



Data Visualization Using Tableau

CURTIS LO



Project Flow Structure

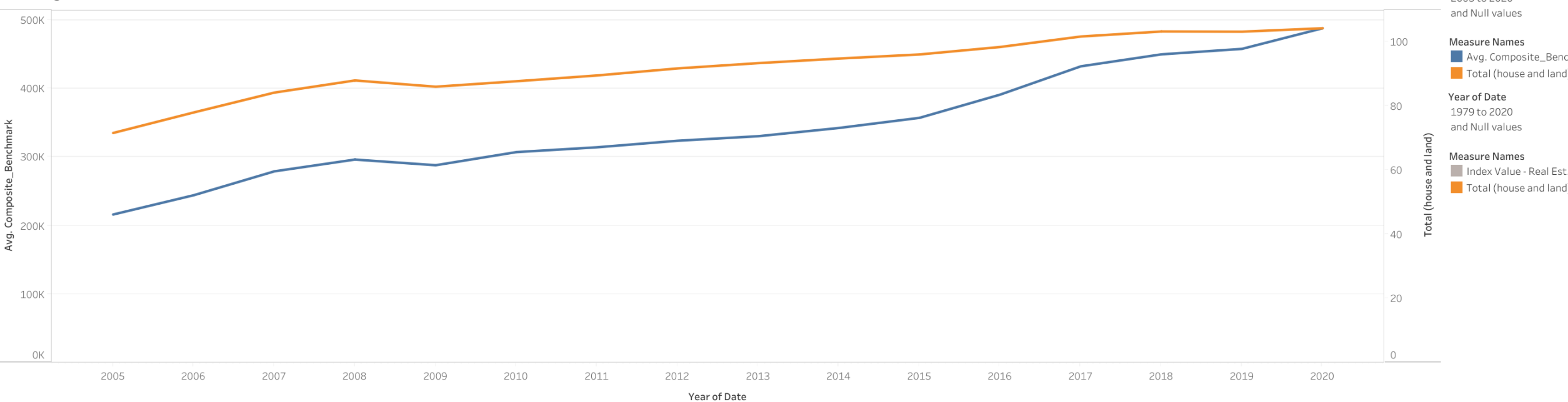
- Connect the data source
 - Establish relationships/joins
- Establish a visual for necessary data
- Create dashboards for summary
- Summarize findings
- Challenges



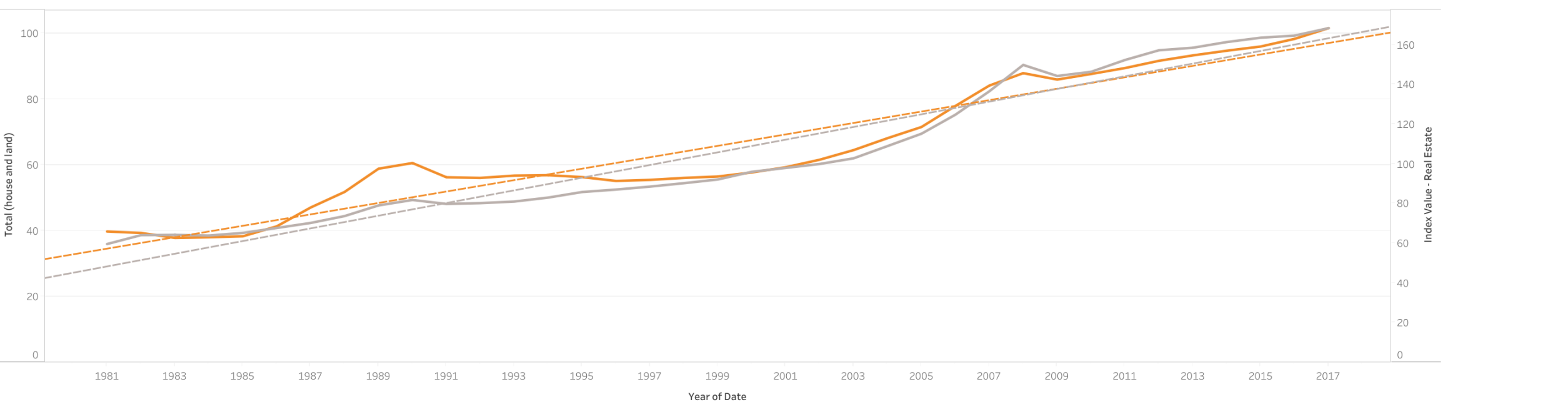
From The Data

- Housing price index vs. benchmark prices
- Housing vs. Office Trend
 - Which one is getting more expensive, faster?

Housing Prices Trend vs Benchmark



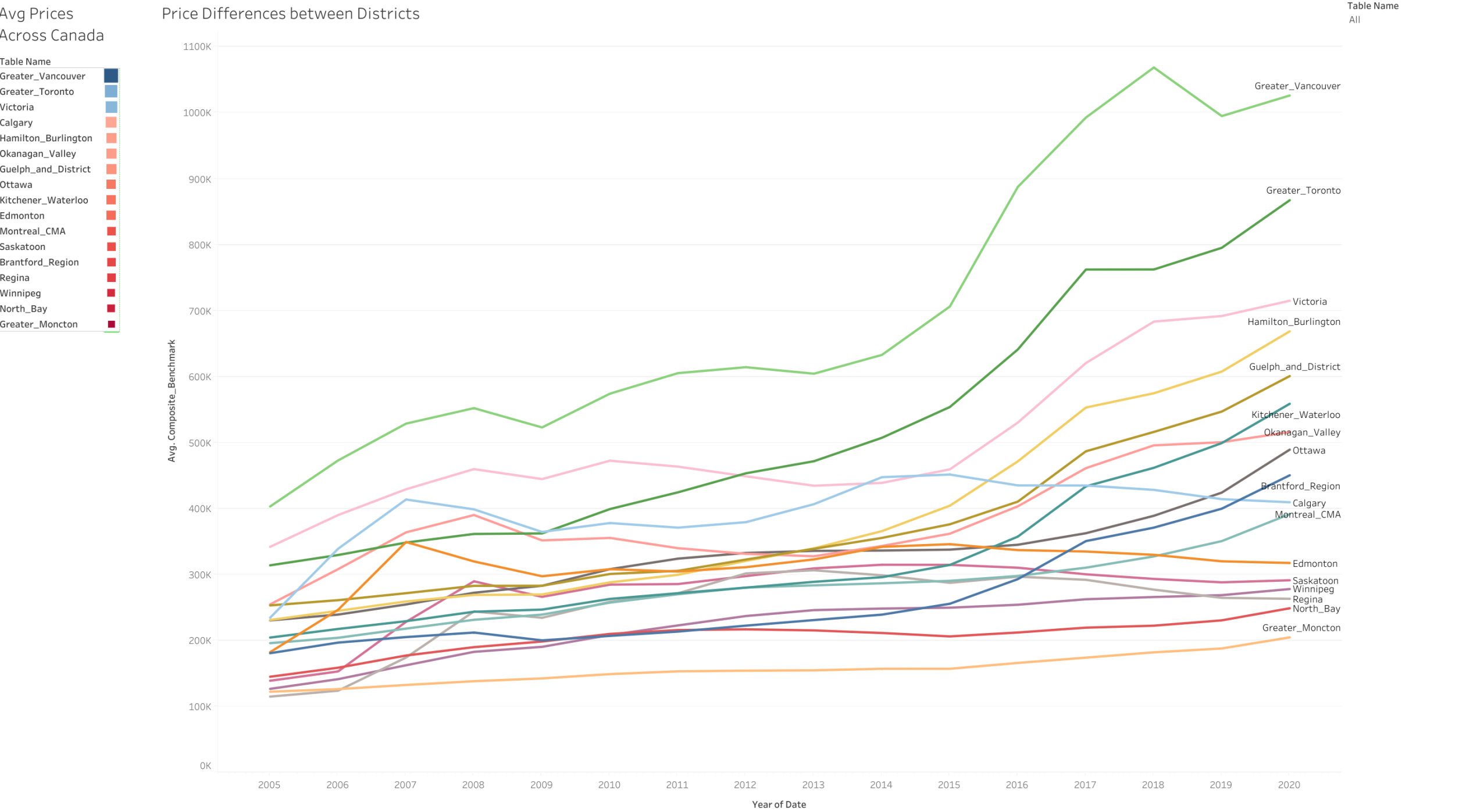
Office vs House Price Trend





From The Data

- Heatmap
 - Are the price differences between different districts increasing?

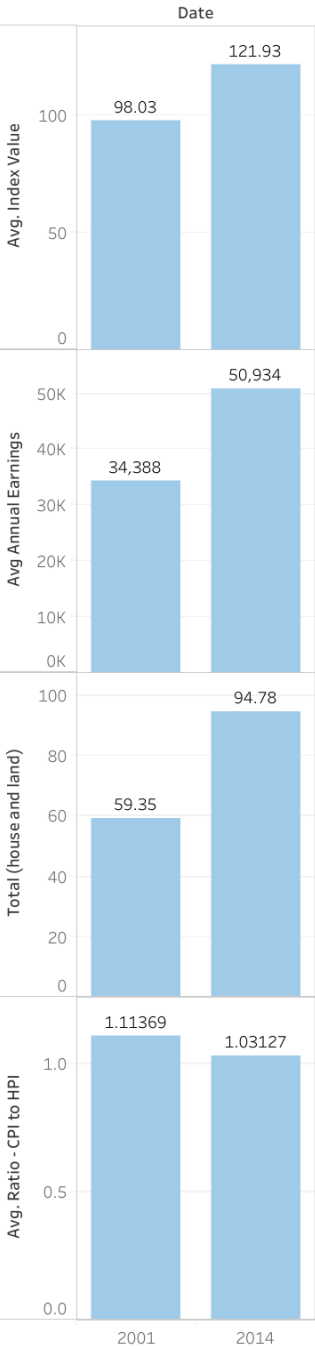




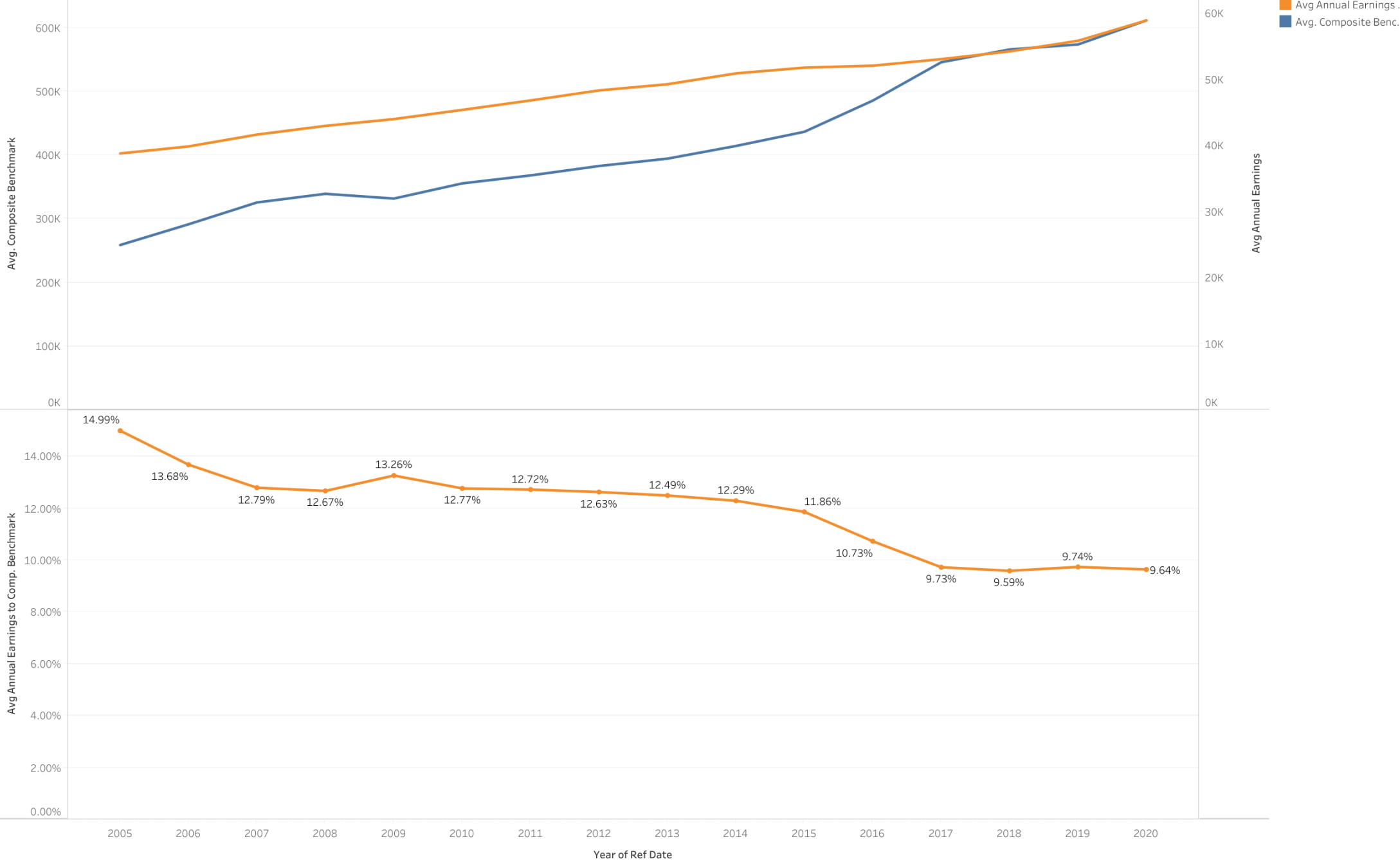
From The Data

- House prices vs earnings
 - Did people spend more of their earnings in 2014 than in 2001?

CPI/HPI to Earnings



Trend of Earnings to House Prices

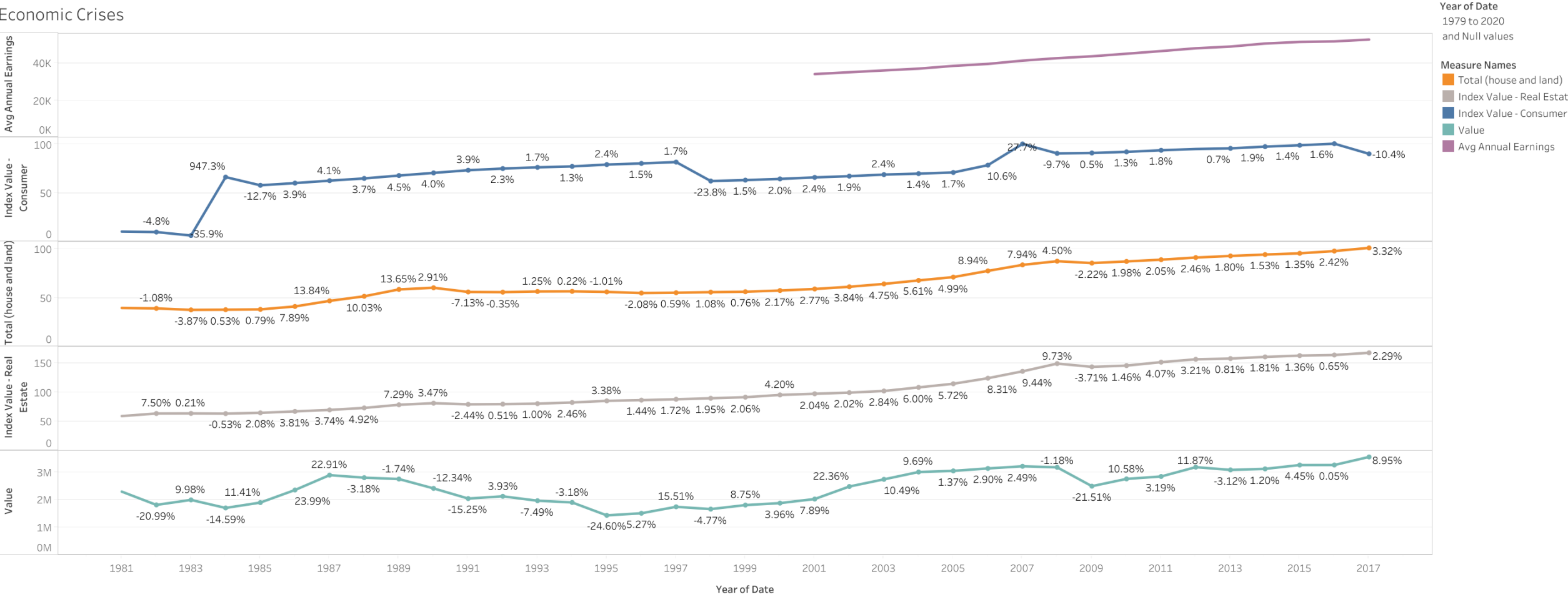




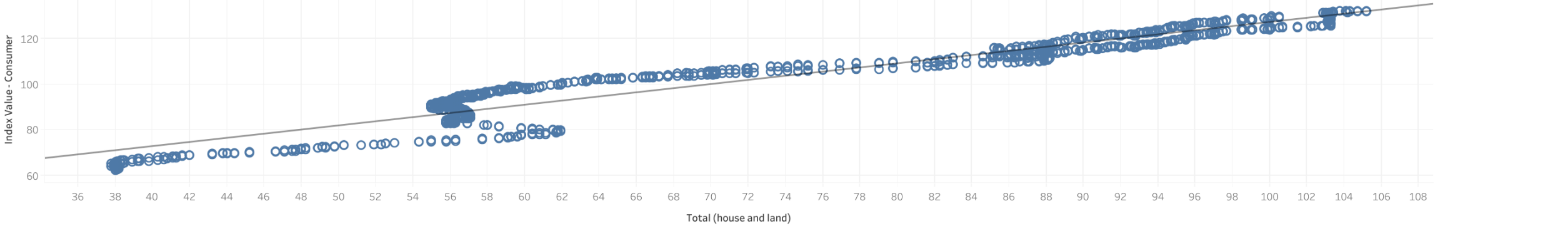
From The Data

- Effect of crises
- CPI/HPI
 - Predict CPI from HPI?

Economic Crises



Consumer Index vs Housing Price Index



Final Thoughts

- Challenges
 - Overthinking
 - Understanding which tables need to be joined
 - Selecting the proper visualizations
 - Compiling via Tableau Public
- More time
 - Ensure all the charts/graphs align with each other (filters on dashboards link properly)
 - Match units for a better apples-to-apples comparison (e.g. units of measurement, indices, etc...)
 - Use different variations of graphs
 - Identity specific points/trends on the visual to tell a better story
 - Explore using Tableau Story