LMU LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

MUNICH INTERNATIONAL SUMMER UNIVERSITY

MISU LMU MUNICH INTERNATIONAL SUMMER UNIVERSITY

Artificial Intelligence (AI) and Machine Learning: Foundations and Applications in Corporate Finance

Munich, Germany
January 2 – January 22, 2026
www.ai-misu.de



Online-Sessions January 2 – January 22

Munich 2026

Sessions: January 2 – January 22

Patronage

Prof. Dr. Thorsten Sellhorn
Institute for Accounting, Auditing and Analysis
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Lecturer

Dr. Andreas Woltschläger
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Institute for Accounting, Auditing and Analysis
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Live seminar sessions
As live online tool for the courses, we will use “MS Teams"

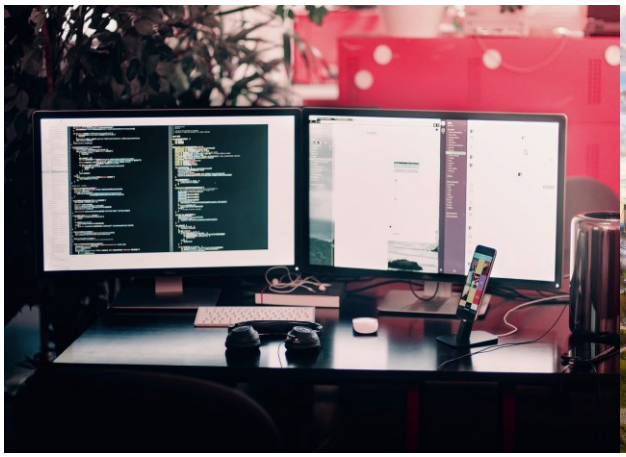
It is not mandatory to create a LMU MS Teams account. You will receive an invitation by email before the first session for participation in class and the MS Teams Client is usable in your browser.

Online Classroom

Program

All times are stated in the CEST standard time format

Date	7:00 a.m. - 10:00 a.m.	Readings
Fri, 02.01.2026 ONLINE	**Introduction** • Introduction to machine learning and its application in finance and accounting	MG* - Chapter 1 (p. 1 – 4)
Sat, 03.01.2026 ONLINE	**Introduction to Python (1/3)** • Getting ready • Python Basics for Data Science • Case – Part 1	MG* - Chapter 1 (p. 5 – 11)
Sun, 04.01.2026		



Program

All times are stated in the CEST standard time format

Date	7:00 a.m. - 10:00 a.m.	Readings
Mon, 05.01.2026 ONLINE	**Introduction to Python (2/3)** • Importing, cleaning and merging data • Case – Part 2	
Di, 06.01.2026 ONLINE	**Introduction to Python (3/3)** • Natural language processing • Textual Analysis • Case – Part 3	MG* - Chapter 7
Mi, 07.01.2026 ONLINE	**Machine Learning** • Unsupervised machine learning • Case - Part 4 • Wrap-up & Q&A	**Readings** • MG* - Chapter 2 (p. 25– 27) **Team event I** • Bavarian and international culture
Do, 08.01.2026 ONLINE	**No class** • Project work • Time to prepare	
Fr, 09.01.2026 ONLINE	**Machine Learning** • Supervised machine learning I – Basics	**Readings** • MG* - Chapter 2 (p. 25– 27)
Sa, 10.01.2026 ONLINE	**Machine Learning** • Supervised machine learning II - Application • Case - Part 5 • Wrap-up & Q&A	**Readings** • MG* - Chapter 3 (p. 131-134)
So, 11.01.2026 ONLINE		

Date	7:00 a.m. - 10:00 a.m.	Readings
Mon, 12.01.2026 ONLINE	**Machine Learning** • Supervised machine learning II - Model evaluation • Case - Part 6	
Tue, 13.01.2026 ONLINE	**No class** • Project work • Time to prepare	
Wed, 14.01.2026 ONLINE	**No class** • Project work • Time to prepare	
Thu, 15.01.2026 ONLINE	**Machine Learning** • Case - Part 6 • Wrap-up & Q&A	
Fri, 16.01.2026 ONLINE	**Data Analytics I** • Data Visualization • Data description	
Sat, 17.01.2026	**Data Analytics II** • Statistical analysis • Case - Part 7	**Team event II** • Bavarian and international culture
Sun, 18.01.2026	**No class** • Project work • Time to prepare	

Date	7:00 a.m. - 10:00 a.m.	Readings
Mon, 19.01.2026 IN-CLASS	**Presentations & Wrap-up** • Presentations on supervised and unsupervised machine learning (e.g., prediction of house price)	
Tue, 20.01.2026 IN-CLASS	**No class** • Project work • Time to prepare	
Wed, 21.01.2026 IN-CLASS	**No class** • Project work • Time to prepare	
Thu, 22.01.2026 ONLINE	**Exam: 8:00 – 9:00** **Farewell**	

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

Hillert Gereon; Woltschläger, Andreas (2019): Information content of deal communication in Europe – A machine learning approach

Hillert Gereon; Woltschläger, Andreas (2019): Operating leverage and learning from peer investment