Cost of Renting vs Homeownership in Minnesota Cities

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Research Questions:

1. **What was the cost of renting vs homeownership in specific cities in MN?**
2. **How has it changed from 2018-2023?**

Additional questions for future study:

1. *Is urban or rural more cost effective than the other?*
2. *Correlation between age of buyers and renters? Are younger people renting more?*
3. *Is the homeownership age higher now than in the past?*
4. *Is there a decrease in homeownership in elderly households?*
5. *Income of homeownership vs renting – what is the median income of households depending on family size.*
6. *Homeownership vs renting – based on education level*
7. *Annual tax amount w/homeownership and mortgage amount*
8. *Rent – (includes property taxes to building owner)*
9. *Income and ages of homeowners*

Project Description/Outline

Specific APIs – ZORI and ZHVI on Zillow

Comparing Renting vs Buying

In Minneapolis, Duluth and Rochester

Trending over 5 years

Steps:

1. Create a repo – Britta - done
2. Data cleaning for Zillow – Luis – end of class Tuesday 11/12
3. Define elements that are most important to us to tell the story? – end of class Tues 11/12
4. What analysis/functions are we going to run? – Jenna – end of class Thursday 11/14
5. Statistical analysis – Britta – end of class Thursday 11/14
6. Make visualizations of data and numerical correlations – Matthew – End of class Monday 11/18
7. Summarize and conclude data through presentation – Jenna – end of class Monday 11/18

Tips:

Start with cleaning the first 100 rows to get started so the code, statistical analysis, and following steps can get started.