

BLENDDED INTENSIVE PROGRAM

SUMMER SCHOOL 2025

Data Analysis and Visualization in Power BI

30th June – 4th July 2025

Faculty of Management, Comenius University Bratislava, Slovakia

14th – 18th July 2025 online

5 ECTS

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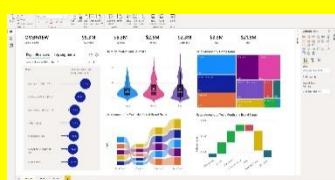
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Content of the Course:

- Overview of Power BI, Data import methods
- Basic data loading and transformation with Power Query
- Understanding the principles of data modeling
- Visualization options
- Designing dashboards and reports
- Sharing reports and dashboards, publishing reports to the Power BI Service
- Project designing

Teachers:

Zuzana Kovačičová, Diana Bednáříková
Faculty of Management, Comenius University Bratislava, Slovakia



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Arrival

You can come to Bratislava by train, bus or plane.

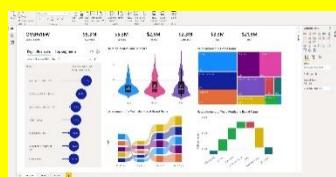
The airports you can reach Bratislava from are Bratislava and Vienna (there is a bus connection directly to Bratislava and the ride takes approx. 1 hour [Flixbus](#), [Slovak Lines](#), [RegioJet](#)).

If you want to use a taxi from Vienna airport, book in advance here
www.transportschwechat.sk.

For transportation within the city, you can use Bolt, Uber or public transportation.

<https://imhd.sk/ba/public-transport>

The summer school starts on Monday, 30th June 2025 so we advise you to come Bratislava on Sunday.



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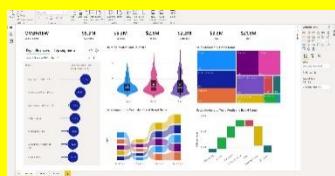
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Accommodation

Accommodation will not be provided.

You can book your stay via booking or airbnb (there are more students coming from each university so you might find a person to share your accommodation with).

There also are private dorms, you can check with them <https://www.studentresidence.sk/en/>.



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Course format

Course format: Blended intensive program

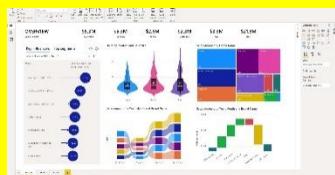
30th June – 4th July 2025 in Bratislava, Faculty of Management, Odbojárov 10

14th - 18th July 2025 online

Students need to participate in both online and physical part.

The extent of the course is 5 ECTS which will be recognized by the sending institution based on students learning agreement.

The course is open and free of charge for all students. Erasmus+ network students will get a grant for the physical stay, applications for blended mobility funding are submitted via the home institution's International Office. Students from other countries need to cover their travel, visa, accommodation, and other related costs.



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Syllabus

Students will learn about selected data processing options, data quality, spreadsheet data processing, pivot table as a basic tool, data sources, data types, facts, dimensions. Some data stories will be used to demonstrate the basic functions of the Power BI tool. Students will run special datasets, learn how to manage data in Power Query Editor in M language, use DAX language. how to create a functional data model and how to use data visualization capabilities in Power BI, how to share dashboards in Power BI or in MS Fabric.

- Overview of Power BI: Components and architecture (Power BI Desktop, Power BI Service, Power BI Mobile)
- Installation and setup of Power BI Desktop
- Data import methods: Connecting to various data sources, ETL/ELT
- Basic data loading and transformation with Power Query, M Language
- Facts, dimensions
- Understanding data modeling basics: Tables, relationships, and data types
- Creating relationships between tables in Power BI
- Visualization options: Charts, tables, and maps
- Designing dashboards and reports
- Introduction to DAX (Data Analysis Expressions)
- Creating calculated columns and measures
- Creating visualizations using sample datasets
- Customizing visuals: Formatting, colors, and interactive elements
- Filters and slicers for interactivity
- Bookmarks for storytelling in reports
- Publishing reports to the Power BI Service
- Sharing reports and dashboards
- Data refresh and scheduled updates
- Group project: Analyzing a given dataset to create a comprehensive Power BI report
- Presentation of findings and insights from the analysis
- Q&A session, additional resources for learning Power BI, ongoing projects, or real-world applications

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How to find us

Faculty of Management, Comenius University Bratislava

Address: Odbojárov 10, 820 05 Bratislava

Bus stop: Tipos Aréna (busses # 39,47,53, 60, 61, 63, 78, 163)

Tram stop: Česká (tram # 4)

<https://imhd.sk/ba/public-transport>

Contacts:

zuzana.kovacicova@uniba.sk

farska8@uniba.sk

WEB: [Summer School Data Analysis and Visualization in Power BI](#)

