Contribution ID: **25**   Type: **not specified**

Advanced: Introduction to Interpretable Machine Learning

Thursday 22 September 2022 14:00 (4 hours)

During this course participants will get an introduction to the topic of Explainable AI (XAI). The goal of the course is to help participants understand how XAI methods can help uncover biases in the data or provide interesting insights. After a general introduction to XAI, the course goes deeper into state-of-the-art model agnostic interpretation techniques as well as a practical session covering these techniques. Finally, we will focus on two model specific post-hoc interpretation methods, with hands-on training covering interpretation of random forests and neural networks with imaging data to learn about strengths and weaknesses of these standard methods used in the field.

→ **Register here** ←

Target audience

Any

Maximum number of participants

50

Previous experience

Attended course Introduction to Machine Learning and Introduction to Deep Learning (or relevant experience)

Learning target

Participants will gain an understanding and practical experience of classic interpretability methods for Machine Learning and Deep Learning

Presenters: BUKAS, Christina (Helmholtz AI); CEA, Donatella (Helmholtz AI); GEORGII, Elisabeth (Helmholtz AI); MERDIVAN, Erinc (Helmholtz AI); SUBRAMANIAN, Harshavardhan (Helmholtz AI); PELIN, Helena (Helmholtz AI); HOFFMANN, Helene (Helmholtz AI); MEKKI, Isra (Helmholtz AI); BARROS DE ANDRADE E SOUSA, Lisa (Helmholtz AI); VALIZADEH, Mahyar (Helmholtz AI); PIRAUD, Marie (H.AI/ HMGU); UMER, Rao Muhammad (Helmholtz Munich); STARKE, Sebastian (Helmholtz AI)

Session Classification: Workshops (Helmholtz AI)

Track Classification: Expert track/Advanced