

Workshop

# Teaching Data Science for Non-Data Scientists and Data Ethics for Non-Ethicists

August 19-20, 2021

Hertie School, Berlin

## The workshop

This workshop, which is sponsored by APSIA, the Association of Professional Schools of International Affairs, brings together academic instructors from data science and philosophy to address neglected issues on both sides of the data science curriculum. The workshop facilitates a knowledge exchange and aims to thereby improve teaching strategies, develop teaching materials and reflect on the topical priorities. All participants in the workshop teach their subject to outsiders of their field. But all are united in the belief that to train the next generation of data science practitioners and researchers, we need to develop ways of teaching data science and data ethics that integrate “the other side of the picture”.

Over two afternoons, we will discuss how to teach applied ethics for non-ethicists and data science for non-data-scientists. We will focus on key materials and topics for both areas, scenarios, and case studies.

## Organizers

Johannes Himmelreich: [jrhimmel@syr.edu](mailto:jrhimmel@syr.edu)  
Simon Munzert: [munzert@hertie-school.org](mailto:munzert@hertie-school.org)

## Workshop program

7pm Wednesday, August 18: *Welcome Dinner at Mana Restaurant, Merseburger Str. 15, 10823 Berlin*

### Day 1: Thursday, August 19 | Room 2.34

11.45pm—12.00pm Registration

12.00pm—1.00pm *Lunch at Hertie*

1.00pm—1.20pm Welcome and introduction

#### Teaching and training in data ethics

1.20pm—2.05pm **Johannes Himmelreich (Maxwell School, Syracuse University)**  
Two Models of Data Ethics

2.05pm—2.50pm **Marco Meyer (University of Hamburg) and Ted Lechterman (University of Oxford)**  
Insights from Developing a Course for the Certified Ethical Emerging Technologist Certificate

2.50pm—3.20pm *Long coffee break*

#### Teaching and training in data science

3.20pm—4.05pm **Simon Munzert (Hertie School)**  
First Things First: Teaching the Fundamentals of the Data Science Pipeline

4.05pm—4.50pm **Gregory Wheeler (Frankfurt School of Finance & Management)**  
A Path to Procedural Literacy

4.50pm—5.00pm *Short coffee break*

5.00pm—6.00pm **Facilitation round**  
What do we teach? Whom do we teach? What do we teach for?  
(Mixed groups)

6.30pm *Dinner at Savory Chai, Kronenstr. 70, 10117 Berlin*

## Day 2: Friday, August 20 | Room 2.34

12.00pm—1.00pm *Lunch at Hertie*

**Insights from data science and ethics teaching**

1.20pm—2.05pm **Fabian Gölzau (Humboldt University of Berlin)**  
Big Data, Big Problems? Insights from Teaching Web Scraping

2.05pm—2.50pm **Kate Vredenburg (London School of Economics)**  
Syllabus and Activities from an Executive Education Course

2.50pm—3.00pm **Sebastian Köhler (Frankfurt School of Finance & Management)**  
Teaching “AI & Humanity: The Ethics of Data Science”

2.50pm—3.00pm *Short coffee break*

3.00pm—4.00pm **Facilitation round**  
Rapid prototyping of a data science / ethics teaching module  
(Split groups)

4.00pm—4.45pm **Johannes Himmelreich (Maxwell School, Syracuse University)**  
Teaching Moral Reasoning with the Trolley Problem

4.45pm—5.00pm *Short coffee break*

5.00pm—6.00pm **Facilitation round**  
How should we teach data science and ethics for “the other side”?  
(Joint session)

6.00pm *Farewell, end of workshop*

## General Information and Venue

### Organizers

Simon Munzert, munzert@hertie-school.org, +49-176-65311823

Johannes Himmelreich, jrhimmel@syr.edu, +49-176-69387169

### Location

The workshop will be held at the Hertie School, Friedrichstraße 180, 10117 Berlin.

Please enter the building at the main entrance, Friedrichstraße/Taubenstraße, and check in at the reception on the second floor (which is “1. OG” in Germany).

We meet in **Room 2.34**, which is on the third floor (2. OG).

### COVID regulations

Due to the ongoing pandemic, special precautions must be taken to avoid infection. Participation in the workshop is only possible with a vaccination certificate or a negative test result that is not older than 24 hours. Wearing FFP2 or equivalent face masks is required in the building. During the event, please make sure to maintain physical distance from other participants.

### Hotel options

If you need accommodation, here are some good and reasonably priced addresses within walking distance of the Hertie School:

- **Select Hotel**, Charlottenstraße 66, 10117 Berlin, <https://www.select-hotels.com/hotels/select-hotel-berlin-gendarmenmarkt/>
- **art'otel Berlin Mitte**, Wallstraße 70-73, 10179 Berlin, <https://www.radissonhotels.com/en-us/hotels/artotel-berlin-mitte>
- **Motel One**, Leipziger Platz 12, 10117 Berlin, <https://www.motel-one.com/hotels/berlin/hotel-berlin-potsdamer-platz/>
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### Lunch options

If you happen to be around before or after the workshop, here are some good and reasonably priced options to have lunch in walking distance of the Hertie School:

- **Chupenga**, Mohrenstraße 42. Burritos and salads. <http://chupenga.de/>
- **Nanoosh**, Mohrenstraße 50. Mediterranean fast casual. <https://www.nanoosh-germany.de/>
- **Augustiner am Gendarmenmarkt**, Charlottenstraße 56. Bavarian-style beer hall. <http://www.augustiner-braeu-berlin.de/>