



MUNICH **MISU**^{LMU}
INTERNATIONAL SUMMER
UNIVERSITY

Machine Learning and Data Analytics in Finance and Accounting (MDA)

Munich, Germany
July 27 – August 13, 2026
www.mda-misu.de



Online-Sessions July 27 – July 31
In-class Sessions August 3 – 13

Tentative Schedule



Munich 2026

Sessions: July 27 – August 13



Patronage

Prof. Dr. Thorsten Sellhorn

Institute for Accounting, Auditing and Analysis
Munich School of Management



Lecturer

Dr. Andreas Woltschläger

Professional expert and former Research Assistant
Institute for Accounting, Auditing and Analysis
at the Munich School of Management at LMU Munich



Dr. Gereon Hillert

Professional expert and former Research Assistant
Institute for Accounting, Auditing and Analysis
at the Munich School of Management at LMU Munich

Live seminar sessions

As live online tool for the courses, we will use "MS Teams":

It is not mandatory to create a LMU MS Teams account. You will receive an invitation by email before the first session for participation in class and the Zoom Client is usable in your browser.

Classroom in Munich

tba

Program

All times are stated in the CEST standard time format

Date	9:00 a.m. - 1:30 p.m.	2:00 p.m. – 6:30 p.m.
Mon, 27.07.2026 ONLINE	Introduction • Introduction to machine learning and its application in finance and accounting Readings • MG* - Chapter 1 (p. 1 – 4)	
Tue, 28.07.2026 ONLINE	Introduction to Python (1/3) • Getting ready • Python Basics for Data Science • Case – Part 1 Readings • MG* - Chapter 1 (p. 5 – 11)	
Wed, 29.07.2026 ONLINE		
Thu, 30.07.2026 ONLINE	Introduction to Python (2/3) • Importing, cleaning and merging data • Case – Part 2	Team event • Bavarian and international culture
Fri, 31.07.2026 ONLINE		
Sat, 01.08.2026 ONLINE	No class • Time to prepare student presentations	Introduction to Python (3/3) • Natural language processing • Textual Analysis • Case – Part 3 Readings • MG* - Chapter 7
Sun, 02.08.2026	Arrival in Munich	

Date	9:00 a.m. - 1:30 p.m.	2:00 p.m. – 6:30 p.m.
Mon, 03.08.2026 IN-CLASS	Machine Learning - Unsupervised machine learning - Case - Part 4 Readings - MG* - Chapter 2 (p. 25– 27)	
Tue, 04.08.2026 IN-CLASS	Machine Learning - Supervised machine learning I – Basics Readings - MG* - Chapter 2 (p. 25– 27)	
Wed, 05.08.2026 IN-CLASS	Machine Learning - Supervised machine learning II (GH) - Application - Case - Part 5 - Wrap-up & Q&A Readings - MG* - Chapter 3 (p. 131-134)	
Thu, 06.08.2026 IN-CLASS	No class Time to prepare student presentations	
Fri, 07.08.2026 IN-CLASS	Machine Learning - Supervised machine learning II - Model evaluation - Case - Part 6	Data Analytics I & II - Data Visualization - Data description - Statistical analysis - Case - Part 7 Selected topics in data analytics Summary of overall content Team event - Bavarian culture
Sat, 08.08.2026 IN-CLASS	No class Time to prepare student presentations	No class Time to prepare student presentations

Date	9:00 a.m. - 1:30 p.m.	2:00 p.m. – 6:30 p.m.
Mon, 10.08.2026 IN-CLASS	No class • Time to prepare exam	Presentations & Wrap-up 2 • Presentations on supervised and unsupervised machine learning (e.g., prediction of house price)
Tue, 11.08.2026 IN-CLASS	No class • Time to prepare exam	No class • Time to prepare exam
Wed, 12.08.2026 IN-CLASS	No class • Time to prepare exam	No class • Time to prepare exam
Thu, 13.08.2026 IN-CLASS	Exam: 12:00 – 13:00 Farewell Event	
Fri, 14.08.2026	Departure from Munich	

Note that the agenda is preliminary and may be subject to change.

References:

*** Andreas C. Müller, Sarah Guido: Introduction to Machine Learning with Python: A Guide for Data Scientists, 1st Edition - MG (Main Textbook)**

Bird, Steven; Klein, Ewan; Loper, Edward: Natural Language Processing with Python, First edition, 2009

Géron, Aurélien: Hands-On Machine Learning with Scikit-Learn and TensorFlow: Concepts, Tools, and Techniques to Build Intelligent Systems 1st Edition