SYNOPSIS

Housing Prices Evaluation Model

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**Project Description**: The target variable is the median house value prediction for California districts, expressed in hundreds of thousands of dollars ($100,000).

We strive to obtain the median house value for the California district, as median prices are a useful tool for understanding the price changes of properties that have transacted in a market. Furthermore, the median is more accurate than the average because it is less affected by a few unusually high or low sale prices.

**Algorithm Used**: Model Q Learning, Ridge Regressor, Forest Ridge Regressor, Correlation Model

**Data** — California Housing Dataset https://scikit-[learn.org/stable/modules/generated/sklearn.datasets.fetch\_california\_h](https://scikit-learn.org/stable/modules/generated/sklearn.datasets.fetch_california_housing.html) [ousing.html](https://scikit-learn.org/stable/modules/generated/sklearn.datasets.fetch_california_housing.html)

**Expected Output**: We aim to evaluate our model based on various parameters like coefficient of determination, cross-validation score, mean absolute error etc. We aim to successfully predict the Median House Values as the label from the other descriptive columns we use as features.