

# Dortmund International Winter School on Advanced Perspectives on Data Science

14.11.2022 – 18.11.2022

Dortmund University of Applied Sciences and Arts

Emil-Figge-Str. 42, Room C.3.34

The project "**Virtual Master Cooperation Data Science**" (**ViMaCs**) aims to build a virtual learning and lab infrastructure for a digital teaching and module portfolio in the field of "Data Science".

The Winter School, based on the ViMaCs project funded by DAAD, is covering such topics as:

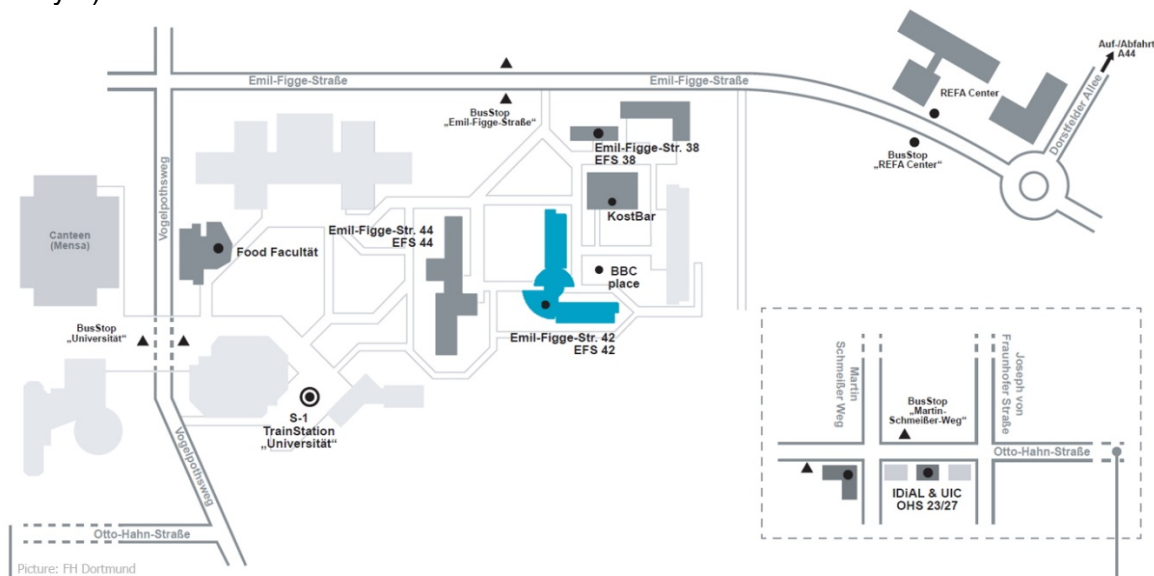
- Process-driven Approach for Big Data Acquisition and Processing
- Big Data Tools
- Python for Data Analytics
- Working with Open Data
- Model Evaluations: Main Metrics
- Communication with Clients

Students will have a possibility to apply their knowledge by solving a case study, at the end of the week the results of the teams will be presented and evaluated.

Lectures and workshops **will be taught in English**. The event is **free of charge**.

During the event you will need to work with Moodle, where you will find the needed materials for the event: <https://moodle.go-study-europe.de/course/view.php?id=1390>

The instruction on how to get enrolled in the course in Moodle and how to register (if you have no account yet) can be found in the email.



Emil-Figge-Str. 42, 44227 Dortmund

## Programme of the Winter School on Advanced Perspectives on Data Science

**Location:** Emil-Figge-Str. 42, Room C.3.34

Time	Monday, 14 November	Lecturer
09:15 - 09:30	<b>Kick-off and some Organisational Questions</b> (Announcement of the Team Members)	Stephan Recker
09:30 - 11:00	Lecture "Process-driven Approach for Big Data Acquisition and Processing"	Anatoliy Sachenko
11:00 - 12:30	Lecture "Introduction to Big Data Tools"	Natalia Myronova
12:30 - 13:30	<b>Lunch</b>	
13:30 - 14:00	<a href="#">Introduction to the case-study</a>	Dmytro Imshenetskyi
14:00 - 17:00	Teamwork (working on the case-study)	Natalia Myronova
Time	Tuesday, 15 November	Lecturer
09:00 - 12:00	Python for Data Analysis	Galyna Tabunshchuk
12:00 - 13:00	<b>Lunch</b>	
13:00 - 16:00	Teamwork (working on the case-study)	
Time	Wednesday, 16 November	Lecturer
09:00 - 10:30	Communication with Clients (part 1)	Olena Verenych
10:30 - 12:00	Model Evaluations: Main Metrics (part 1)	Nataliya Shakhovska
12:00 - 13:00	<b>Lunch</b>	
13:00 - 16:00	Teamwork (working on the case-study)	
16:00 - 17:00	<a href="#">Q&amp;A session for the case-study</a> <b>Mandatory for all teams!</b>	Dmytro Imshenetskyi
Time	Thursday, 17 November	Lecturer
09:00 - 10:30	Communication with Clients (part 2)	Natalia Yehorchenkova
10:30 - 12:00	Model Evaluations: Main Metrics (part 2)	Nataliya Shakhovska
12:00 - 13:00	<b>Lunch</b>	
13:00 - 16:00	Teamwork (working on the case-study)	
Time	Friday, 18 November	Lecturer
09:00 - 10:30	Lecture "Working with Open Data"	Pavlo Bykovyy
10:30 - 12:00	Lecture "Introduction to Cloud Big Data Tools"	Natalia Myronova
12:00 - 13:00	<b>Lunch</b>	
13:00 - 16:00	<a href="#">Presentation of the case-study results</a> (10-15 minutes for each team + feedback) <b>Mandatory for all teams!</b>	Natalia Myronova, Olena Verenych, Dmytro Imshenetskyi
16:00 - 16:15	Closing	