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Explainable Machine Learning

Exercise 1

- 1. What is the meaning of explainable machine learning?
- 2. Why do we need to understand the decision-making mechanism of a machine learning algorithm?
- 3. What are the differences between explainable models and interpretable models? (give two examples for each type.)
- 4. What are the differences between global explainability methods and local explainability methods? (give two examples for each type.)
- 5. What are the differences between model-agnostic methods and model-specific methods? (give two examples for each type.)
- 6. What are the differences between Ad-hoc methods and post hoc methods?
- 7. What are the differences between data modality agnostic methods and data modality specific methods?

^{**} Please upload your solution to the course page in the ecampus within a week. if you have any questions, don't hesitate to get in touch with me at aemam@uni-bonn.de