



# Summer School

## Machine Learning for Digital Scholarly Editions

### September 21-25, 2026

#### Call for Applications

##### **Abstract:**

Machine learning is increasingly shaping research in the Digital Humanities, offering powerful tools for analyzing and enriching textual data. In this summer school, participants will use the Python library BERTopic to explore various steps of topic modeling. Building upon BERTopic's modular architecture, students will be introduced to essential machine learning techniques, such as embedding, dimensionality reduction, and clustering. Through practical sessions using historical texts, students will learn to apply, interpret, and critically assess these techniques. The aim is to give non-experts a high-level practical overview of how to use the BERTopic library and the essential theory behind its modules. The school is intended for both students and researchers with an interest in the intersection between digital scholarly editing and Machine Learning. After attending the school, participants will have a basic understanding of machine learning algorithms and be able to assess their possible applications as well as strengths and limitations. Participants will be able to practically use BERTopic on their own data.

##### **Organizers and Hosting Institution**

This one-week school will be hosted by the Department of Digital Humanities of the University of Graz in collaboration with the Institute for Documentology and Scholarly Editing (IDE).

##### **Requirements**

A basic understanding of digital editions, the Text Encoding Initiative (TEI), and Python programming is expected for participation. Participants will work with Jupyter Notebooks, Google Colab and GitHub.

##### **Fees**

There are no fees for the summer school. However, participants must arrange and cover the costs of their travel, accommodation, and meals.

##### **Application**

The school is limited to 24 participants. If you are interested in participating, please submit a letter of application including a short CV (max 2 pages) to Roman Bleier ([roman.bleier@uni-graz.at](mailto:roman.bleier@uni-graz.at)) and Martina Scholger ([martina.scholger@uni-graz.at](mailto:martina.scholger@uni-graz.at)). The deadline for submissions is 30 April 2026. The summer school committee will evaluate each application and select participants by 31 May 2026.