on the analysis of ever-increasing amounts of data. Individual linguistic corpora, especially those involving data on English, now comprise more than 1 billion words of written data and hundreds of hours of speech. This transformation of the discipline of linguistics is part of the wider trend of the big data transformation of a range of academic fields.

This class is a continuation of the seminar 'Data Analysis for Linguists' and will introduce students to advanced methods that allow linguists to handle large amounts of data in order to answer clearly defined research questions. These methods include mixed effects regression modelling, decision trees, support vector machines and sentiment analysis. Furthermore, students may also request that particular additional methods or topics be explored in this class. Given the advanced nature of this class, it is a REQUIREMENT that students have either previously attended the class 'Data Analysis for Linguists' or can make a plausible case that they have the knowledge and skills required to follow this class.

This class will be particularly useful for students who aim to write their Bachelor's or Master's thesis in linguistics or who are working towards a PhD. All students are encouraged to contribute their own problems and data to the class, which can then be analysed jointly.

This class is open to all students from the language, literature and media division of the university (SLM I and II). While the main language of the class is English, students may make occasional contributions in German in order to facilitate communication. Students who do not take this class as a regular part of an English studies or associated degree (BA/BEd/MEd Englisch, ENGAGE, MOTION, etc.) may submit a term paper in German. They may also choose to focus on data from a language other than English.

Textbook: Levshina, N. (2015). *How to do linguistics* with R. Benjamins. (An ebook version is available through the library)

Acknowledgment: This class is part of the teaching lab project 'Data Analysis for Linguists', funded as part of the 'Digital and Data Literacy in Teaching Lab' (see <https://www.isa.uni-hamburg.de/ddlitlab.html>).

Sprechstunden im Semester:	s. Sprechstundenliste
Sprechstunden in der vorlesungsfreien Zeit:	s. Sprechstundenliste