

Late Summer School: Machine Learning for Language Analysis



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Venue

University of Cologne
Philosophikum
Universitätsstr. 41, 50931 Cologne
Seminar room S56

Program

Session 1 (Wed/Thu): Learning Machine Learning

Lecturer: Nils Reiter (IMS, University of Stuttgart)

Time	Wednesday, September 26	Thursday, September 27
08:30	<i>Registration</i>	
09:00	Welcome address	Hands-on session
09:15	Introduction, machine learning basics	- cont'd -
10:30	<i>Coffee break</i>	<i>Coffee break</i>
11:00	Machine learning algorithms	Shared task evaluation
12:30	<i>Lunch</i>	<i>Lunch</i>
14:00	Shared task introduction	What to do next
15:30	<i>Coffee break</i>	<i>Coffee break</i>
16:00	Hands-on session	Closing discussion
17:00	<i>End of session</i>	<i>End of session</i>
19:00	<i>Social night</i> Dinner at Brauhaus Pütz	

Session 2a (Fri/Sat, parallel session): Machine Learning with Audio and Speech Data

Lecturers: Abdullah Abdullah, David Laqua (Fraunhofer IAIS)

Time	Friday, September 28	Saturday, September 29
09:00	iFinder/AudioMining (theory and examples)	Practical introduction to automatic audio segmentation
10:30	<i>Coffee break</i>	<i>Coffee break</i>
11:00	- cont'd -	- cont'd -
12:30	<i>Lunch</i>	<i>End of school</i>
14:00	- cont'd -	
15:30	<i>Coffee break</i>	
16:00	- cont'd -	
17:00	<i>End of session</i>	

Session 2b (Fri/Sat, parallel session): Deep Learning with Text Data

Lecturers: Johanna Binnewitt, Valmir Etemi, and Julia Kappes
(Institute for Digital Humanities, University of Cologne)

Time	Friday, September 28	Saturday, September 29
09:00	Introduction Workshop / DNNs	Discussion NLG
09:30	Introduction DNNs	Hands-on session NLG
10:30	<i>Coffee break</i>	<i>Coffee break</i>
11:00	Tutorial Text Classification	Discussion NLG
12:30	<i>Lunch</i>	<i>End of school</i>
14:00	Discussion Text Classification	
14:30	Introduction Natural Language Generation (NLG)	
15:30	<i>Coffee break</i>	
16:00	Hands-on session NLG	
17:00	<i>End of session</i>	

Organizational aspects

IT: All participants are asked to bring their own laptops; instructions on how to install the required software (Python, the Python package manager `pip`, as well as the python libraries `nltk` and `requests`) will be sent around. We will provide guest WiFi accounts, the login details can be found in your welcome bags.

Lunch: For Wednesday and Thursday, we will provide lunch tickets (covering one meal and one drink each) for the UoC's cafeteria (Mensa, Zülpicher Straße 70) in your welcome bag. The Mensa is located at a 10-minute walking distance from the school venue. On Friday, there will be a lunch buffet at the venue.

Social night (Wednesday, 7 PM)

Brauhaus Pütz

Engelbertstraße 67, 50674 Cologne

15-minute walk from Philosophikum /
Tram station Rudolfplatz

Selected menu with price covered by the school. Two drinks are covered, the rest needs to be paid separately.

