The Winners:

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World Happiness Report:

The World Happiness Report is a landmark survey of the state of global happiness. The first report was published in 2012, the second in 2013, the third in 2015, and the fourth in the 2016 Update. The World Happiness 2017, which ranks 155 countries by their happiness levels, was released at the United Nations at an event celebrating International Day of Happiness on March 20th. The report continues to gain global recognition as governments, organizations and civil society increasingly use happiness indicators to inform their policy-making decisions. Leading experts across fields – economics, psychology, survey analysis, national statistics, health, public policy and more – describe how measurements of well-being can be used effectively to assess the progress of nations. The reports review the state of happiness in the world today and show how the new science of happiness explains personal and national variations in happiness.

We are using three csv files that consisting of three years of data (2015,2016 & 2017)

The columns can be described as follows:

* Country : Name of the country.
* Region : Region the country belongs to.
* Happiness : Rank of the country based on the Happiness Score.
* Happiness Score : A metric measured in 2015 by asking the sampled people the question: "How would you rate your happiness on a scale of 0 to 10 where 10 is the happiest."
* Standard Error : The standard error of the happiness score.
* Economy(GDP per Capita) : The extent to which GDP contributes to the calculation of the Happiness Score.
* Family, Health(Life Expectancy) : The extent to which Family contributes to the calculation of the Happiness Score
* Freedom : The extent to which Freedom contributed to the calculation of the Happiness Score.
* Trust(Government Corruption) : The extent to which Perception of Corruption contributes to Happiness Score.
* Generosity : The extent to which Generosity contributed to the calculation of the Happiness Score.
* Dystopia Residual : The extent to which Dystopia Residual contributed to the calculation of the Happiness Score.

**Work Proposal:**

* Downloading of data for 3 years . CSV => JSON Femy
* Load data into db - MySQL Ratna
* List of countries need Lat / Lon and load into db Ratna
* Visualization:

1. word map . Top Happy / Not Happy countries with markers. ( Year over Year ) . Sandino
2. Will need a drop down for the years / multiple label axis
3. Markers : The driven Factors for each countries scores.
4. Heat map based on all countries which will represent on the overall World map
5. Creating an app as to deploy in Heroku. Payal/Niharika
6. PlotLy visualization
7. Presentation :

**Data Source:**

* <https://www.kaggle.com/unsdsn/world-happiness>

**Git Repository link:**

* **https://github.com/femiode01/The\_winners.git**