



## Artificial Intelligence: From Data to Value Creation, 1 Day "Demystification" [QS-28] NEW

### Specifications

#### Location:

SDSC HQ at Campus Biopôle Epalinges

#### Target audience for the 1-day course:

R&D Managers and Team Leaders

#### Target audience for the 2-day course:

Students intending enter industry and Scientists in R&D

#### Sessions:

- Day 1 "**Demystification**", up to 50 ppl, management-focused

### Agenda Day 1

8:45 –9:00

Intro to SDSC and its mission

9.00 -10.30

Theory of PredictiveAI -Key concepts and algorithms

10:30 -10:45

Break

10:45 –12:00

AI governance - Ethics & Legal - Bias mitigation, Explainability

12:00 –13:15

Lunch break

13:15 -14:00

Applications of PredictiveAI -Example of real use cases

14:00 –15:30

Theory of Generative AI -Demystification -Prompt engineering -Agentic systems

15:30 –15:45

Break

15:45 –16:30

Applications of AI -Example of real use cases

16:30 -17:00

ML Engineering and Operations

- Day 2 "**Applications of AI**" up to 30 ppl, scientist-focused

### Agenda Day 2

9:00 –10:45

Hands-on PredictiveAI -Brief reminder of key concepts -Hands-on: train a toy supervised-learning model

10:45 –11:00

Break

11:00 –12:00

Canvassing Exercise -Define and discuss realistic AI project

12:00 –13:15

Lunch break

13:15 –15:00

Hands-on Generative AI –part 1 -Brief reminder of key concepts -Hands-on: Extraction of structured information from text document

15:00 –15:30

Break

15:30 -16:45

Hands-on Generative AI –part 2 -Brief reminder of key concepts -Hands-on: RetrievalAugmented Generation and Agentic AI

16:45 -17:00

Conclusion

**Day 2 (hands-on):**

- Coding skills are nice to have, but not required (platform Renkuwith Python coding)
- Participants will need to have a laptop and a Wi-Fi connection. No need to install software before or during the workshop

**Course language:**

English

***Your registration is for Day 1 "Demystification" from 12.11.2026***

***About the Swiss Data Science Center (SDSC)***

The Swiss Data Science Center (SDSC) is a national research infrastructure in data science and artificial intelligence (AI). Its mission – to enable data-driven science and innovation for societal impact – drives its initiatives in research projects, knowledge and technology transfer, and education. More information: [www.datascience.ch](http://www.datascience.ch)

## Termin Eigenschaften

Datum	12.11.2026 09:00 - 12.11.2026 17:00
aktuelle Teilnehmer	1
Einzelpreis	
Kurssprache	English
Ort	<a href="#">ETH Zürich</a>

