**Housing Price Prediction Project - Meeting Log**

**Date:** February 14, 2025 **Phase:** Model Development & Baseline Implementation

**Key Points**

* RMSE and MAE as primary metrics
* Develop ensemble approach
* Use cloud computing resources

**Discussion Summary**

Baseline results: Linear Regression, Ridge, Decision Tree. Will implement KNN, SVR, Random Forest, Gradient Boosting, and Neural Networks. Location features dominate importance analysis.

**Model Performance (Baseline)**

* Linear Regression: RMSE evaluation completed
* Ridge Regression: RMSE evaluation completed
* Decision Tree: RMSE evaluation completed

**Evaluation Metrics**

* Primary: RMSE, MAE
* Secondary: MAPE (Mean Absolute Percentage Error)

**Next Steps**

* Implement and benchmark multiple regression models
* Set up cloud computing environment for model training
* Develop feature importance analysis framework
* Create visualization dashboard
* Prepare individual EDA reports
* Begin planning for machine learning model comparisons