Project Topic Proposal

For my term project I intend to use a [Stellar Classification Dataset](https://www.kaggle.com/datasets/fedesoriano/stellar-classification-dataset-sdss17/data) to classify entities in outer space such as stars, quasars, and galaxies with several techniques and compare the results of each. Specifically, I will select 3 or more classifiers to use for predictions such as k-Nearest Neighbors, Naïve Bayes, and Random Forest, find a relatively accurate set of hyperparameters for each classifier using the training data set, then compare the accuracy of each classifier using its optimal parameters for predicting the classes of stellar objects in the test data set.

Full link to the data set: <https://www.kaggle.com/datasets/fedesoriano/stellar-classification-dataset-sdss17?resource=download>