Progress Presentation

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Background







DIVE DEEPER INTO IMPACT OF ENVIRONMENTAL AND NEIGHBORHOOD FACTORS



RESEARCH PLACES WE WANT TO LIVE AFTER GRADUATION

Research Question(s)

To what extent do the environmental factors of a neighborhood affect housing prices?

Does the characteristics of a house or environmental factors have more influence on housing prices?

Which environmental factors are most predictive of home prices?

Which environmental factors under/over value home prices?









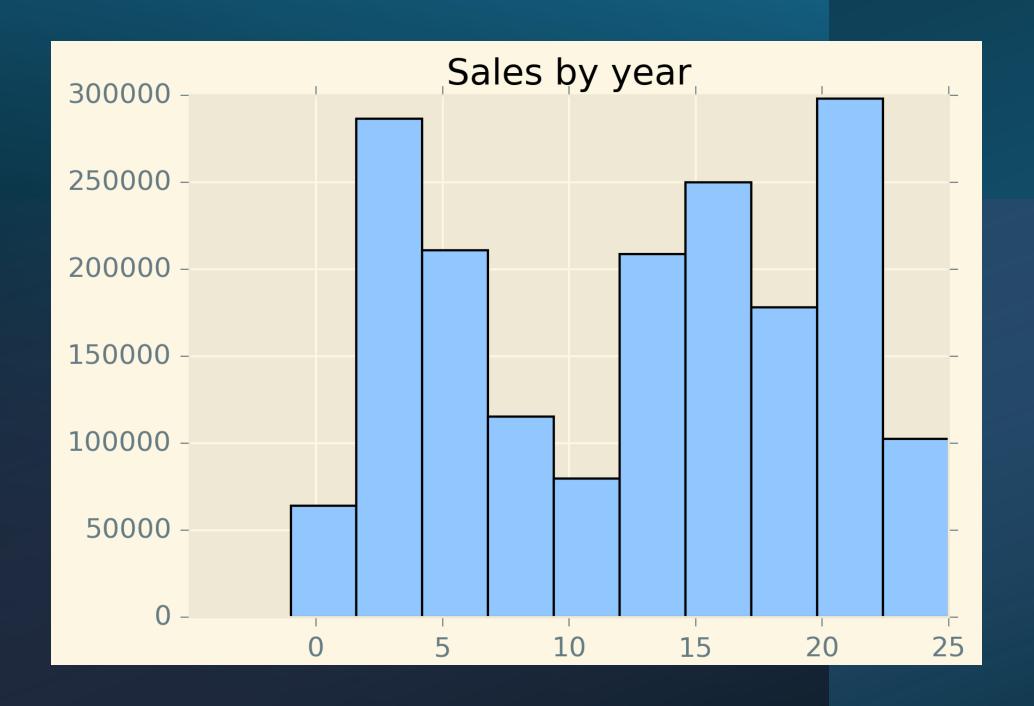


Data Sources

Data Processing

Detroit Data
Philly Data
Chicago
Data
Conn. Data
Pittsburgh
Data

Exploratory Data Analysis









Detroit home sales by price

Potential models

Baseline: linear regression model

Random forest model

Convolutional Neural Networks

Geographically Weighted Regression