Capstone 2 Project Proposal

Problem Statement -- We are given Absolute Magnitude and B-V Color Index of stars. Using those features, can we predict whether the star is a Giant or Dwarf with precision?

Context -- The dataset contains many numerical and categorical features that will help with classification of stars. This is all the data we have. This is a 'beginner' dataset that is well filled out and contains few if no NaN values. This should make it easier to apply many models to the data.

Criteria for success -- Successful application of +-10 models with satisfactory precision.

Scope -- We will stay within the range of the dataset and use only those features.

Stakeholders -- Jean Armenier, Devin Cavagnaro, and future employers.

Data sources -- Kaggle, Star Dataset: Stellar Classification, https://www.kaggle.com/vinesmsuic/star-categorization-giants-and-dwarfs