

Problem Statement and Goals

Real Estate Indicator

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Table 1: Revision History

Date	Developer(s)	Change
Jan 26, 2023	Runze Zhao	First draft

1 Problem Statement

1.1 Problem

Economic subjects are always important parts of people's lives, specially during the ongoing recession period. People focus more and more on the behavior of different economic markets. Better understand of the relations between market indicators and how they impact daily lives is critical. Real estate market is one of the most important indicator of how well the current economic is and it is close to everyone's daily life. This software is used to understand and predict the trend of Real estate market and evaluate the stability of the current market.

1.2 Inputs and Outputs

1.2.1 Inputs

- Different economic index such as CPI, Unemployment rate and GDP
- Datasets of current Real estate market, sales, average price etc

1.2.2 Outputs

- Prediction of percentage of short-term market change regarding number of sales and average price
- Evaluation of the stability of current market

1.3 Stakeholders

- Real estate brokers and agents
- Economist

1.4 Environment

The software can be deployed on any OS

2 Goals

The software will give people better understand of current and future Real estate market

3 Stretch Goals

Give prediction of long term Real estate market change