

Team AM

Forecasting Real Estate Prices

Where you should invest and why.



Meet the Team

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Agenda

01

Business
Problem

02

Data
Understanding
/Preparation

03

Modeling

04

Results/
Recommendations

Business Understanding



Top 5 Cities
for real estate investors.

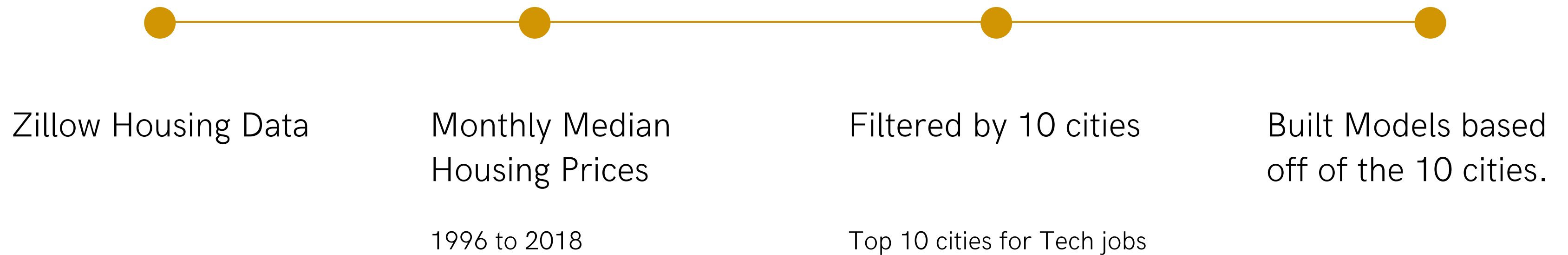


Highest forecasted return



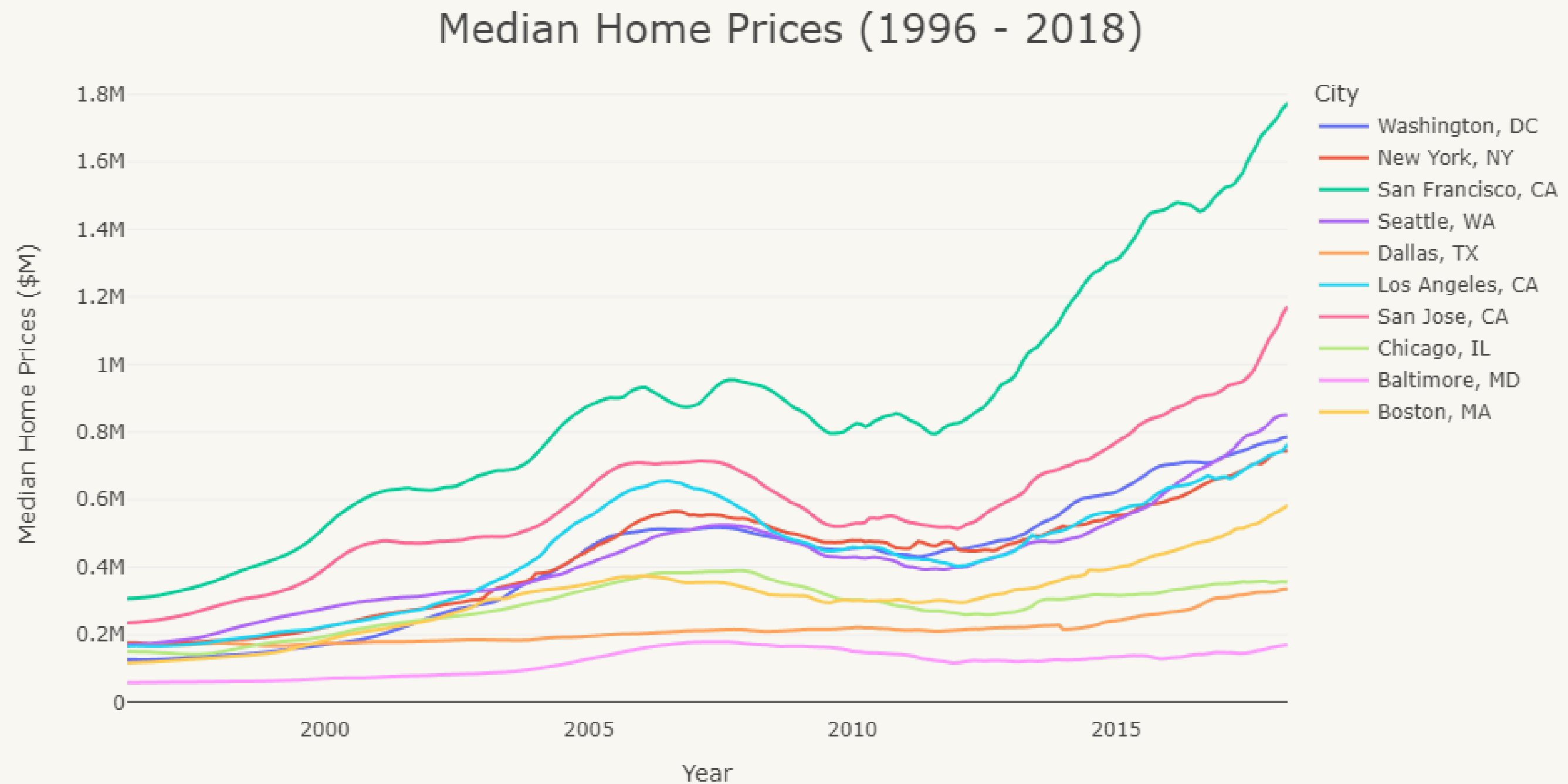
Forecasting for the
upcoming 10 years

Data & Preparation



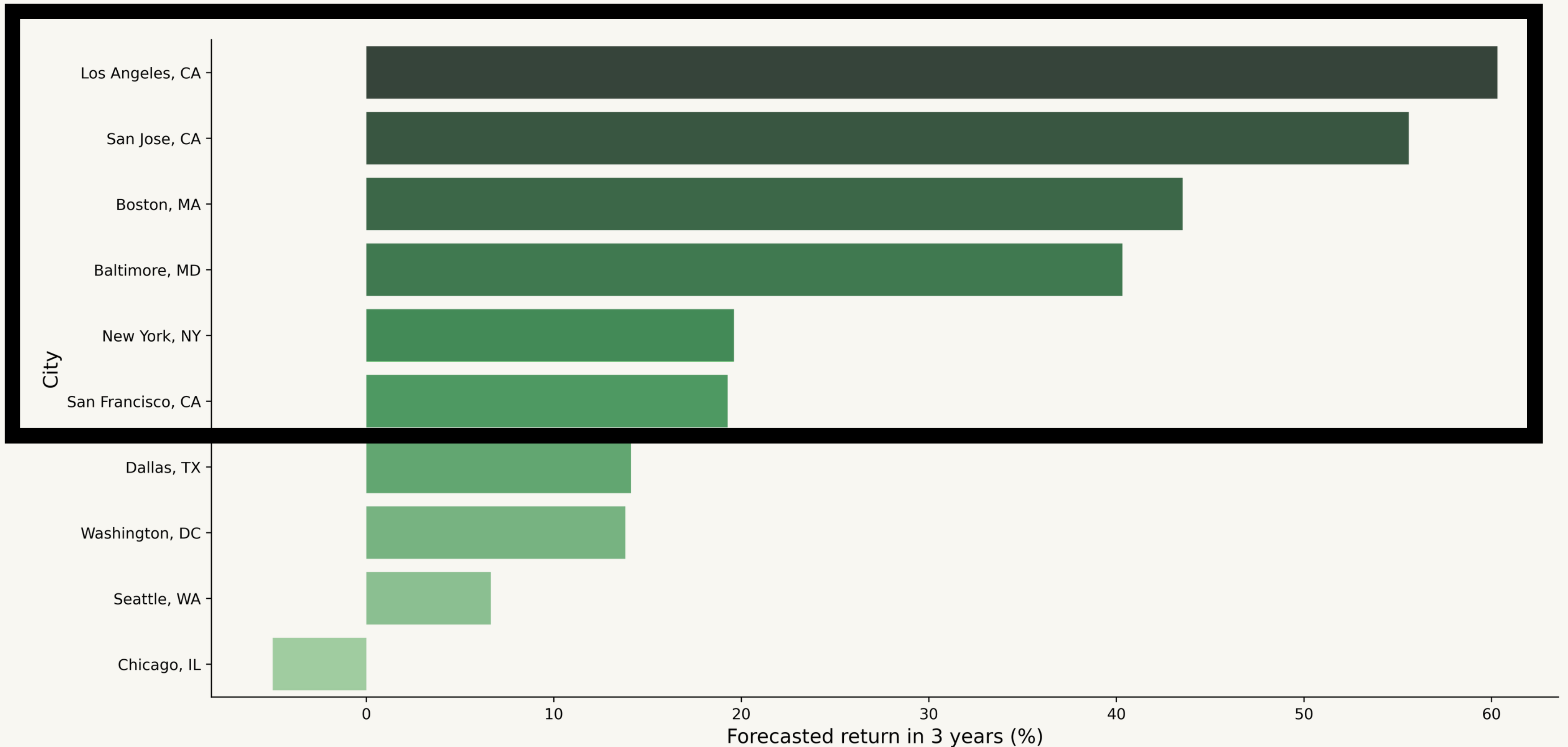
Monthly Growth

Home price trend in from 1996 - 2018.

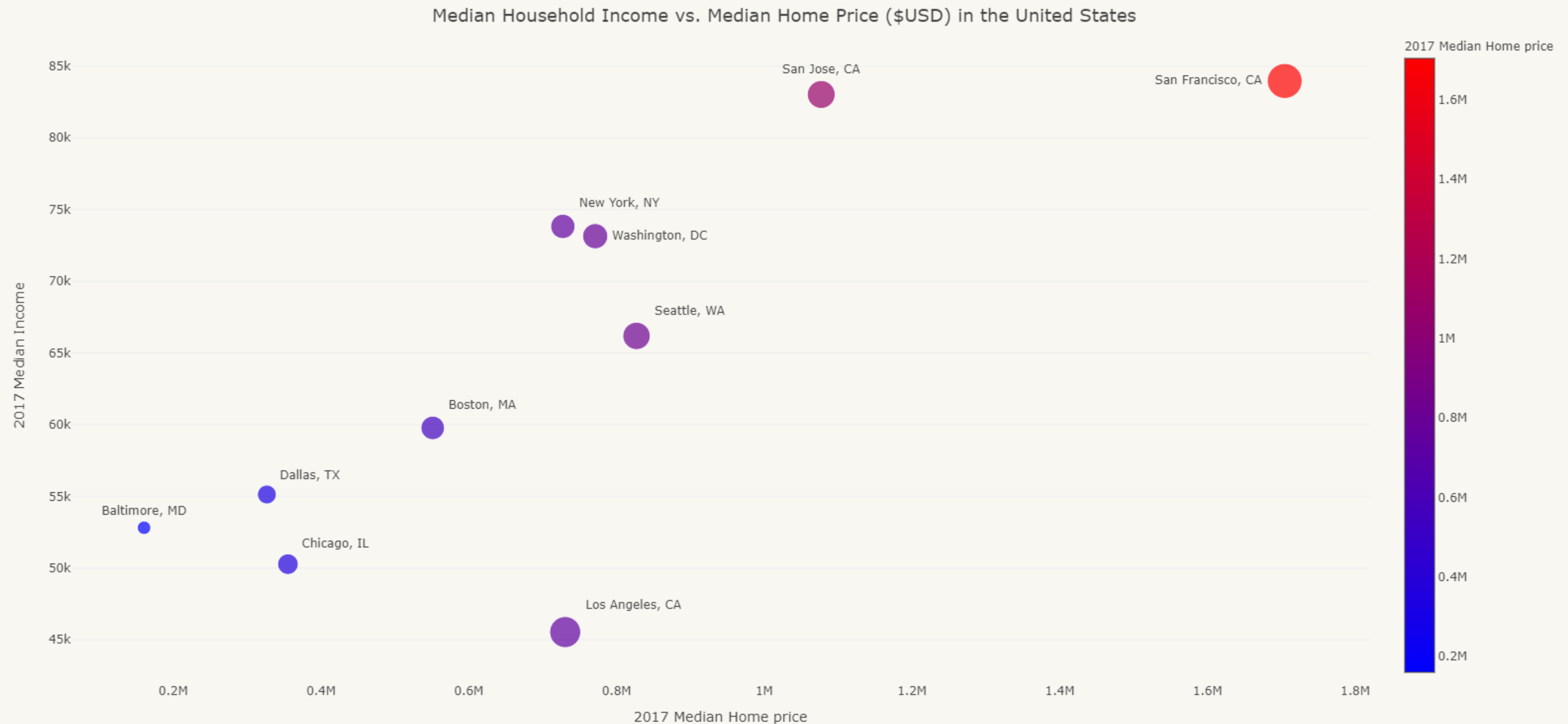


Forecasted Return

Forecasted Return in 3 years (%)



Median Household Income vs Median Home Price (\$)



TOP 5 CITIES

1

LOS ANGELES, CA

2

SAN JOSE, CA

3

BOSTON, MA

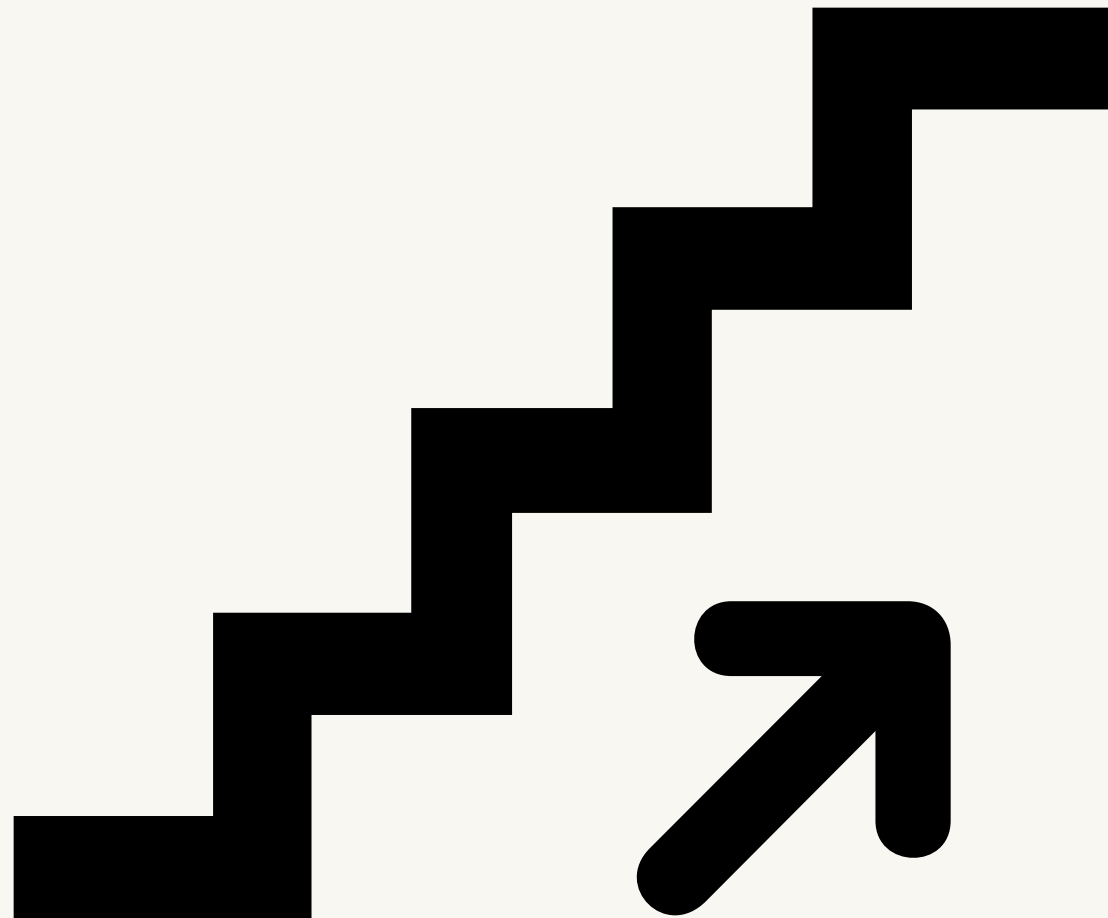
4

BALTIMORE, MD

5

NEW YORK, NY

Next Steps



Collect Data for Covid 19 period

Add Exogenous Variables

- School Ratings, Income of residents, etc

Forecast with Long Short Term
Memory networks LSTM



Thank you!

Any Questions?

TALK TO US

(kyongminso@gmail.com)

Located at: Kyongmin's grandma's house

Team AM



— APPENDIX

Time Series Forecasting

ACF and PACF

10 ARIMA Models for
each city

Explained Variance
Root Mean Squared Error