Data Science for Sustainable Finance and Economics 2026

Blended Intensive Programme (BIP)

Online component: 24–28 August 2026

Onsite phase: 31 August–4 September 2026

HTW Berlin
Wilhelminenhofstraße 75A, 12459 Berlin
Building C, Room 446

Industry case studies: **FICO** and **Ostrom**

Program Schedule

Virtual component: Monday–Friday (24–28.08.26)

Time	Event
Mon 24.08	Welcome, introduction to the Summer School and team/project organisation; overview of sustainable finance and economics.
Tue 25.08	**FICO case study – online introduction**: business problem, dataset, research question, expected output and Q&A. **Ostrom case study – online introduction**: energy-market context, dataset, research question, expected output and Q&A.
Wed 26.08	Preparatory input: data science workflow, reproducible analysis, and optimisation / machine-learning methods for the case studies.
Thu 27.08	Team formation, data familiarisation, first exploratory analysis, questions to case-study partners and preparation for the onsite week.
Fri 28.08	Team formation, data familiarisation, first exploratory analysis, preparation for the onsite week.

Monday (31.08.26)

Time	Event
08:30 - 09:00	Registration and technical check
09:00 - 09:15	Greetings and welcoming remarks
09:15 - 10:30	**Introduction to Sustainable Finance** Prof. Dr. Jan-Alexander Posth | ZHAW
10:30 - 10:45	Coffee Break
10:45 - 12:15	**Portfolio Optimization Strategies** Prof. Dr. Daniele Mancinelli | Politecnico di Milano
12:15 - 13:15	Lunch (Mensa HTW Wilhelminenhof)
13:15 - 14:00	**Measuring the Unmeasurable: Biodiversity as a Value Driver in Real Estate Portfolios** Dr. Martin Schnauss | ZHAW
14:00 - 14:45	**Deutsche Bank Technology, Data & Innovation – Berlin Technology Centre** Evan De-Riel, Lilia Valeyko, Sercan Gelincik | Deutsche Bank
14:45 - 15:15	Coffee Break
15:15 - 16:15	**Mathematical Optimization, FICO Xpress and Financial Applications** Dr. Timo Berthold, Dr. Bruno Viera | FICO
16:15 - 17:00	Project Work in groups
17:00 - 18:00	Icebreaker Activities
18:00 - 21:00	Welcome dinner for all participants at HTW (BBQ, G007)

Tuesday (01.09.26)

Time	Event
09:00 - 09:45	**Electricity Market Fundamentals and Price Formation** Prof. Dr. Christina Erlwein-Sayer | HTW Berlin
09:45 - 10:45	**Power Markets – Trading and Hedging a Retail Electricity Portfolio** Dr. Helio Quintanilha Jr. | Ostrom
10:45 - 11:15	Coffee Break
11:15 - 12:45	**Electricity Load Profiles, Procurement and Hedging for Retailers** Prof. Dr. Denis Becker | NTNU
12:45 - 13:45	Lunch
13:45 - 14:30	**Introduction to Financial Data Providers: The LSEG Platform** Dr. Alla Petukhina | HTW Berlin
14:30 - 15:15	**Day-Ahead Forecasting for Redispatch Measures Using Machine Learning Models** Prof. Dr. Daniel Traian Pele | Bucharest University of Economic Studies
15:15 - 15:45	Coffee Break
15:45 - 17:30	Project Work in groups

Wednesday (02.09.26)

Time	Event
Morning	Project Work in groups
12:30 - 13:30	Lunch
15:00 - 18:15	Boat Tour and guided Tour to Berliner Reichstag

Thursday (03.09.26)

Time	Event
09:00 - 11:00	Project Work in groups
11:00 - 12:30	First short presentation and feedback
12:30 - 13:30	Lunch
13:30 - 14:15	**Divergence and Aggregation of ESG Ratings: A Survey** Prof. Dr. Arianna Agosto | University of Pavia, Prof. Dr. Alessandra Tanda | University of Insubria,
14:15 - 14:45	**From Prompt to Productivity: AI in the Modern Workplace** Andrew Rosenwie, Fabian Breitner | KPMG
14:45 - 15:30	Coffee Break
15:30 - 17:00	Project Work in groups

Friday (04.09.26)

Time	Event
09:00 - 10:30	Final project work and presentation preparation
10:30 - 11:00	Coffee Break
11:00 - 12:30	**Final Presentations – FICO Case Study Teams**
12:30 - 13:30	Lunch
13:30 - 15:00	**Final Presentations – Ostrom Case Study Teams**
15:00 - 15:30	Wrap-up, group picture and closing remarks