**Executive Summary**

*I would like to look at trends regarding birth rate and religious influence in society. With data from the UN, Pew Research Center, News Polls, among others, I plan to structure a presentation that reveals any potential relationships. My assumption is that there could be a loose correlation, and I foresee challenges in grouping the data with meaningful focus.*

**Motivation**

*My wife and I are expecting our 2nd child next week. As both lifelong Catholics, I think research in this area would be very interesting.*

**Data Question**

*Does religious observance affect world fertility and birth rate?*

*Are some regions in a similar trajectory?*

*Does the formal relationship between religion and state reveal any influence?*

*Does government legislation of religious precepts show any correlation?*

**Minimum Viable Product (MVP)**

*The MVP could have analysis at the global level; this may include countries representing the major world religions alongside birth rate. I could then drill down to the United States specifically and look at trends and sentiments through surveys regarding religion and family life.*

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

1. Get the Data (finish date)
2. Clean & Explore the Data (finish date)
3. Create Presentation of your Analysis (finish date)

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

1. Internal demos (<date of internal demos)
2. Demo Day!! (<date of demo day>)

**Data Sources**

*UN World Population Prospects 2024 (population.un.org)*

*Pew Research Center (pewresearch.org)*

*National Survey of Family Growth (cdc.gov)*

*Baylor Reigion Surveys (baylorreligionsurvey.research.baylor.edu)*

**Known Issues and Challenges**

*Explain any anticipated challenges with your project, and your plan for managing them. Be sure to include:*

* *I don’t know of any API key that need as of now.*
* *I will need to clean the UN data to separate tables for countries, region, and world, only leaving columns related to population and birth/fertility rate.*
* *Wrangling the data from various religious data bases may prove difficult, but I believe there is plenty of data available.*