



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

MUNICH INTERNATIONAL
SUMMER UNIVERSITY



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

Big Data Analytics and Business Intelligence

Online Winter School (BDW)
www.bdw-misu.de

January 4 – January 22, 2027

Schedule



Tools and Packages Covered



Big Data Analytics and Business Intelligence

Faculty



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 MS Teams Client is usable in your browser.

Online Classroom

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, 04.01.2027 ONLINE	Introduction <ul style="list-style-type: none">• Introduction to big data analytics and business intelligence	
Tue, 05.01.2027 ONLINE	Introduction to PowerBI <ul style="list-style-type: none">• PowerBI Basics for Data Analytics• Importing and cleaning data• Visualizing data	No class <ul style="list-style-type: none">• Project work• Time to prepare
Wed, 06.01.2027 ONLINE	No class <ul style="list-style-type: none">• Project work• Time to prepare	
Thu, 07.01.2027 ONLINE	Business intelligence and corporate finance <ul style="list-style-type: none">• M&A process and valuation framework• Data-driven financial analysis• Capital market parameters	No class <ul style="list-style-type: none">• Project work• Time to prepare
Fri, 08.01.2027 ONLINE	Data Analytics I <ul style="list-style-type: none">• Accessing financial data	
Sat, 09.01.2027 ONLINE	Data Analytics II <ul style="list-style-type: none">• Data preparation in the context of financial due diligence	
Sun, 10.01.2027		

Date	9:00 a.m. - 1:30 p.m.	2:00 p.m. – 6:30 p.m.
Mon, 11.01.2027 ONLINE	Business Intelligence I - Basic <ul style="list-style-type: none"> • Data Modeling in Power BI • Data exploration within Power BI 	
Tue, 12.01.2027 ONLINE	Business Intelligence II - Detail <ul style="list-style-type: none"> • Data Modeling in Power BI • Data exploration within Power BI 	No class <ul style="list-style-type: none"> • Project work • Time to prepare student presentations
Wed, 13.01.2027 ONLINE	No class Solving Case Study in Groups	
Thu, 14.01.2026 ONLINE	Data Visualization I: <ul style="list-style-type: none"> • Visualization of capital market parameters (e.g. stock returns, cost of capital, risk premiums) 	No class <ul style="list-style-type: none"> • Project work • Time to prepare student presentations
Fri, 15.01.2027 ONLINE	Data Visualization II: <ul style="list-style-type: none"> • Dashboarding within Power BI • Geographical analysis 	Current trends and topics in data analytics and AI <ul style="list-style-type: none"> • Practical applications of business intelligence • Current Research Papers
Sat, 16.01.2027 ONLINE	Data Visualization III: <ul style="list-style-type: none"> • Advanced Analytics and Methods • Overview machine learning algorithms including LLM 	

Date	9:00 a.m. - 1:30 p.m.	2:00 p.m. – 6:30 p.m.
Mon, 18.01.2027 ONLINE	Presentations <ul style="list-style-type: none"> • Student presentations on different Power BI topics 	
Tue, 19.01.2027 ONLINE	No class <ul style="list-style-type: none"> • Time to prepare exam 	No class <ul style="list-style-type: none"> • Time to prepare exam
Wed, 20.01.2027 ONLINE	No class <ul style="list-style-type: none"> • Time to prepare exam 	No class <ul style="list-style-type: none"> • Time to prepare exam
Thu, 21.01.2027 ONLINE	Exam: 10:15 – 11:15 Farewell Event	
Fri, 22.01.2027		

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

References:

Berk, De Marzo. Corporate finance. Peason

Sabherwal, Becerra-Fernandez, Business Intelligence: Practices, Technologies, and Management. Wiley, 2013.

Imasri/Navathe: Fundamentals of Database Systems, Pearson, 2017

Berk Demarzo, Corporate Finance, Pearson 2019

Education, 2019. Penman, Accounting for Value, Columbia Business Press 2011.