**Team PJT – Outline (As of 0711)**

**[ Part I – What are the Happy or Miserable Countries? ]**

* [Intro] How happy are you? (from 0 – 10 Scale)

What about the people in the world? (2018 Happiness Score)

* World Population Happiness Score - Pie Chart (Jun)-
* Which region and counties are the happiest? (2019 ranking)
* Geographical Heatmap (Mark)
* What are the yearly changes of the rankings by region ? (2015-2019 rankings)
* Data Merging, Line Graph (Soobin)
* What are the yearly changes of a specific country compared to the world average? (2006-2018 happiness scores)
* Data Merging / Happiness Score Boxplot (Jun)
* Data Merging / Line Graph / Input Query (Jun)

**[ Part II – What Factors Correlate More with the Level of Happiness? ]**

* What are the top two highly correlated factors among 10 indices (Rankings)

1) GDP, 2) Social Supporting, 3) Life Expectancy, 4) Freedom,

5) Generosity, 6)Corruption Level, 7) Obesity, 8) Unemployment,

9) Birth Rate, 10) Population Density

* Data Merging (Paul)
* Scatter Plot of each factor
* Coefficients Line for each plot
* Bar Graph of the correlation ranks
* What are the correlations of 10 factors for each country’s happiness level?
* Input Query
* Bar Graph

**[ Part III – Why and How the Top Two Factors Are Correlated with Level of Happiness ]**

* Try to explain the results, conclusions, limitations