Schedule

The week of the TU Austria Data Science Summer School 2022 will consist of morning lectures and afternoon hands-on workshops. It will cover foundational topics of machine learning and applications in various technical areas. We start with an optional get-together on Sunday evening and are also planning an outdoor excursion on Wednesday, which will conclude with dinner.

The expected arrival in Leoben, Austria is Sunday, July 3\textsuperscript{rd} 2022.

Monday, July 4\textsuperscript{th}

09.00 AM – 10.30 AM  Intro Machine Learning: Performance measures & testing
Coffee break
11.00 AM – 12.30 PM  Introduction to Python for Machine Learning
Lunch break
2.00 PM – 5.30 PM  Workshop: Machine Learning with Python (incl. coffee break)

Tuesday, July 5\textsuperscript{th}

09.00 AM – 10.30 AM  Intro Machine Learning: Data preparation & CNNs
Coffee break
11.00 AM – 12.30 PM  Deep Learning with Python
Lunch break
2.00 PM – 5.30 PM  Workshop: Deep Learning (incl. coffee break)
Wednesday, July 6th
09.00 AM – 10.30 AM  Information, knowledge & understanding
Coffee break
11.00 AM – 12.30 PM  Autoencoders for physical systems
Lunch break
2.00 PM – open end  Excursion
Dinner

Thursday, July 7th
09.00 AM – 12.30 PM  Machine Learning in robotics (incl. coffee break)
Lunch break
2.00 PM – 5.30 PM  Workshop: Robotics (incl. coffee break)

Friday, July 8th
09.00 AM – 12.30 AM  Machine Learning in Materials Science (incl. coffee break)
Lunch break
2.00 PM – 5.30 PM  Open lab (incl. coffee break)

All information given is subject to change.