**Executive Summary**

*This section provides an overview to the project. It should briefly touch on the motivation, data question, data to be used, along with any known assumptions and challenges.*

**Motivation**

*When I moved to Cleveland, OH I was surprised at the lack of alternate birth options to hospital births. I had coached a friend through two beautiful natural births in a small birth center and had dreams that when it was my turn, I would also birth in the comfort of a not hospital yet safe place.*

*When I became pregnant with my first child, I looked into other options rather than birthing in a hospital but was dismayed that those options did not exist in Cleveland. I searched out midwives and doulas and ended up doing a homebirth for a myriad of reasons and was happy overall with my choice.*

*Since then, I have always been interested in learning more about the process of birth in the Western world, specifically how the use of interventions can block our bodies natural abilities and create more complications as well as the drastically high number of maternal deaths and complications compared to other developed countries in the world.*

**Data Question**

*I want to look at whether having interventions results in more birth complications and whether the rate of intervention could help explain the higher rate of maternal deaths and complications in the US versus other places in the world. Also, would like to look at if there are better outcomes when birthing in birth centers rather than hospitals.*

**Minimum Viable Product (MVP)**

*My final capstone will include a visualization comparing rates of interventions and rates of complications as well as other relevant data. The intended audience will be OBGYN’s to get a better understanding how they can help create a more natural birth and thus reduce the rates of complications.*

**Schedule (through 4/29/2022)**

1. Get the Data (3/28/2022)
2. Clean & Explore the Data (4/15/2022)
3. Create Presentation of your Analysis ()

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

1. Internal demos (4/22/2021)
2. Demo Day!! (4/29/2022)

**Data Sources**

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

**Known Issues and Challenges**

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

* *If you need to request data or an api key*
* *Based on your data sources, known data cleaning steps*