Project Room 1

Team

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When to work on projects:

Project

Housing Market Prediction of Home Values to Decrease from 2023 to 2024 (in quarters if possible) (timeseries as Jonathon suggested but was not covered in class)

Should people sell now or hold and sell in future.

Possible Backup plan:

Choose a particular city/state- and make a market prediction based on housing data.

Prediction of future homebuyers and will First time Homebuyers be purchasing homes

Data Sets

If original Is possible will be using redfin data or zillow.

<https://www.kaggle.com/datasets/shree1992/housedata>

downloaded csv file with all home detail narrowed to specific citi

Extra data sets

<https://www.redfin.com/news/data-center/>

<https://www.kaggle.com/datasets/vincentvaseghi/us-cities-housing-market-data>

<https://fred.stlouisfed.org/series/HOSMEDUSMWM052N>

<https://www.zillow.com/research/data/>

<https://www.fhfa.gov/DataTools/Downloads/Pages/House-Price-Index-Datasets.aspx>

Regions if needed for project.

A map of the united states

Description automatically generated

Redfin usage

## Guidelines for Using this Data

You are welcome to use this data for your own purposes, we just ask that you cite the source. Please include proper citation and link to [Redfin](https://www.redfin.com/) for the first reference on a page, post, or article.

For example:

* According to [Redfin](https://www.redfin.com/), a national real estate brokerage, …
* Data provided by [Redfin](https://www.redfin.com/), a national real estate brokerage.

ML (Logistic Regression) Binary

Tableau ( Primary source )

Pandas/Matplotlib

MongoDB

10 Minutes Presentation

Information on housing :

Mortgage Rates and effect on market values

New Construction vs Existing

Migration Patterns - <https://www.redfin.com/city/30410/NY/Northeast/housing-market>

Type of home and How the reacting to the markets ( SFD, Multifamily, Condo Co/Op Townhouse)

Predicting (ML) Target Median Price

2008 Data possible condition to now

Regional Location: ( Exp: West East )

By Dates ( years ( what dates )