

Jennifer Ha November 1, 2021

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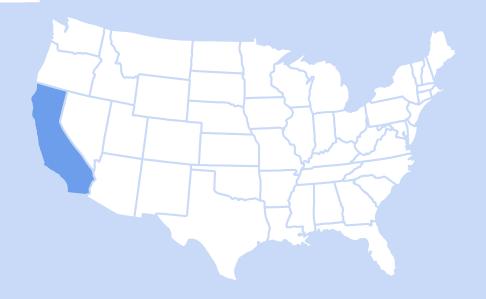
**Recommendations** 



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#### **Business Problem**





The goal of this analysis is to build time series models to predict **top 5 zipcodes** in California with highest ROI.

## <u>Data</u>

14,723

Total # of zipcodes in the dataset

#### **April 1994 - April 2018**

Contains ~20 years of mean housing value data

## **Methods**

#### **Quartile**

Between 30% - 70%

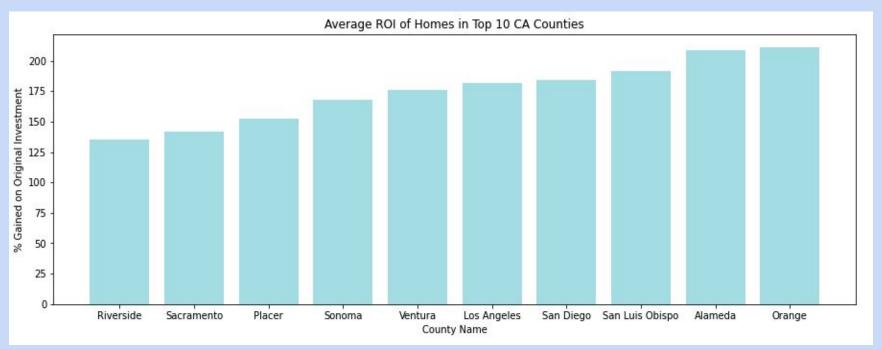
#### **Risk Profile**

Coefficient of Variation and built risk profile (~ <60%)



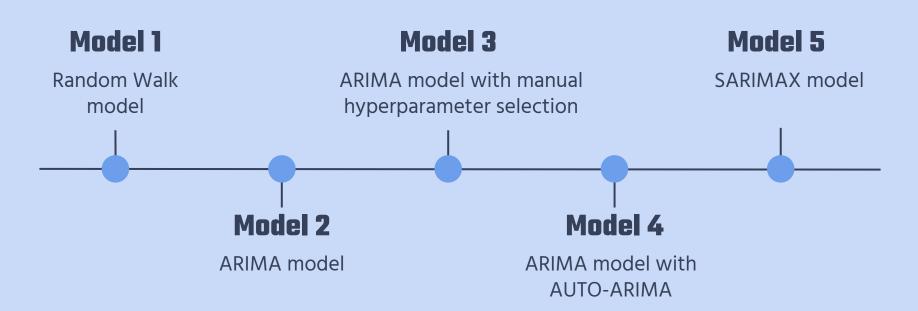
### **Results**

 Top 10 Counties with highest average ROI between 1994-2018 before modeling



## **Methods (Modeling)**

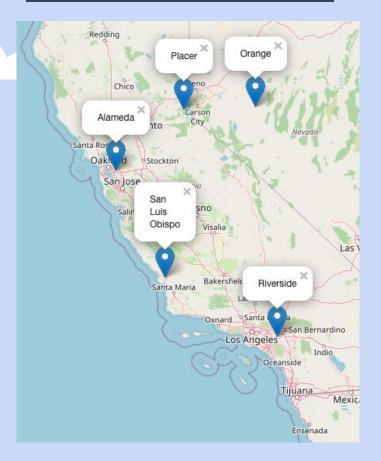




# **Results**

	1 year	3 years	5 years	10 years
91754 (Orange)	2.94%	8.74%	14.42%	27.90%
92860 (Riverside)	2.81%	4.25%	4.45%	4.49%
96141 (Placer)	9.06%	26.99%	44.99%	89.22%
93405 (San Luis Obispo)	2.01%	3.55%	3.95%	4.08%
94546 (Alameda)	3.19%	9.50%	15.72%	30.62%

### **Recommendation**



- 91754 (Orange)
  Buy and hold for at least 10 years.
- 92860 (Riverside)
  Buy and hold for at least 3 years.
- **96141 (Placer)**Buy and hold for at least 10 years.
- 93405 (San Luis Obispo)
  Buy and hold for at least 3-5 years.
- 94546 (Alameda)
   Buy and hold for at least 10 years.

### **Next Steps**

#### 1. Updated Data

Add more recent data to increase the effectiveness of the model

#### 2. Additional Contributing Factors

Population, tax rate, school ranking, and property size





**Email:** 

jnha1119@gmail.com

Github:

@jennifernha

LinkedIn:

https://www.linkedin.com/in/jennifernha/