

Top 5 places for real estate investment

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About the project

Short term investments

- Focus on realizing profits within a short period of time
- Expect to sell in April 2021

Investment Strategy

- Development
- Fix and Flips

Data

locations

- 51 states
- 7754 cities
- 14723 zip codes

Time periods

- April 1994 ~ April 2018
- 265 months of average house prices in each zip code



Investment Risks Considered

Unpredictability of the market

- No guarantee for making profit

Bad Locations

- Determine the supply and the demand
 - Appreciation

Lack of Liquidity

Ability to access the money within an investment

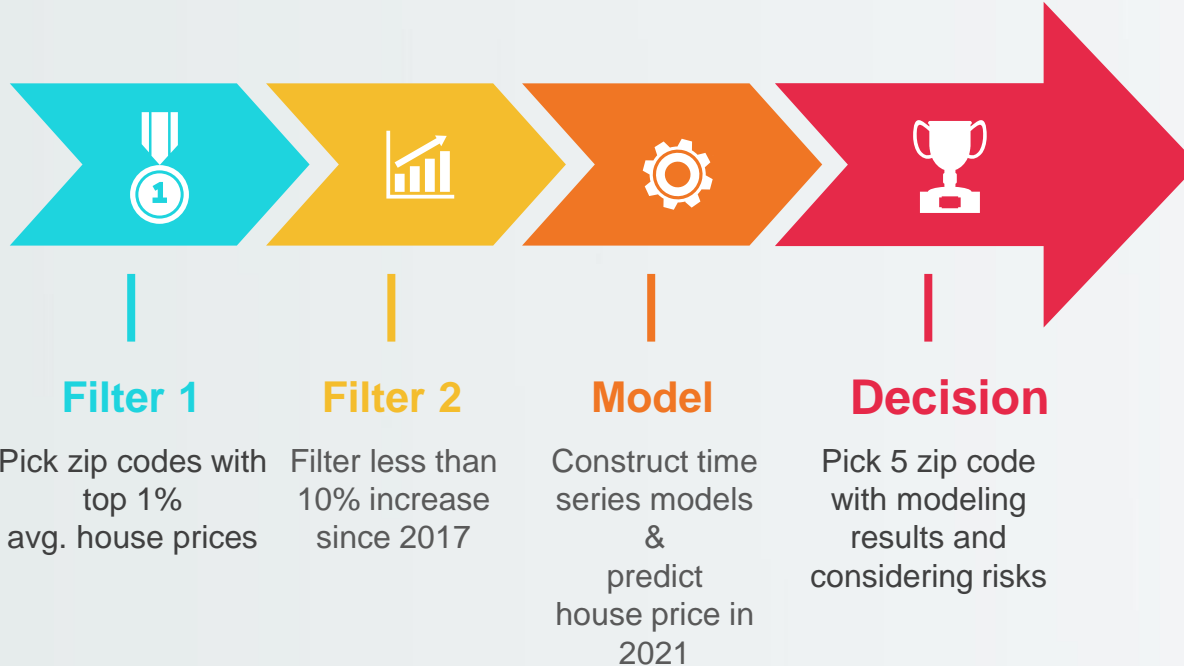
Time series modeling



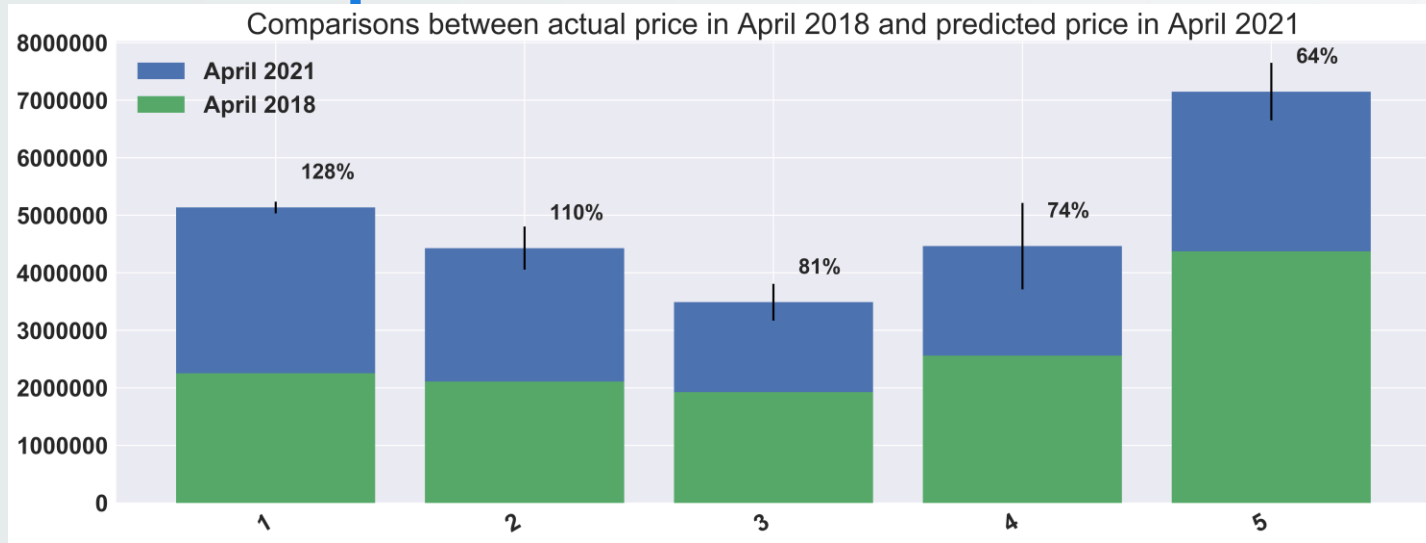
Technique to predict future house price based on the changes from the past



Decision Process



Best places for investment



1 Zip Code: 94041 (Mountain View, CA)

2 Zip Code: 95129 (San Jose, CA)

3 Zip Code: 94086 (Sunnyvale, CA)

4 Zip Code: 94025 (Menlo Park, CA)

5 Zip Code: 94022 (Los Altos, CA)

Future Direction

Understand the strength and the limitation of modeling

- Good for short term
- Good for narrowing down our options
- Only based on the history of the price changes
- Results depend on how far history to include in a model

Market Research

- Domain knowledge on factors influence housing markets
- Events in the past that affected overall house prices (ex. Housing loan bubble)

Remodeling

- Update our model with more knowledge



Thank you!

