**Executive Summary**

*To check the birth rates through the years and see trends. I want to see how median household income, unemployment, and education affect birthrates. I will include datasets that account for unemployment, education, and birth rates. I also want to check to see if there are any significant dates that have a higher birth rate than others and to see if there are any patterns for birth rates depending on the political party in power during the years.*

**Motivation**

*Giving birth is the only way the human race is able to continue on. Children are important and being able to understand trends and see patterns can help support women. Birthing rights are under attack right now in this country, and I want to do what I can to understand trends a little better.*

**Data Question**

*Attempt to see if there any deterrents to birth rates or any dates that mothers try to specifically avoid. I want to also attempt to break it down into specific age groups to see if the age of women giving birth has changed dramatically.*

**Minimum Viable Product (MVP)**

*The final capstone should include multiple visualizations including: line charts, bar charts, scatter plots, possible stacked area charts, and possible funnel charts. I will give clear and clean points of interest and numbers/rates.*

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

1. Get the Data (5/26)
2. Clean & Explore the Data (6/1)
3. Create Presentation of your Analysis (6/18)

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

1. Internal demos (6/20)
2. Demo Day!! (6/27)

**Data Sources**

*Document the data you use and the source of that data*

[*https://www.cdc.gov/nchs/data-visualization/natality-trends/index.htm*](https://www.cdc.gov/nchs/data-visualization/natality-trends/index.htm)

[*https://github.com/fivethirtyeight/data/tree/master/births*](https://github.com/fivethirtyeight/data/tree/master/births)

[*https://www.ers.usda.gov/data-products/county-level-data-sets/county-level-data-sets-download-data/*](https://www.ers.usda.gov/data-products/county-level-data-sets/county-level-data-sets-download-data/)

[*https://fred.stlouisfed.org/series/PEAAUS00000A647NCEN*](https://fred.stlouisfed.org/series/PEAAUS00000A647NCEN)

*https://data.oecd.org/natincome/gross-national-income.htm*

**Known Issues and Challenges**

* *Data is not all in one dataset, bringing everything together to form one cohesive presentation*
* *Will have to make datasets of my own for questions I want to answer which don’t have any official datasets.*