

Description:

Find a tabular dataset and a corresponding machine learning model implementation (that you find interesting) from online sources like Kaggle or GitHub. Ensure that the dataset is publicly accessible and that the chosen model is designed for either classification or regression tasks. The goal of this assignment is to interpret the model's predictions and explain the model's decision-making process.

Requirements:

Apply a minimum of three distinct interpretability techniques to explain the model predictions. Compare the results and discuss the advantages and disadvantages of each technique.

Formal requirements include:

- Select one inherently interpretable model and one "black-box" model for implementation. Evaluate and compare the model predictions using relevant evaluation metrics.
- Provide thorough documentation of your project, including a discussion of your findings.

Deadline: May 13th, 2024, 23:59

The files (jupyter notebook) must be uploaded to IESEG-online. In case there are issues with the website (e.g. file size) you can submit your assignment by email to p.borchert@ieseg.fr