**Executive Summary**

Analyze National Park data to evaluate the top 5 safest and 5 most dangerous national parks in the Intramountainous Region, then provide possible strategies to improve those parks with the most dangerous statistics into a safer range for visitors.

**Motivation**

There is nowhere I would rather spend my time than being outdoors exploring and enjoying all nature has to offer. Unfortunately, I have always felt limited from fully enjoying many parks anytime and anywhere I like due to fear of being unsafe if alone or, if in unfamiliar territory. I am sure I am not the only one who feels this way and would like to analyze the data that can give me a clearer understanding of what makes a park safe or dangerous and offer insights on how our park system can improve the safety of these parks.

**Data Question**

Using 5 key identifiers and a point system find which Intramountainous Region National Parks have the safest and which five have the most dangerous rating.

Supporting questions will include analyzing the role both gender and age have in fatalities withing these parks. Finally, my stretch goal will be to do a comparative analysis between the parks of the Intramountainous Region to those National Parks in the Southeast Region.

**Minimum Viable Product (MVP)**

This project is aimed to be assistance to the National Park Service (a federal agency), and the National Park Foundation, (a nonprofit partner of the National Park Service) that manages the United States national parks, police, Search and Rescue, and to the general public who wish to enjoy the parks and all they have to offer.

The project plans to be presented using Power BI slides and an interactive dashboard. There will be definitions as is relevant and citing’s of data sources.

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

1. Get the Data (12/9)
2. Clean & Explore the Data (12/12)
3. Create Presentation of your Analysis (12/20)

* 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**

NPS.org is the primary data source for all aspects related to the parks. Data was also found at LatLonglogo, and SAR for search and rescue data.

**Known Issues and Challenges**

For me, the challenges I foresee will be more in line with my being able to stay focused on the question outlined and not going off track and thus getting behind in the timeline. I would like my presentation to be simple, accurate and answer the questions I posed.