



# Time Series on Housing in Utah

By Terry Thompson

Expand investment opportunities into Utah.

Increase Home Values:

- 3 year ROI
- 5 year ROI
- Top 5 Zip Codes

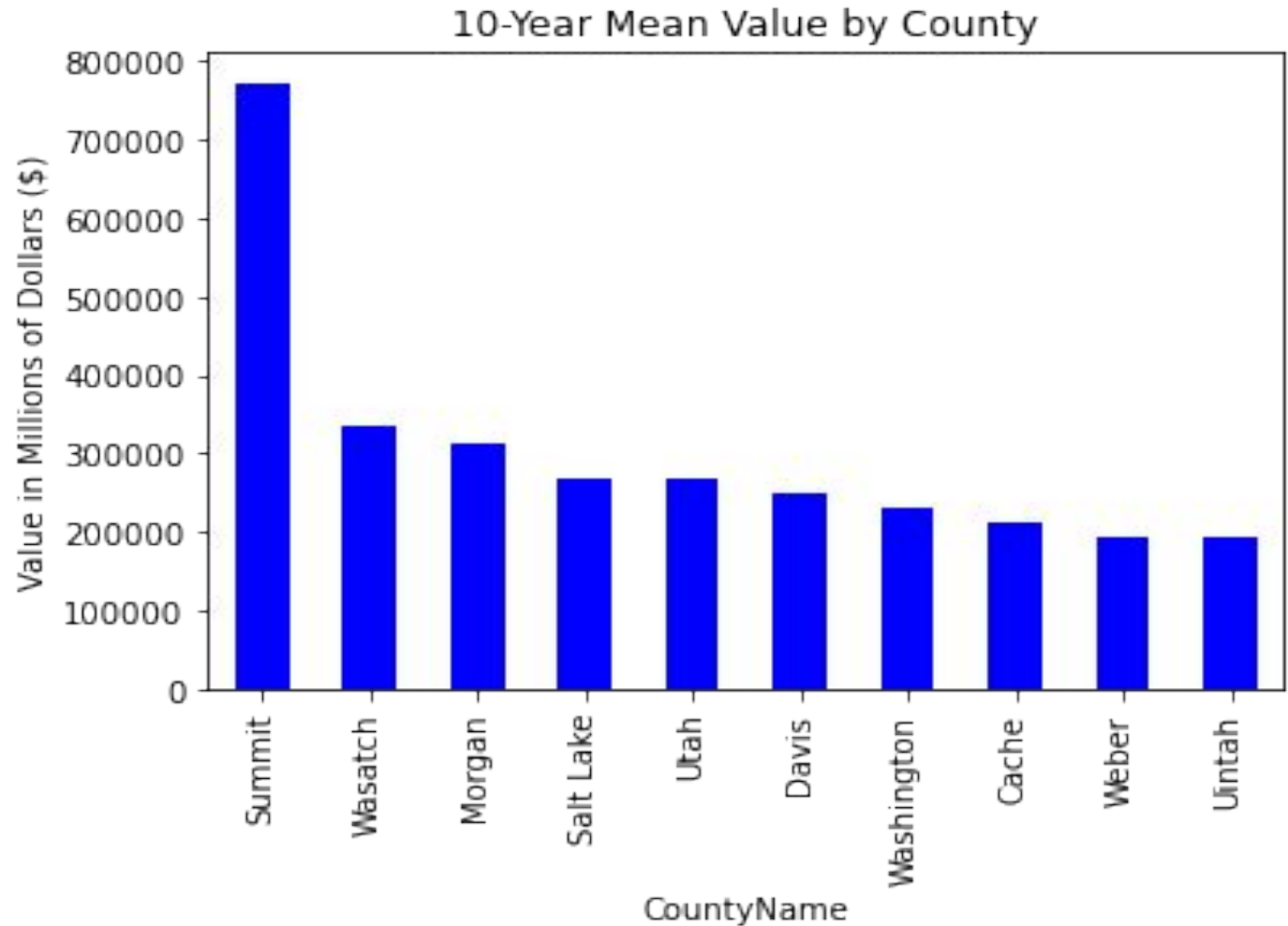


# Process

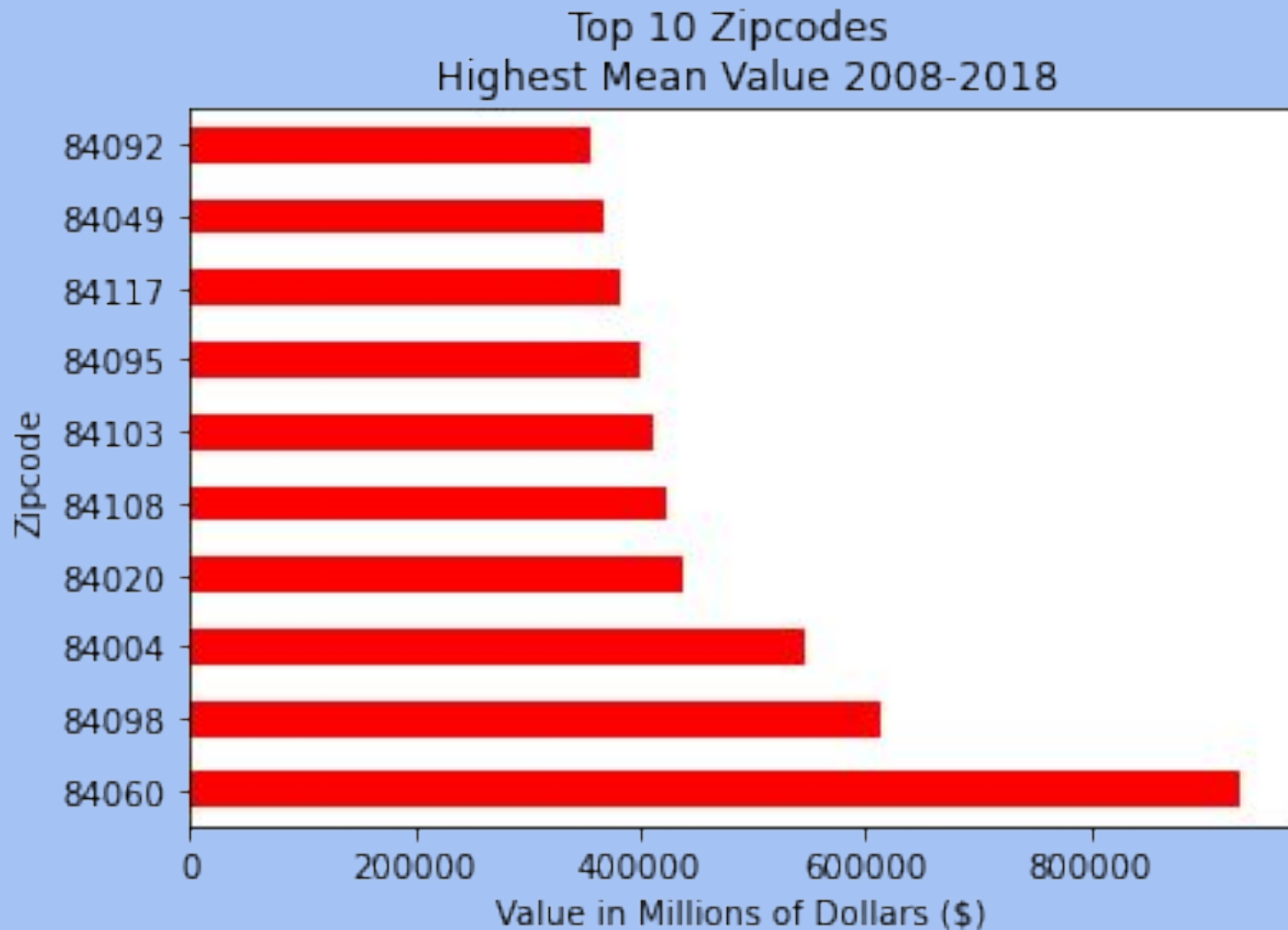
## Time Series Modeling:

- SARIMAX
  - ARIMA
  - Filter by County
  - Filter by Zip Code
  - 10 Year Span - Sets the criteria for forecast
- 

# 10 Year Average by County



# Top Zipcodes over 10 Years





# **Future Predictions on Top 5 Zip Codes**

#5

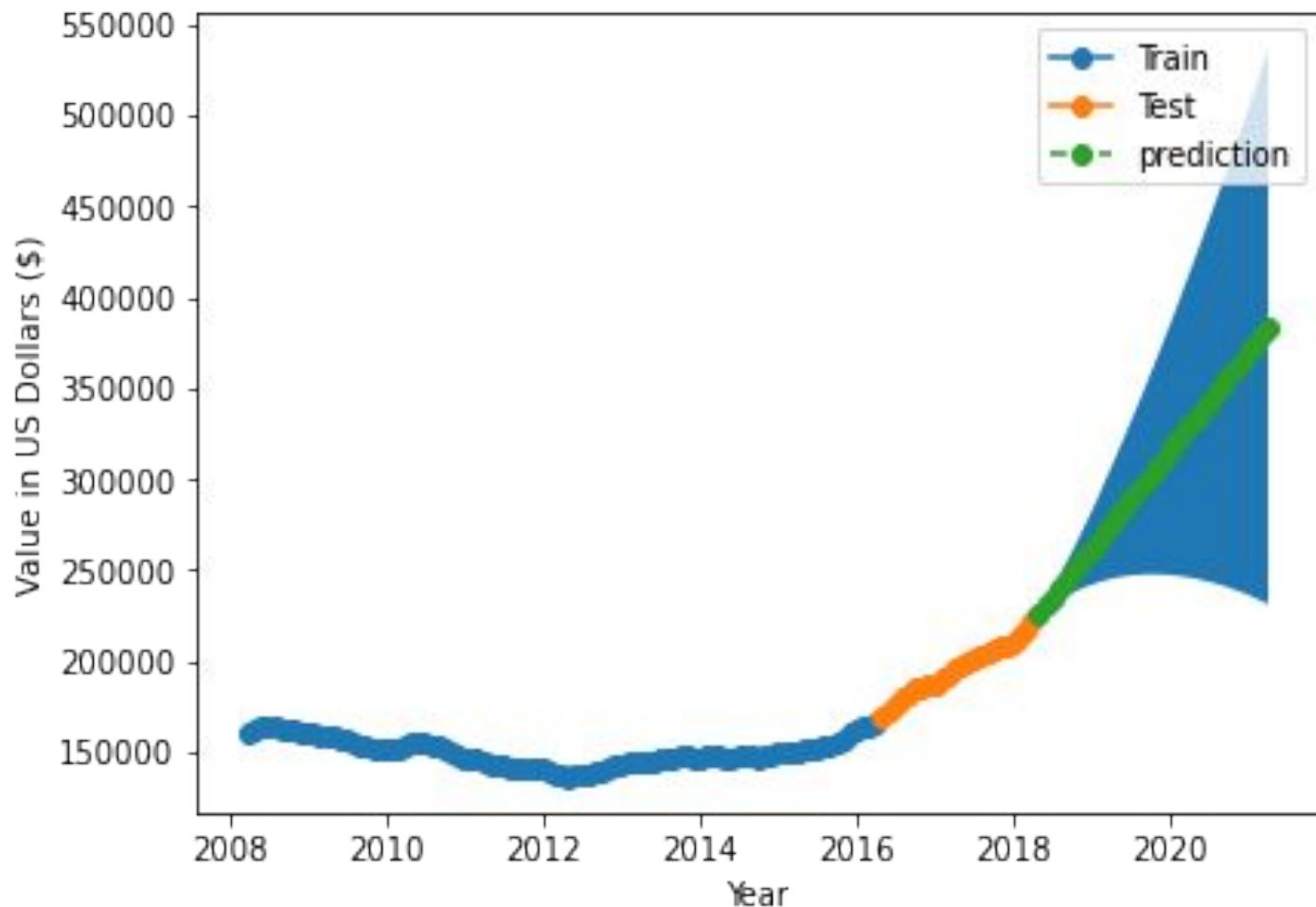
84401

3 year ROI

48.6%

5 year ROI

54.4%



#4

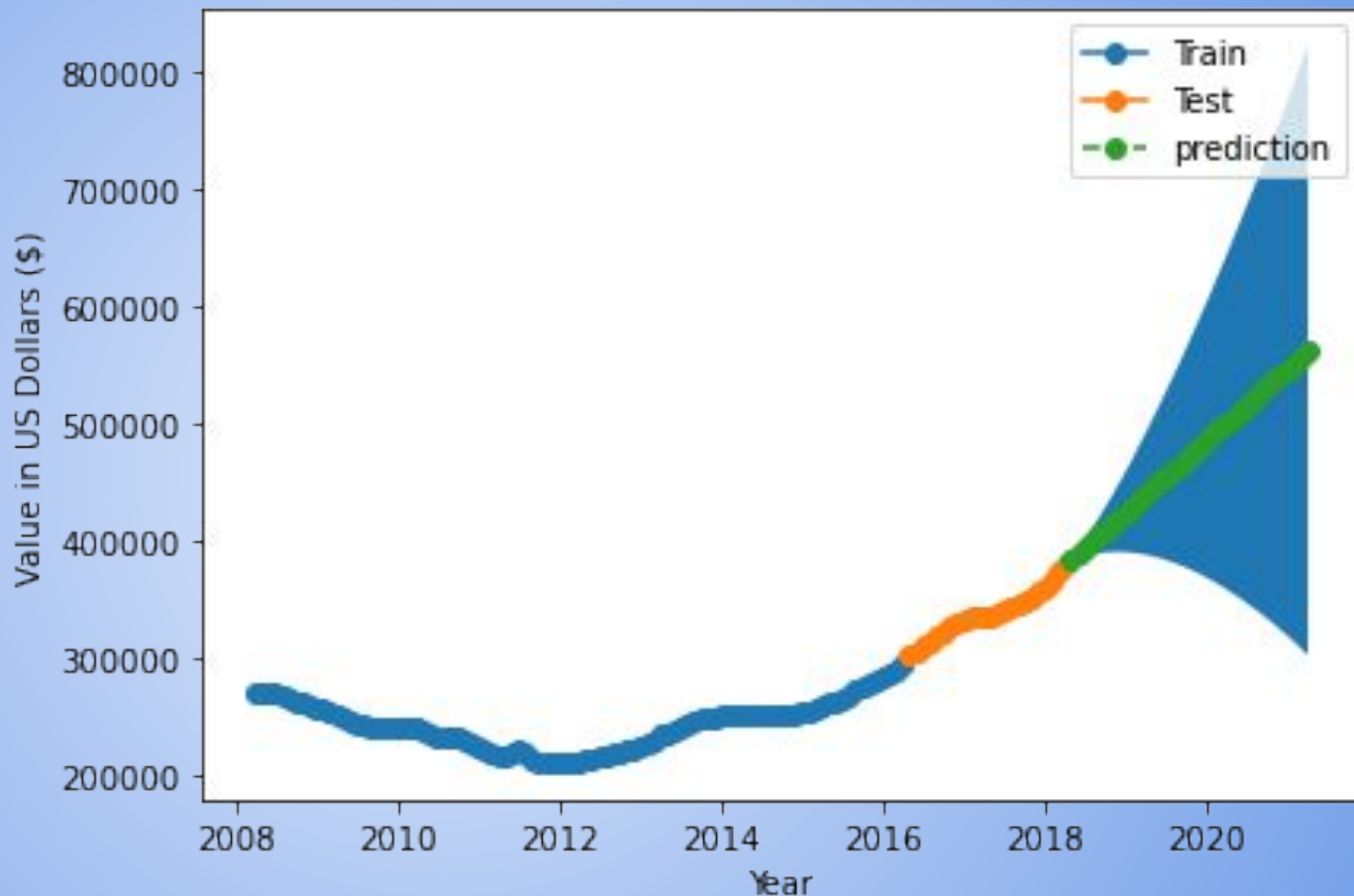
84106

3 year ROI

49.5%

5 year ROI

69.1%





#3

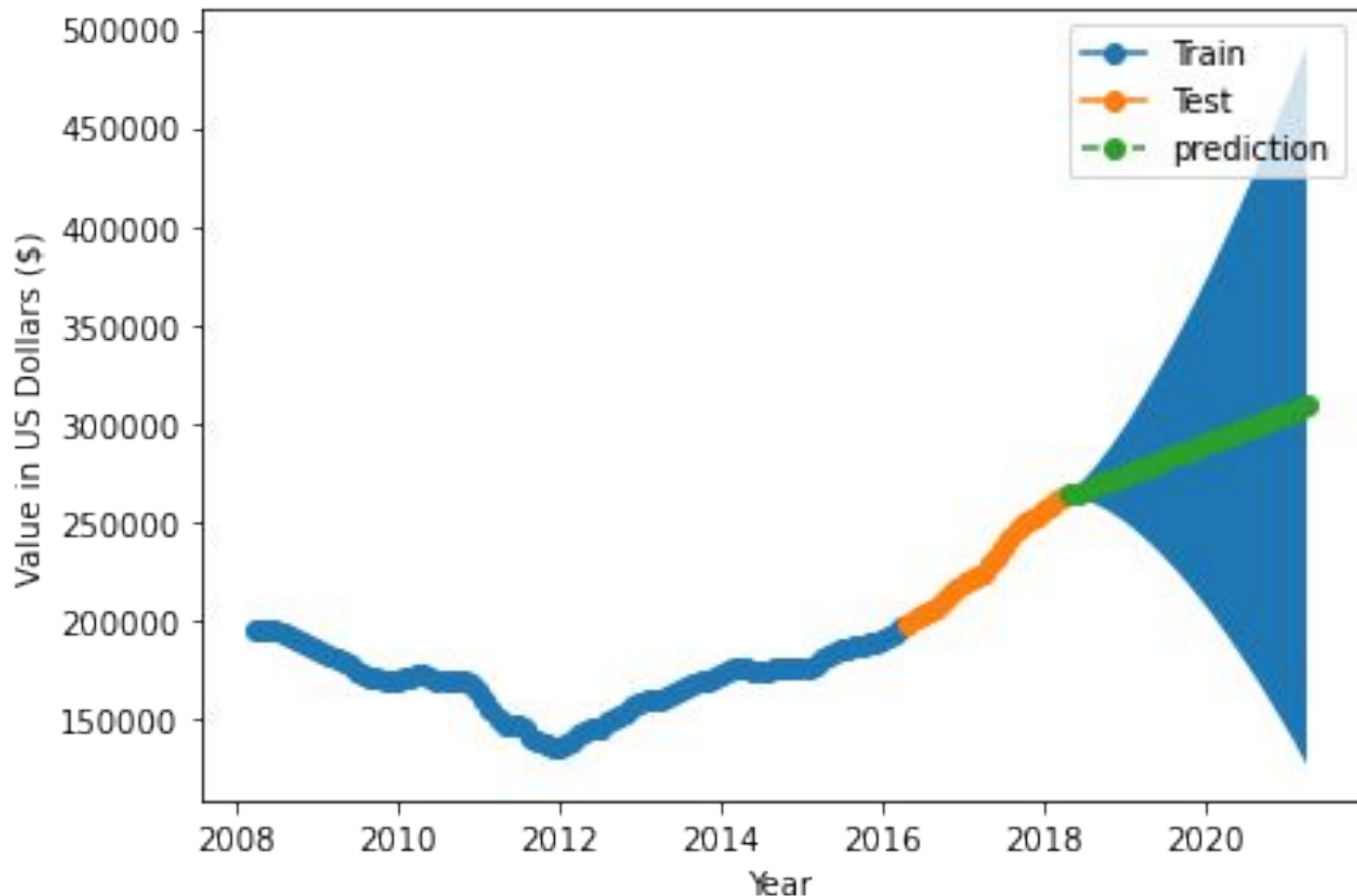
84119

3 year ROI

49.6%

5 year ROI

65.5%



#2

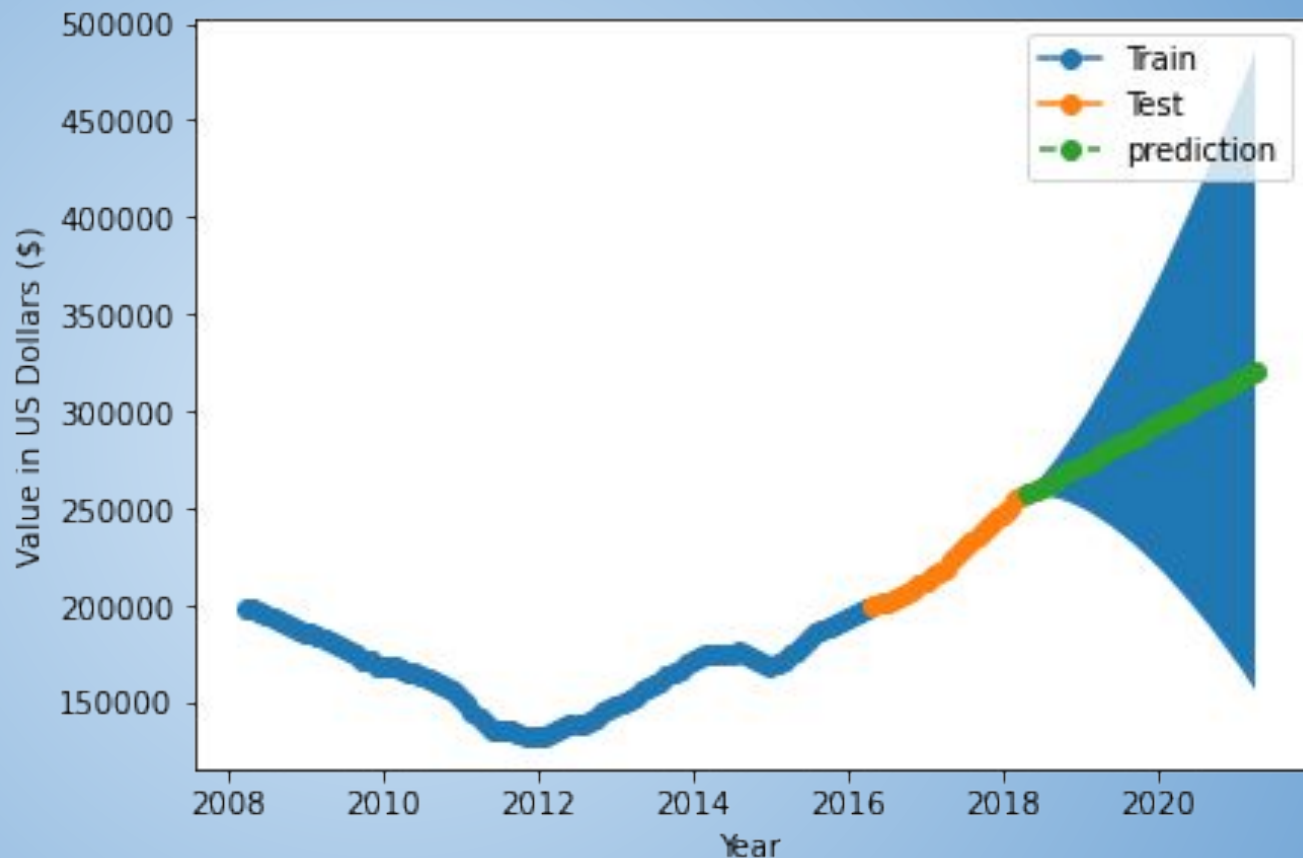
84118

3 year ROI

51.3%

5 year ROI

72.1%



#1

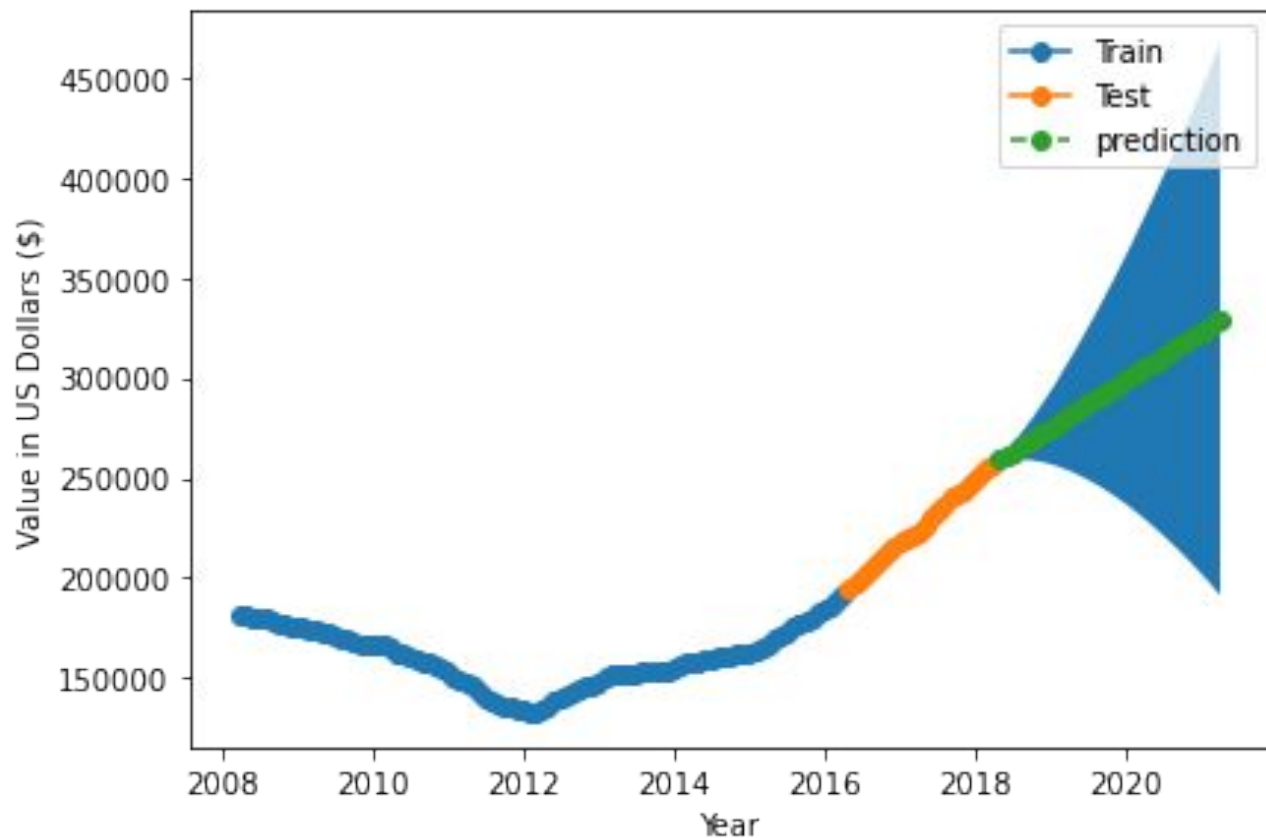
84116

3 year ROI

58.1%

5 year ROI

73.8%



# Conclusion

**Top 5 Zip Codes  
with best prospects for ROI:**

**#1 - 84116**

**#2 - 84118**

**#3 - 84119**

**#4 - 84106**

**#5 - 84401**



## Further Research

- Best areas ROI in specific budgets - 100K, 200K, ect
- Rental income opportunity in top five zips



# Thank You

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