

AI and Machine Learning Explainability for diverse audiences.

Supervision team

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Research project

One of the main issues with machine learning algorithms is that they are black boxes to human users. It is difficult to make sense of why a machine learning approach has provided a particular result as output. A self-funded PhD student would investigate how to make such models accessible to humans and diverse user groups. Through visualisation techniques, we will help open the black box of the model to understand training and/or predictions. Applicants could help shape the project in this domain. We are also interested in understanding the learning dynamics at a large scale neural networks using novel visualisation approaches.

More generally, I am interested in visualisation problems, especially on large screens, for diverse user groups.



Applicant skills/background

This project requires good programming skills, especially in terms of computer graphics, HCI or visualisation. Machine learning can be picked up on the project

References