**Executive Summary**

I am looking at housing data compared to economic data to determine if the American dream of home ownership is dead. Over the past two or three years, housing prices have soared. I believe home values have outpaced inflation, wages, and even the stock market. I will be pulling data to compare it to housing prices over the past 5 years. I will also pull data in 10 year increments to compare housing prices to the same economic indicators.

**Motivation**

*I am interested in increase in home values and would like to get a better understanding.*

**Data Question**

*Present your question. Feel free to include any research/articles that are relevant or show where others have attempted to answer this question.*

**Minimum Viable Product (MVP)**

1. *Is there a correlation between home values and inflation?*
2. *How do rates impact home values.*
3. *Is consumer confidence impacted by increasing home values?*
4. *How have home values grown compared to wages? How has the disparity grown over the past 50 years?*
5. *How have home values increased compared to stock values. Have homes become a better investment than stocks.*

*Stretch: What percent of new builds are related to the cost materials and labor? How has that changed over the years?*

**Schedule (through <date of demo day>)**

1. Get the Data (By April 12th, may require additional data)
2. Clean & Explore the Data (By April 17th)
3. Create Presentation of your Analysis (By April 18th)

* Should be a presentation, but could include a Jupyter Notebook or dashboard in Excel, Tableau, or PowerBI

1. Internal demos (<April 19th and following week
2. Demo Day!! (<April 26th>)

**Data Sources**

[*https://www.census.gov/construction/nrs/data.html*](https://www.census.gov/construction/nrs/data.html)

[*https://www.bls.gov/cpi/data.htm*](https://www.bls.gov/cpi/data.htm)

[*https://finance.yahoo.com/*](https://finance.yahoo.com/) *- for historic stock data*

[*http://www.sca.isr.umich.edu/*](http://www.sca.isr.umich.edu/)

[*https://fred.stlouisfed.org/*](https://fred.stlouisfed.org/)

[*https://www.zillowgroup.com/developers/*](https://www.zillowgroup.com/developers/)

[*https://www.zillow.com/research/data/*](https://www.zillow.com/research/data/)

[*https://finnhub.io/*](https://finnhub.io/)

**Known Issues and Challenges**

* *A lot of data to go through. Might be biting off more than I can chew.*