***Lab 11***

The multiple linear regression model using all features achieved moderate predictive performance, with an R-squared of 0.6009 and mean squared error of 0.5350. The 'MedInc' (Median Income) feature had a strong positive correlation and contributed significantly to the model's predictive accuracy. 'HouseAge,' 'AveRooms,' and 'Latitude' also exhibited positive correlations, but not a huge extent. On the other hand, features like 'AveBedrms,' 'Population,' 'AveOccup,' and 'Longitude' had minimal impact on the model's predictive power. Overall, the analysis highlights the importance of the 'MedInc' feature in predicting housing prices, while the other features showed varying degrees of influence on the performance of the multiple linear regression model on this dataset.

A screenshot of a computer program

Description automatically generated