

01

02

03

04

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PROJECT DEBRIEF

Description of the project.

TOPIC ANALYSIS

Home Values across the United States.

ANALYSIS

Exploration of the data.

MODEL AND PREDICTIONS

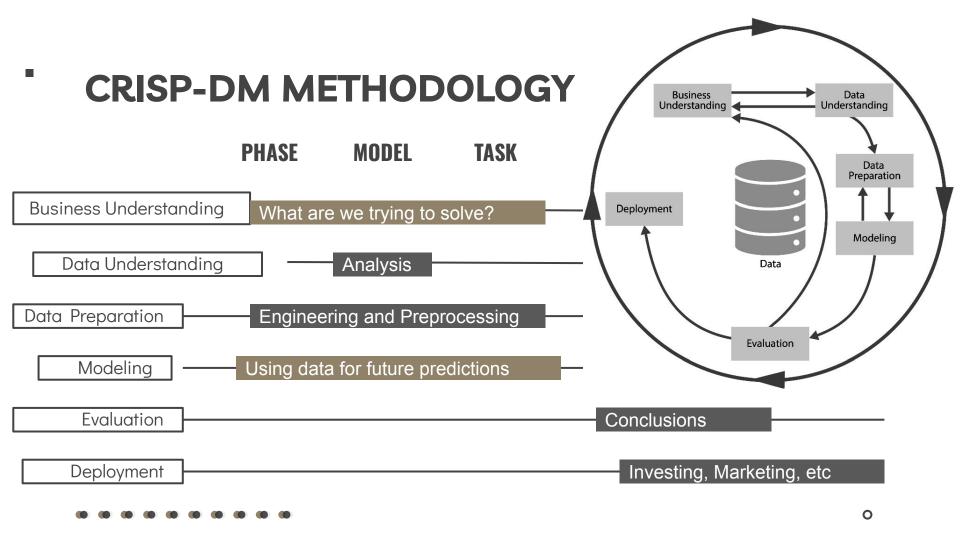
Bringing it all together.

FUTURE WORK AND WRAP UP

Where I would like this project to go in the future.

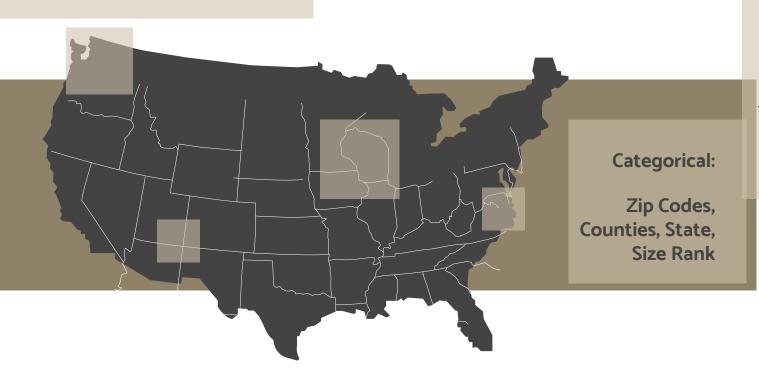


Using Zillow's extensive range of data on home values throughout the United States, and many requirements for choosing locations, we will use time series analysis to assist in predicting the most prime investment areas for our new investment partners.





THE DATA



Numerical:

Home Values for zip codes across the United States for every month from 1997 - 2018

FOOD AND CULTURE

LARGE VARIETY OF
RESTAURANTS AND A RICH
CULTURE

URBANIZATION

LARGE POPULATION DENSITY
PEDESTRIAN FRIENDLY
PUBLIC TRANSPORTATION

CLIMATE FRIENDLY

HIGH POPULATION
DENSITY = LOW CARBON
EMISSIONS

GROWTH/POPULATION

HIGH CONTINOUS GROWTH ABOVE NATIONAL MEDIAN AVERAGE



8,124

Restaurants, bars and coffee shops

Residents can walk to an average of 5 within 5 minutes

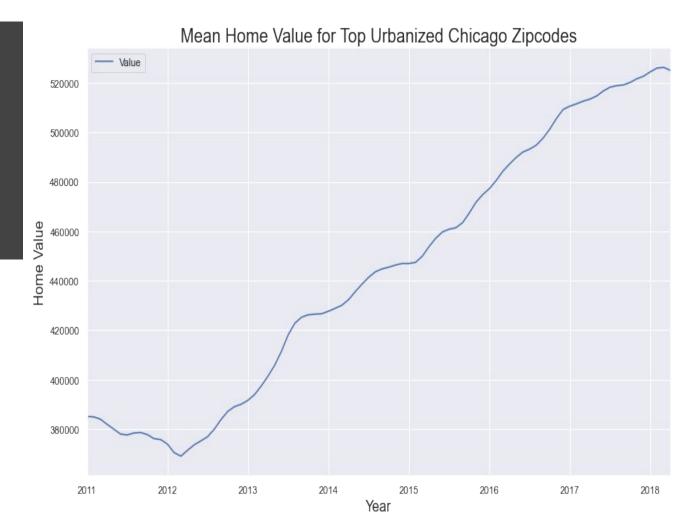
Walk Score

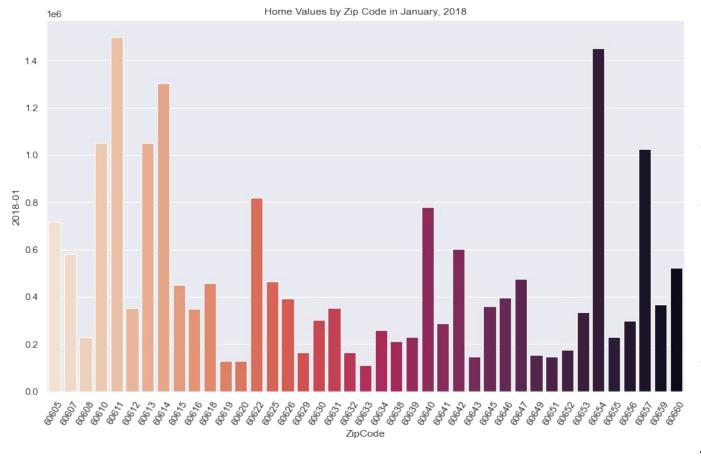




SIDE NOTE: REAL PICTURE TAKEN BY ME!

What does Chicago's home value growth look like?

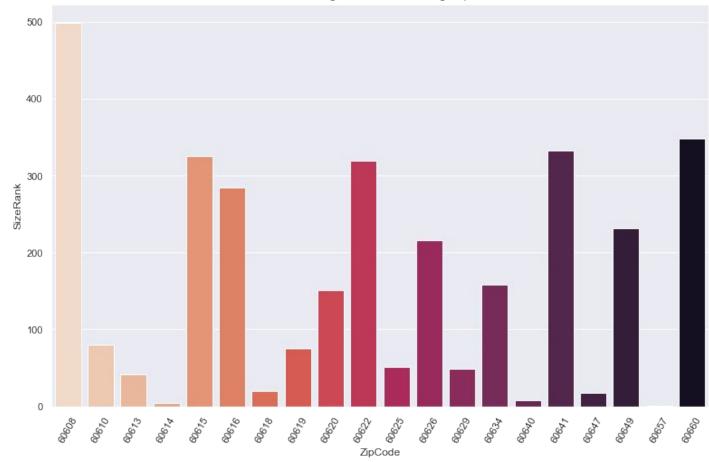




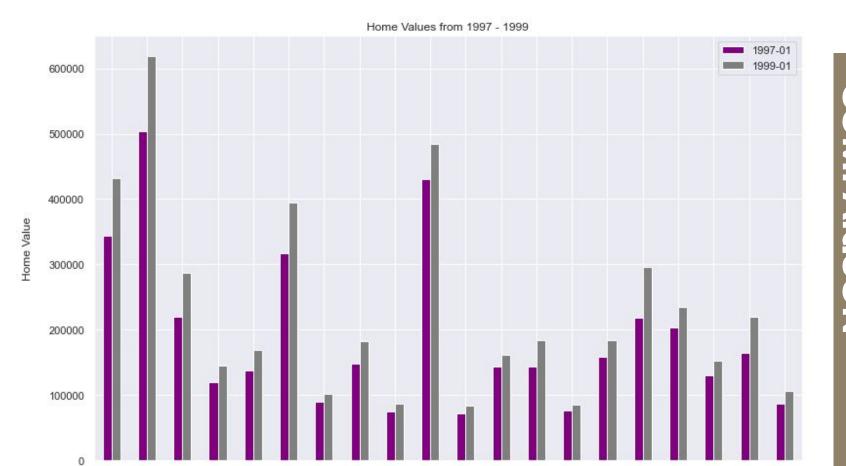
ROGERS PARK CHICAGO LAWN **GOLD COAST LOGAN SQUARE UKRAINIAN VILLAGE WEST LOOP UPTOWN WICKER PARK RAVENSWOOD LOGAN SQUARE BOYSTOWN** LINCOLN SQUARE **SOUTH LOOP UPTOWN HUMBOLDT PARK ANDERSONVILLE**

SizeRank ZipCode

Size Rank of Chicago Zip Codes



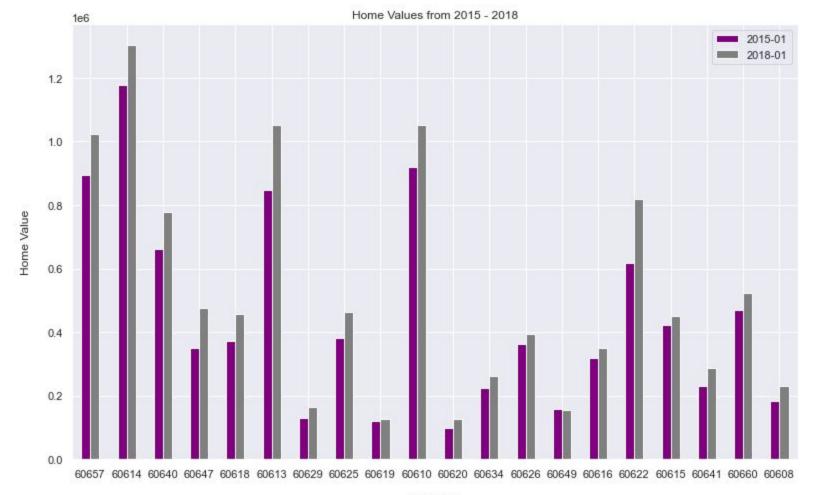


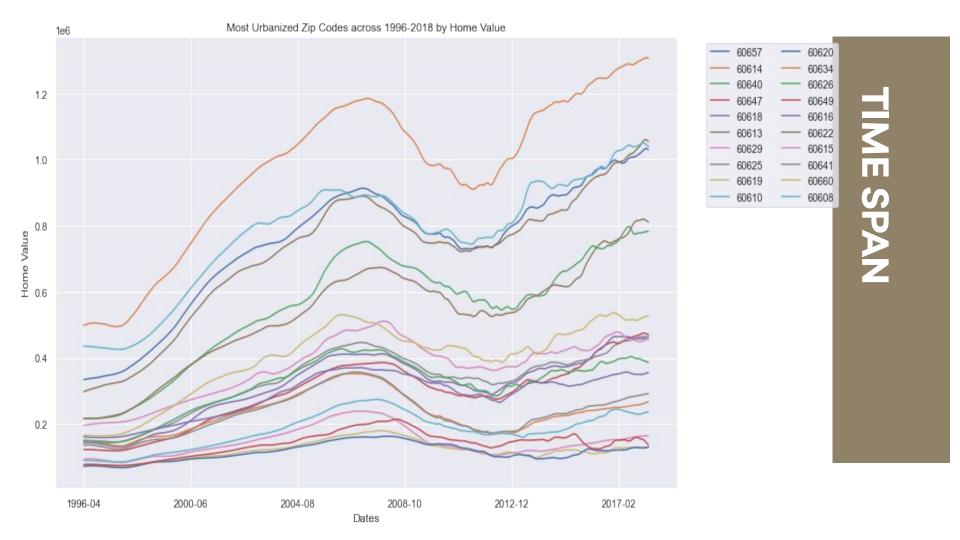


60625 60619 60610 60620 60634 60626 60649 60616 60622 60615 60641

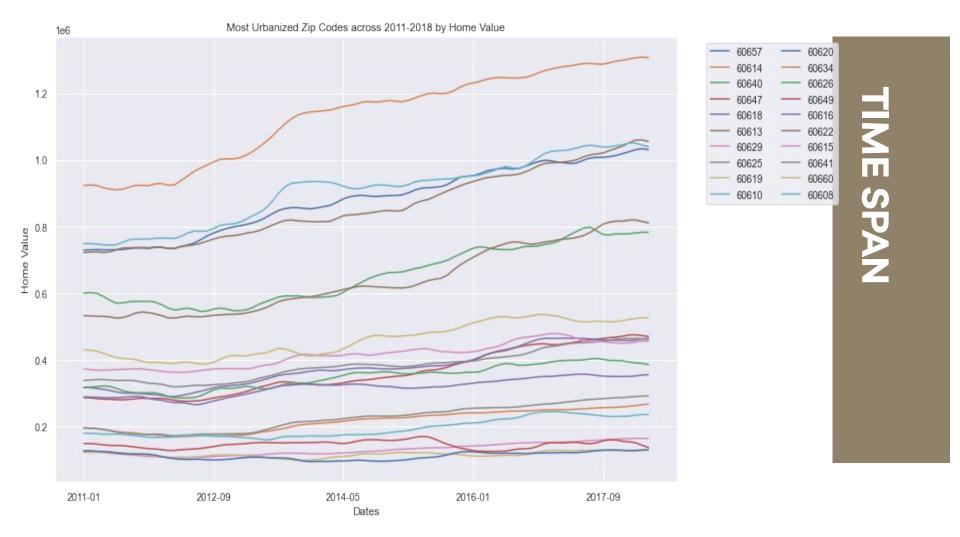
60657 60614 60640

60647 60618 60613 60629











LOCATION **CHICAGO TOP 50%** HIGHLY URBANIZED ZIP CODES HOME VALUE SPAN 2011 - 2018

SARIMAX MODEL

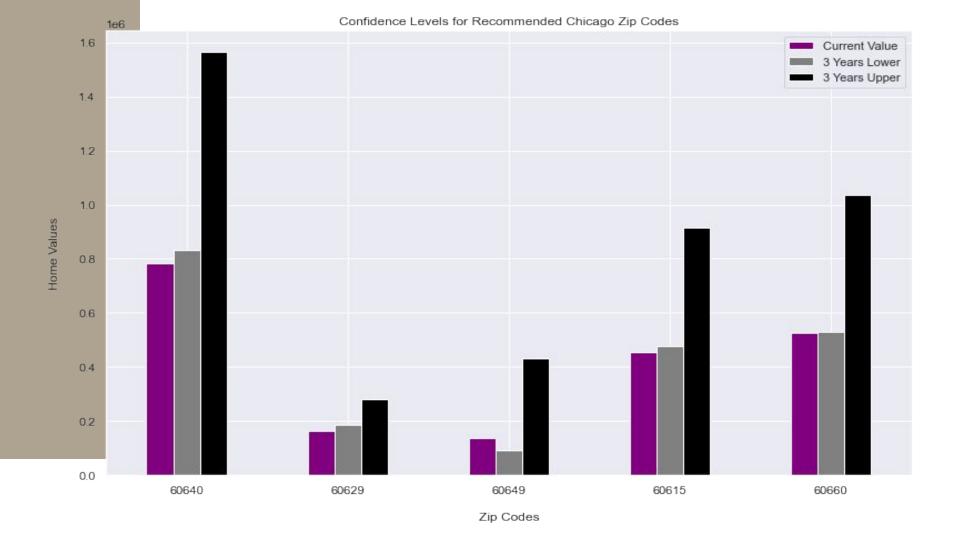


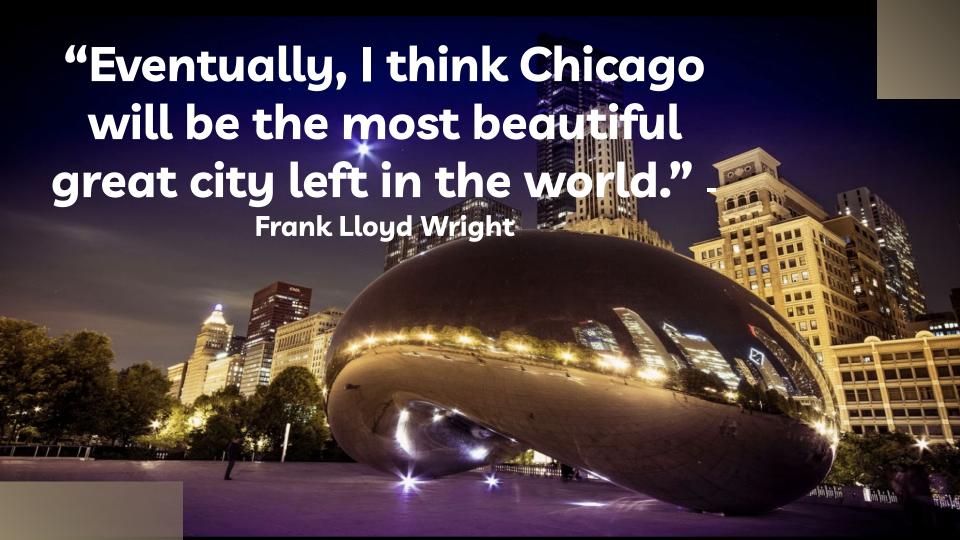
 Decomposable time series model that accounts for trends, seasonality.



3 YEAR PREDICTED RETURNS AND HOME VALUES

	SOUTH SHORE 60649	<u>UPTOWN 60640</u>	<u>KENWOOD</u> <u>60615</u>	CHICAGO LAWN 60629	EDGEWATER 60660
3 Year ROI	57.5%	21.6%	18%	6.14%	5.63%
Home Value	\$215,483	\$951,809	\$538,407	\$173,850	\$215,483







OUR TEAM THANKS YOU!



