**Executive Summary**

My interest is to examine how recent government policies have affected birth and fertility rates over the past decade. The goal I am trying to establish is to understand the influence of policies like parental leave, childcare support, and recent changes to abortion rights on these rates. By analyzing data on birth and fertility rates from national and international sources, along with government policy and socioeconomic information, I aim to reveal the connection between policy measures and demographic changes. I am particularly interested in this topic because of my early career experience working with prenatal mothers, which sparked my curiosity about birth and fertility trends.

Key data sources will include data from the United Nations (Department of Economic and Social Affairs)

This project challenges will include exploring the assumed link between policies and birth rates. Other challenges include data availability and the time it takes for policies to show effects in data.

**Motivation**

I am motivated to write about this topic because of my firsthand experience working with prenatal mothers early in my career. This experience plus the recent policy changes has me wondering about how various factors, especially government interventions, influence birth trends and family planning decisions. Understanding these dynamics is crucial for creating effective policies that support families and address demographic challenges.

**Data Question**

Some of the questions I am interested in answering are the following:

* How have birth rates and fertility rates changed in regions or countries following the implementation of specific government policies
* How has birth rates change over time in the United States and other countries.
* How do birth and fertility rates in countries with similar economic and social conditions but different policies compare?
* How do changes in birth rates impact public health outcomes, particularly maternal and child health?
* What are the primary factors contributing to low birth rates in the country
* What are some of the main barriers preventing couples from deciding on having children or the number of children they plan on having

**Minimum Viable Product (MVP)**

Present myself and reason for my interest in topic (how my experiences sparked my interest)

Have a brief overview of topic

Include a world overview of population over time with a visualization/diagram

Intro to countries with notable policy that effect birth rates

Visualization on trends in births

Go into recent policy changes here in USA and the data over any birth rate changes if any

Areas for further research and study

Recap of key findings and insights

**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**

I have attached new dataset.

**Known Issues and Challenges**

This project challenges will include exploring the assumed link between policies and birth rates. Other challenges include data availability and the time it takes for policies to show effects in data.