

Machine Learning Algorithms

Presented by Dr Ralph Rudd, Prof Ramón Prat Casanovas and Prof Petra Posedel Šimović.

Course Structure

This course runs for 10 weeks, beginning on March 13th, 2023.

The theoretical course content will be offered via online lectures for the first 7 weeks, with two 1.5 hour lectures per week. Almost all lectures take place on a Monday and a Wednesday from 14:05 until 15:35, except for Lectures 5 to 8 (inclusive) which start 30 minutes later. Please see the detailed timetable on the next page.

The practical course content, in the form of computational labs, will be offered by Vitaliy Golomoziy.

Course Content

The course content is primarily based on selected sections of “[Elements of Statistical Learning](#)” by Trevor Hastie, Robert Tibshirani and Jerome Friedman. Having access to the textbook will be helpful but is not essential for the course.

Course Links

The Zoom link for each lecture is the same and participants can join 10 minutes before any lecture starts. Any relevant course material will be shared via the Dropbox folder linked below.

Course Zoom Link: <https://eu01web.zoom.us/j/67398824596>

Course Dropbox Link: <https://www.dropbox.com/sh/jhkmzxle2xtvg7j/AACPgn8bmEcASFP7yA-CAr1-a?dl=0>

Course Timetable

2023 - KNU - Machine Learning Algorithms						
Wk / c	Date	Time (EET)	Lecturer	Sessions	Labs	
					Released	Due
Week 1	13.03.2023	14:05-15:35	Ramón	S1: Lecture 1		
	15.03.2023	14:05-15:35	Ramón	S2: Lecture 2 S3:		
Week 2	20.03.2023	14:05-15:35	Ramón	S1: Lecture 3		
	22.03.2023	14:05-15:35	Ramón	S2: Lecture 4 S3:		
Week 3	27.03.2023	14:30-16:00	Petra	S1: Lecture 5	Lab 1	
	29.03.2023	14:30-16:00	Petra Vitaliy	S2: Lecture 6 S3: Lab 1 Consultation		
Week 4	3.04.2023	14:30-16:00	Petra	S1: Lecture 7		
	5.04.2023	14:30-16:00	Petra Vitaliy	S2: Lecture 8 S3: Lab 1 Consultation		
Week 5	10.04.2023	14:05-15:35	Ralph	S1: Lecture 9	Lab 2	Lab 1
	12.04.2023	14:05-15:35	Ralph Vitaliy	S2: Lecture 10 S3: Lab 2 Consultation		
Week 6	17.04.2023	14:05-15:35	Ralph	S1: Lecture 11		
	19.04.2023	14:05-15:35	Ralph Vitaliy	S2: Lecture 12 S3: Lab 2 Consultation		
Week 7	24.04.2023	14:05-15:35	Ralph	S1: Lecture 13	Lab 3	Lab 2
	26.04.2023	14:05-15:35	Ralph Vitaliy	S2: Lecture 14 S3: Lab 3 Consultation		
Week 8				S1: S2: Vitaliy S3: Lab 3 Consultation		
Week 9				S1: S2: Vitaliy S3: Lab 4 Consultation	Lab 4	Lab 3
Week 10				S1: S2: Vitaliy S3: Lab 4 Consultation End of Course		Lab 4