**CP322 Project Proposal**

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**Group Members**

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**Project Title**

Real Estate Valuation Predictor

**Project Objectives**

1. **Goals of the project:**

To predict the value of a piece of real estate and how the monetary value has a correlation to how big of a property can be purchased.

1. **List benefits/outcomes of the project:**

Help potential sellers/buyer decide the value on a piece of real estate

1. **What kind of ML problems to be considered (Regression, Clustering, Classification, etc):** Regression
2. **ML algorithms to be used (can change later on in the project):**

Linear Regression, Decision Tree, Support Vector Regression, Lasso Regression, Random Forest

1. **ML tools and libraries required (Pandas, Scikit Learn, matplotlib, etc):**

* Numpy
* Scipy
* Scikit-learn
* Theano
* TensorFlow
* Keras
* PyTorch
* Pandas

**Dataset Link**

The dataset can be found here: <https://archive.ics.uci.edu/ml/datasets/Real+estate+valuation+data+set>

**References for the Dataset**

Yeh, I. C., & Hsu, T. K. (2018). Building real estate valuation models with comparative approach through case-based reasoning. Applied Soft Computing, 65, 260-271