Project Proposal

House Price Prediction in Milwaukee

Project Team:

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Project Overview:

This project aims to develop a predictive model for house prices in Milwaukee, using a dataset of historical house sales data. The dataset includes information such as the district, exterior material, number of bedrooms, number of bathrooms, and month of sale.

Project Goals:

- Describe the dataset and all the variables that will be used for the model
- Develop and evaluate a regression model to predict house prices in Milwaukee
- Identify the key factors that influence house prices in Milwaukee
- Provide insights into the Milwaukee housing market

Project Methodology:

Data exploration and preparation: The dataset will be explored and cleaned to identify any outliers or missing values. The data will also be transformed into a format that is suitable for modeling.
Model selection: A variety of regression models will be considered for the analysis, including linear regression, logistic regression, and decision trees. The best model will be selected based on its performance on a held-out test set.*
Model evaluation: The selected model will be evaluated on its ability to predict house prices accurately. The evaluation metrics will include mean squared error, R-squared, and adjusted R-squared.
Model interpretation: The coefficients of the selected model will be interpreted to identify the key factors that influence house prices in Milwaukee.