Technical Requirements

The technical requirements for Project 2 are as follows.

- ☐

  Create a Jupyter Notebook, Google Colab Notebook, or Amazon SageMaker Notebook to prepare a training and testing dataset.
- ☐

  Optionally, apply a dimensionality reduction technique to reduce the input features, or perform feature engineering to generate new features to train the model.
- ☐

  Create one or more machine learning models.
- ☐

  Fit the model(s) to the training data.
- ☐

  Evaluate the trained model(s) using testing data. Include any calculations, metrics, or visualizations needed to evaluate the performance.
- ☐

  Show the predictions using a sample of new data. Compare the predictions if more than one model is used.
- ☐

  Save PNG images of your visualizations to distribute to the class and instructional team and for inclusion in your presentation and your repo's README.md file.
- ☐

  Use one new machine learning library, machine learning model, or evaluation metric that hasn't been covered in class.
- ☐

  Create a README.md in your repo with a write-up summarizing your project. Be sure to include any usage instructions to set up and use the model.

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