Data Visualization and Dashboards with Tableau
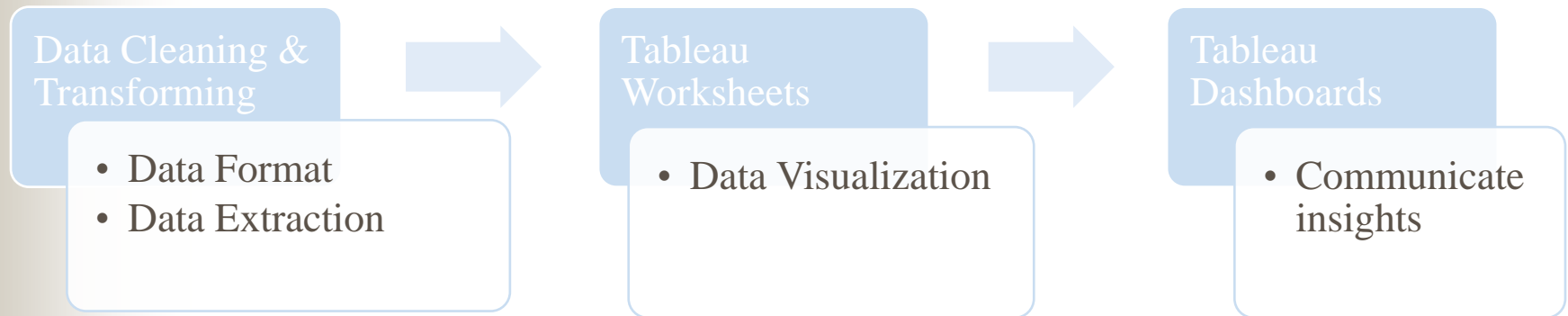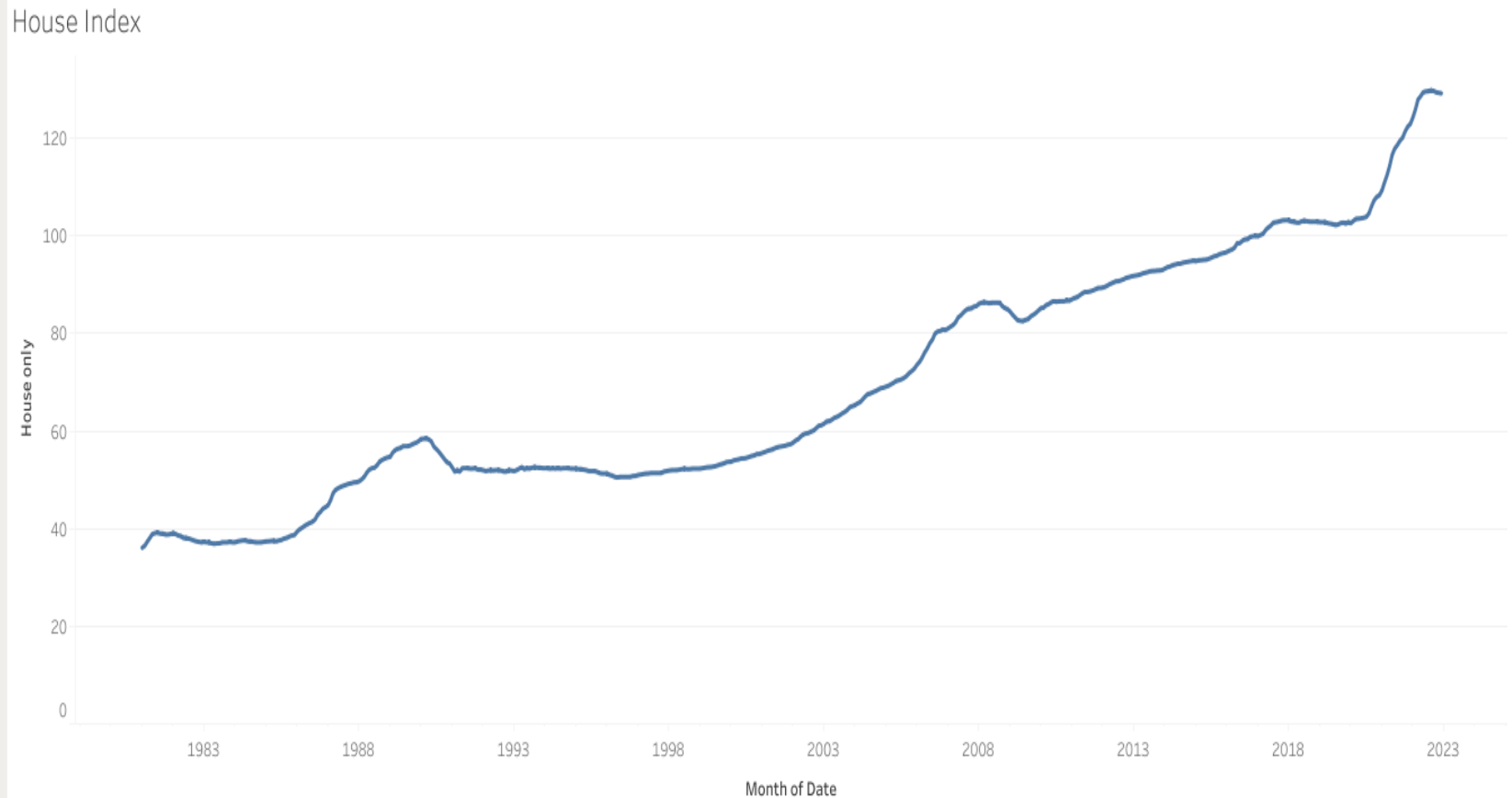
By

Zhiyun(Jenny) Liang

Project Objective

- Turning data into easily consumable visual insights, using Tableau

- Creating impactful dashboards that help audiences make decisions

- Communicating insights with the correct visualizations
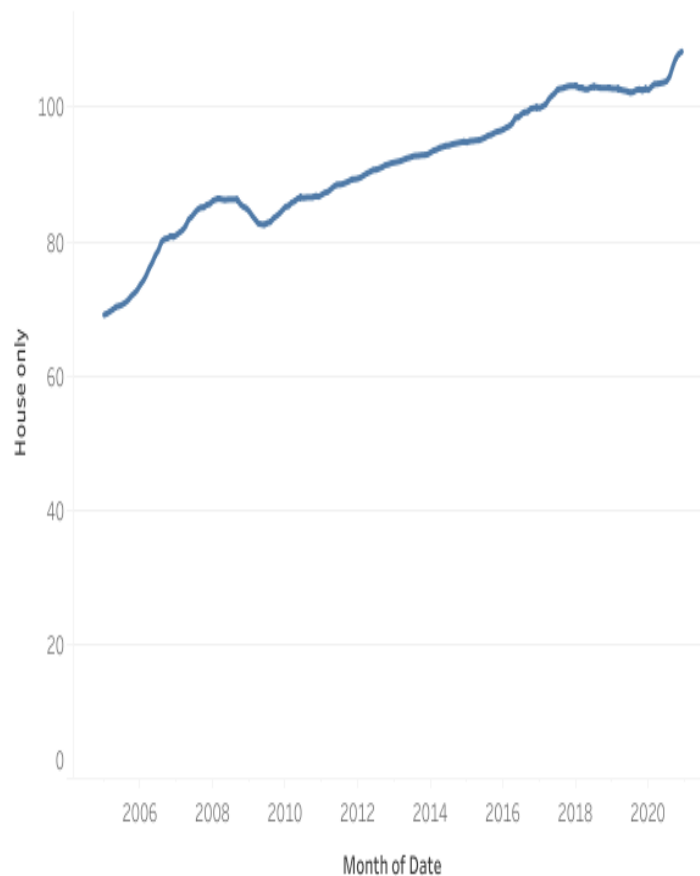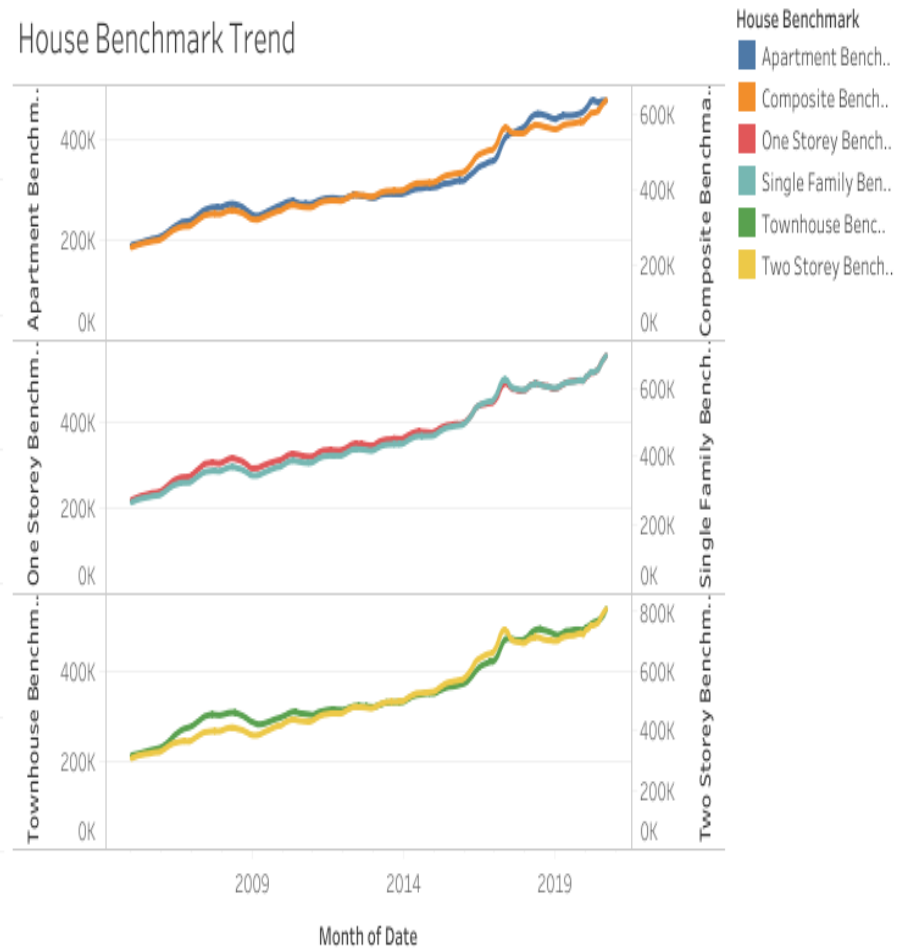
Project Flow Structure

Data Cleaning & Transforming
- Data Format
- Data Extraction

Tableau Worksheets
- Data Visualization

Tableau Dashboards
- Communicate insights

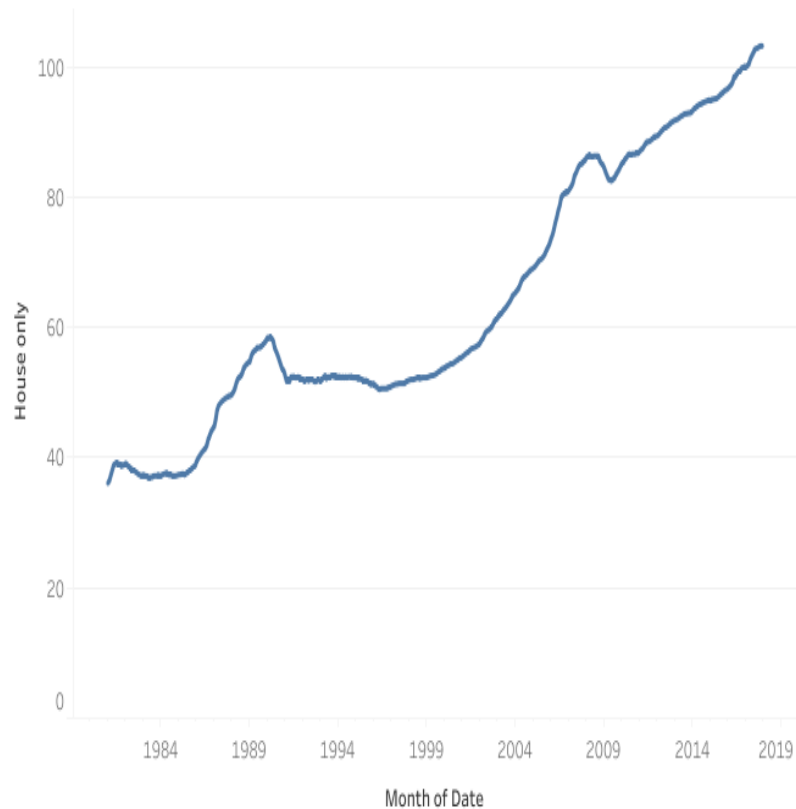# House Price Index with Time

House Index

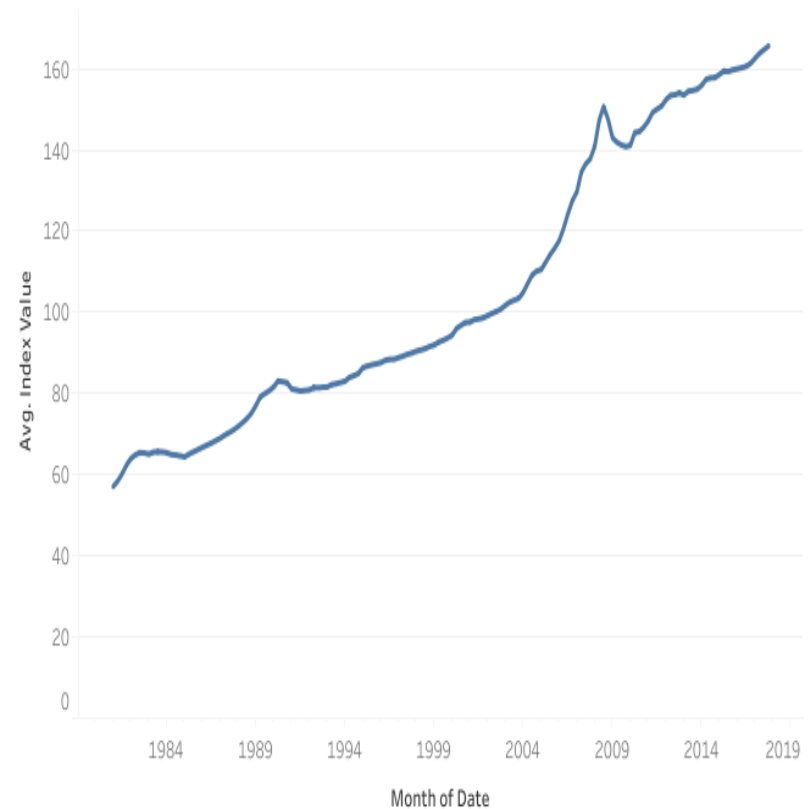# House Price Index vs House Benchmark

House Price Index vs Office Price Index

House Price Index

Office Price Index
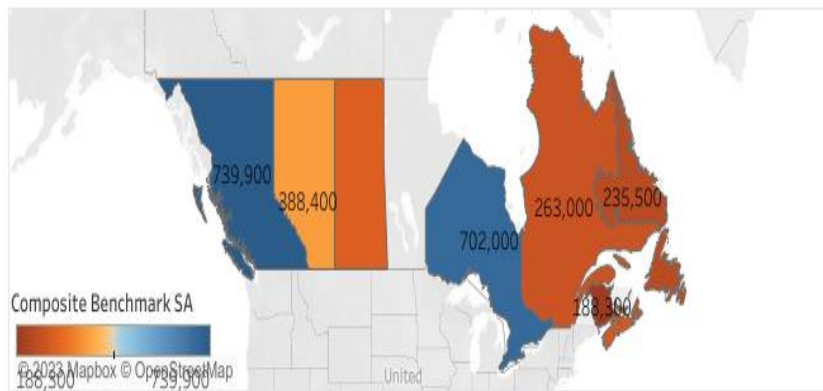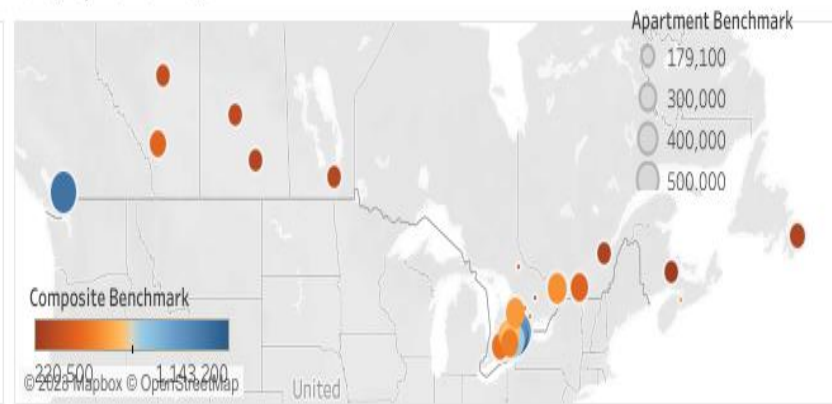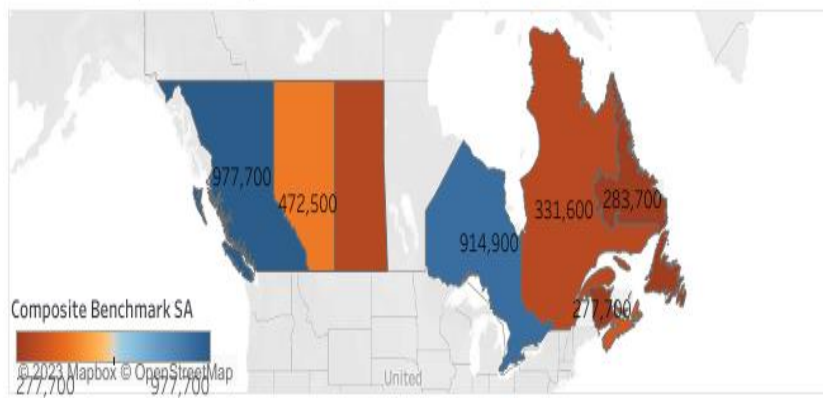
House Price Map
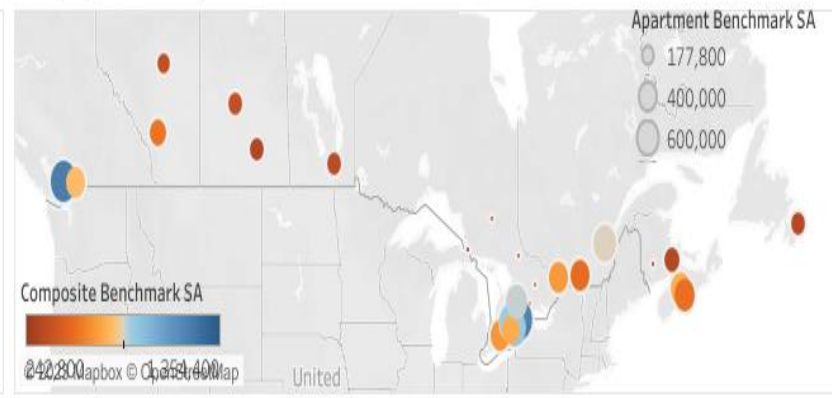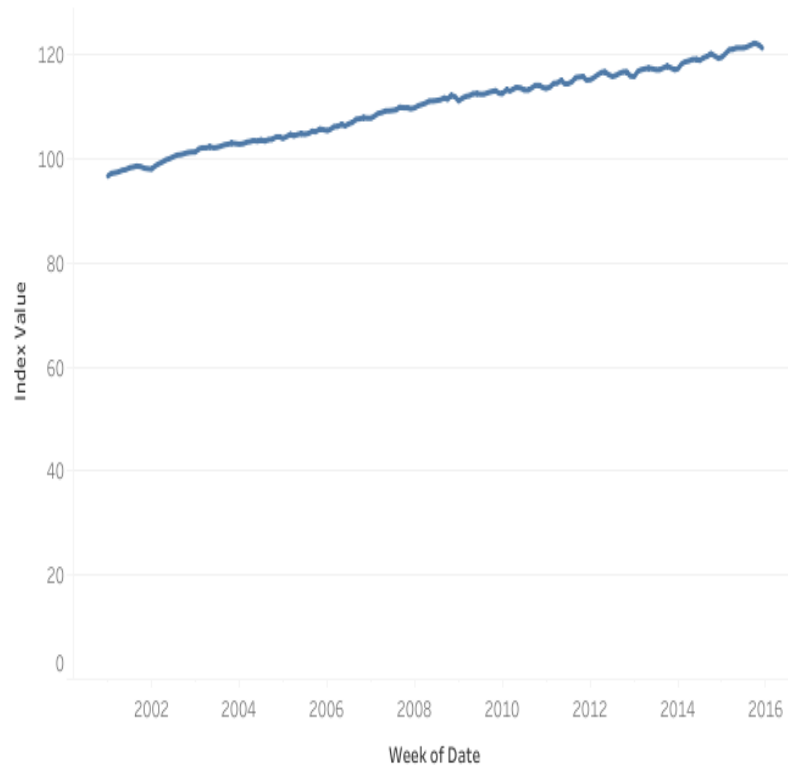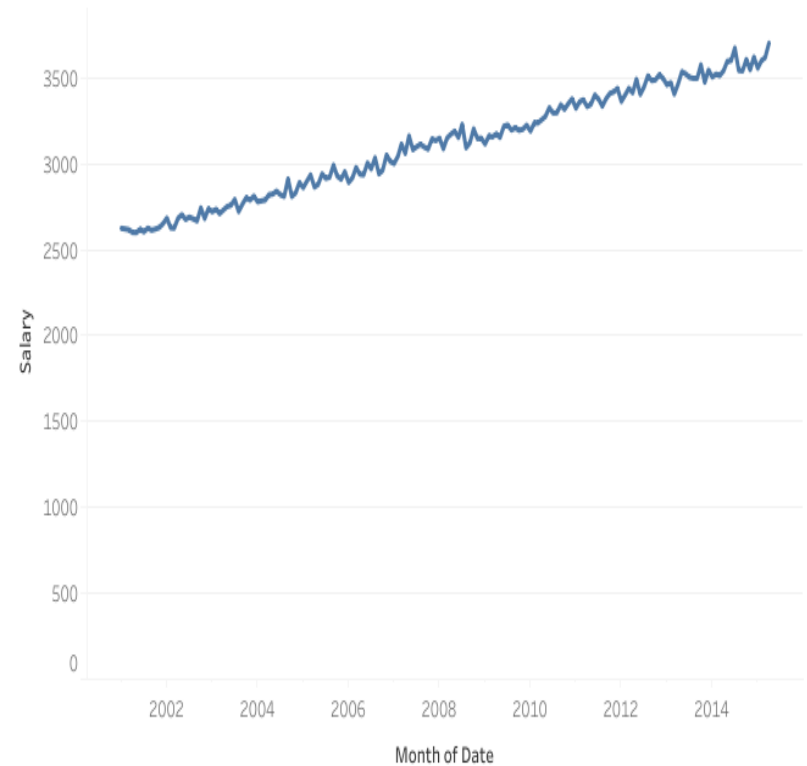
House Price Index vs Earnings
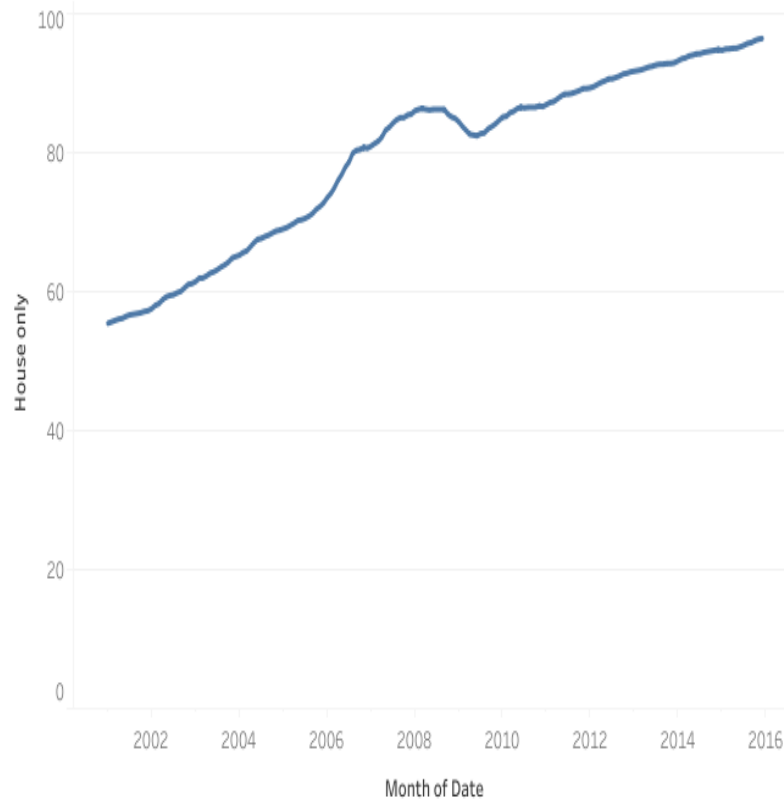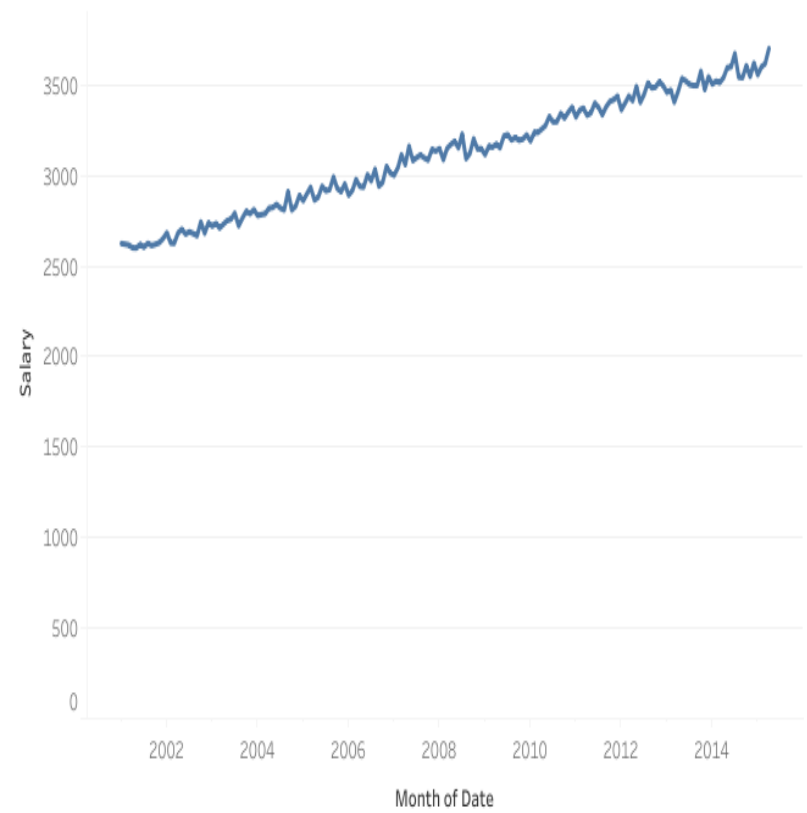
Consumer Index vs Earnings

Comparison in economic crises
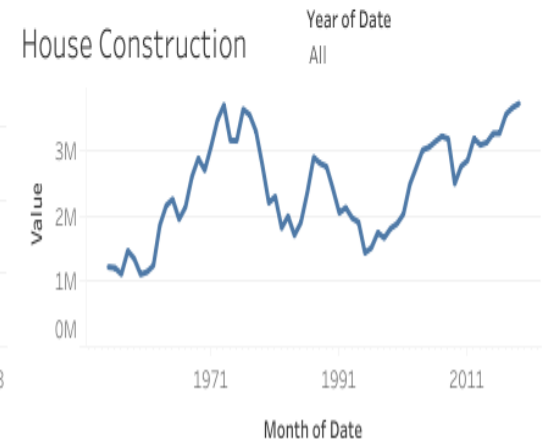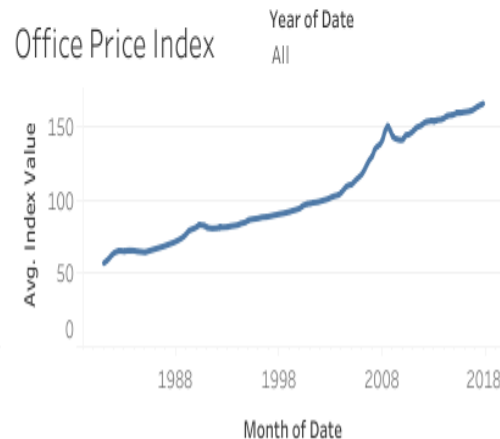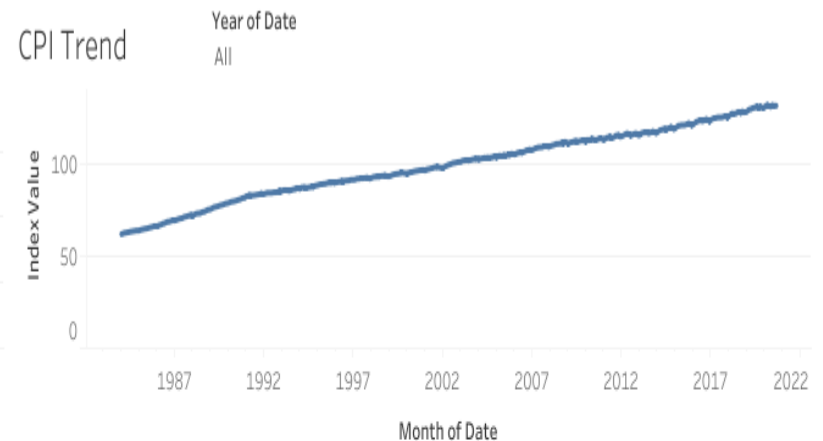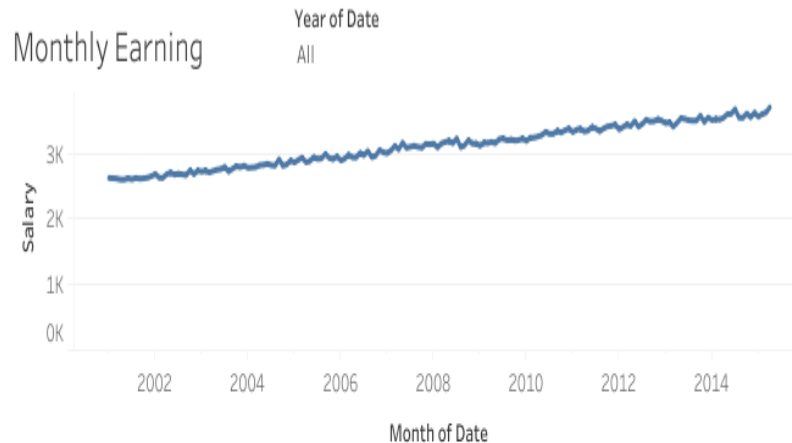
House Price Index vs Consumer Index

House Price Index vs Consumer Index

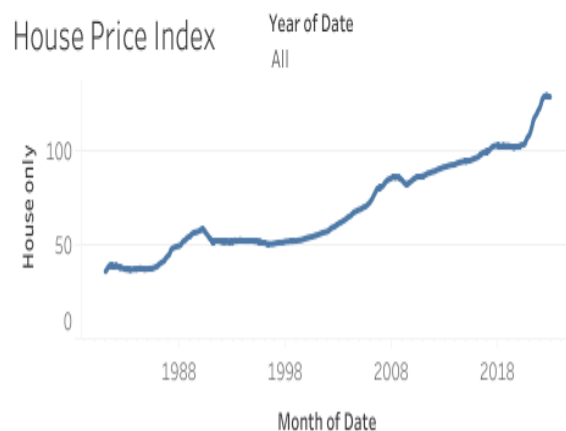| P-value: | < 0.0001 |
| Equation: | Consumer Index = 0.859011*House + 40.2188 |

Coefficients

Term	Value p-value	StdErr	t-value
House Index	0.859011 < 0.0001	0.0139892	61.4051
intercept	40.2188 < 0.0001	1.00685	39.9452
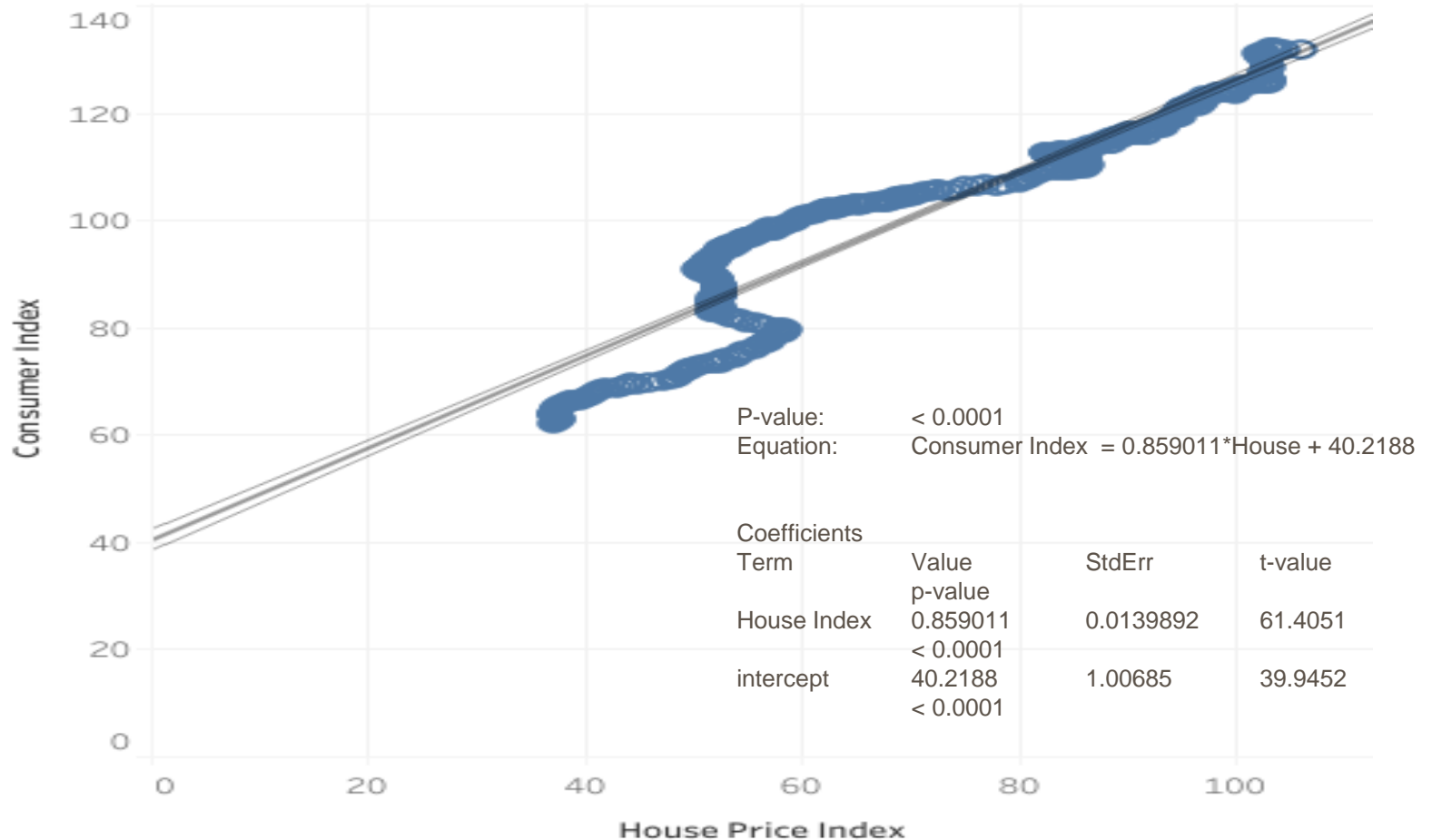
Challenges & Future Work

- Data Cleaning and Transforming

- Communicate insights with the correct visualizations

- Create more impactful visualizations

Thank you !