An Economic Discussion of Texas Counties

Team 1

Meet the Team

John Nichols - Senior Mathematics major

Evan Florance - Senior Mathematics major

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The Visualization User

College graduates looking to start their career in Texas

Prefers more urbanized counties

Worried about the housing situation

The Visualization Task

Give the user an understanding of the current economic climate in Texas, by county.

Compare different Texas Counties on Personal Income and housing situations.

Compare different Texas Counties on Unemployment and Overall Cost of Living
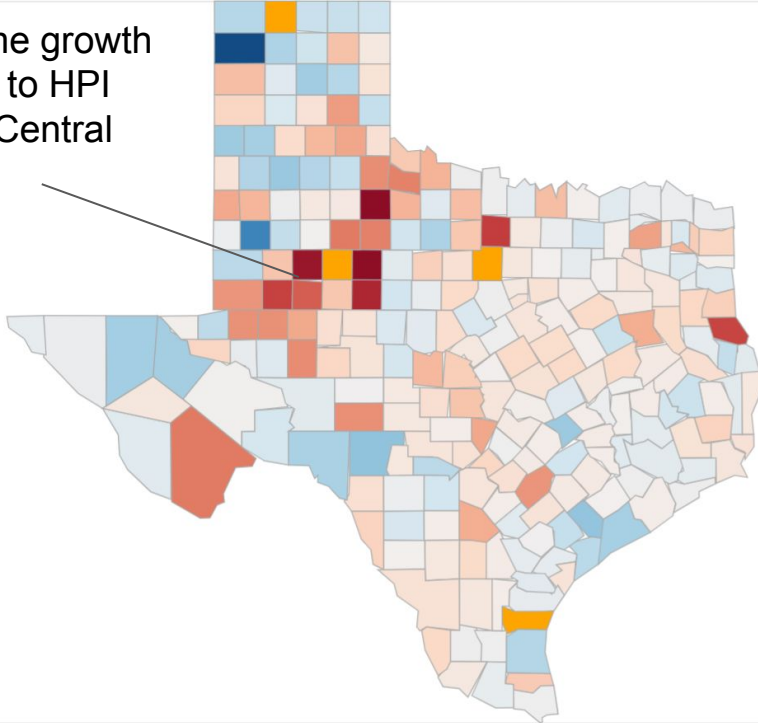
The Interactive Texas Map

Average Difference in Income and Housing Price Index Growth

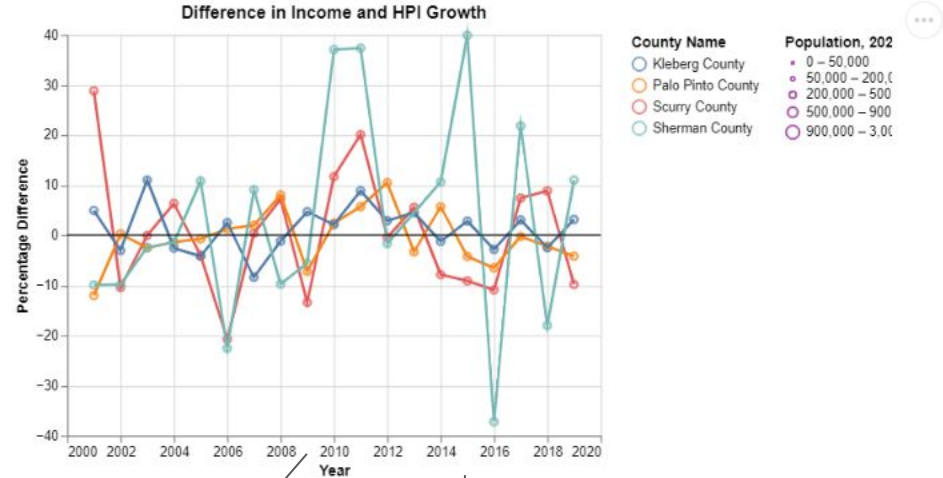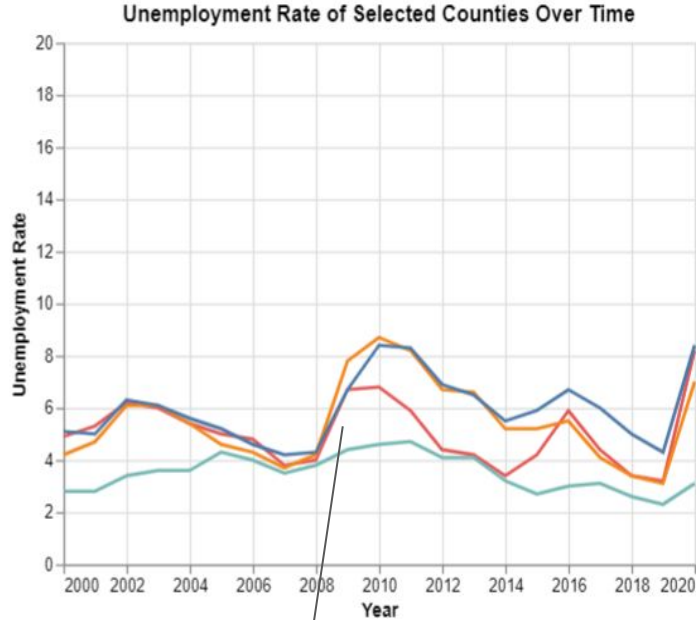Low income growth compared to HPI growth in Central Texas
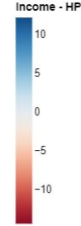
The housing price index, or HPI, measures the change of housing prices adjusted for house size and location.

The higher the growth of income compared to housing price index, the better

The Unemployment Line Chart and the Income/HPI Chart

Unemployment Rate of Selected Counties Over Time

Difference in Income and HPI Growth

This is when the Great Recession happened.

Sherman County has a lower population which results in lower house sales and more variance each year
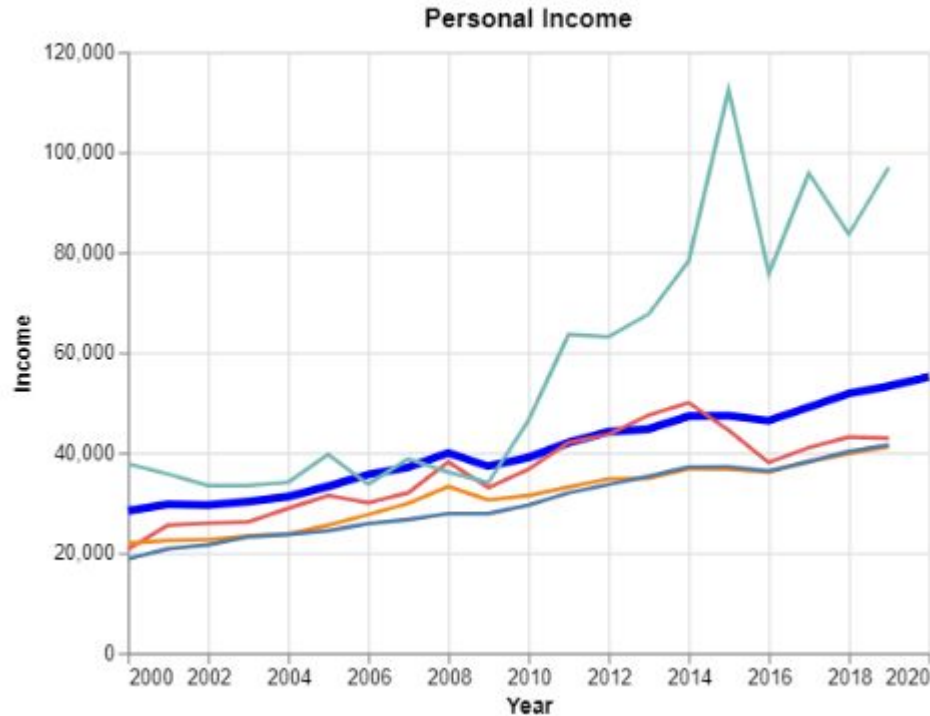
The Cost of Living and Rent vs. Own Scatterplots
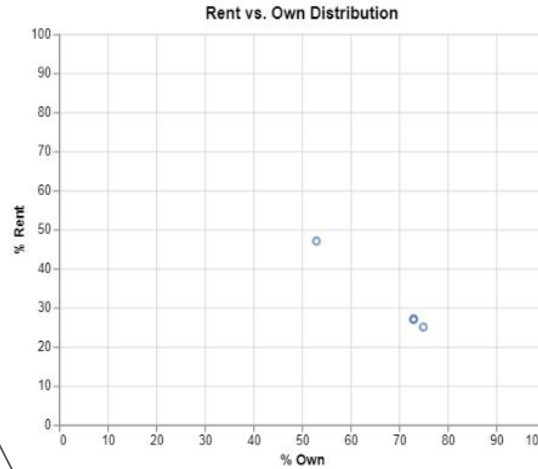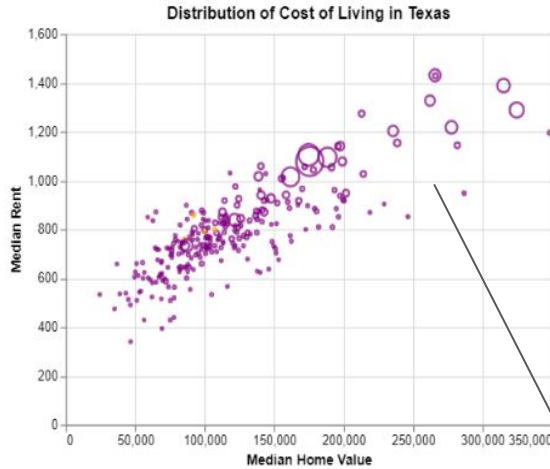
More populated counties tend to have higher median rent and home value

There is a positive relationship between median rent and median home value.

The Personal Income Line Graph

The thick blue line is the average personal income in Texas of each year.

Demo

Lessons Learned

Cleaning data is annoying and time consuming

Clear and concise communication throughout the project is necessary for success

Future Development: Implementation to cities instead of counties