World Happiness Visualization

Presentation Layout

Isabella

Gabriel

Javier

[Slide 1] Introduction of team members (1min)

[Slide 2] Explain what is Life Ladder and the World Happiness Report. Explain how it is measured. (2min)

[Slide 3] Talk about the objectives of the analysis and the goals to achieve. (1min)

[Slide 4] How we plan to answer some of the questions. (1min)

[Slide 5] Talk about original objective regarding comparing COVID impact on countries around the world and see if Life Ladder and its features had any relation to the impact COVID had. (1min)

[Slide 6] Explain the features and how they are measured. Talk about the type of questions in the surveys. (3min)

[Slide 7] Methodology of the study. (3min)

* World Happiness Report 2008 – 2020
* COVID deaths around the world for 2020
* World Population 1960 – 2020 by World Bank

Merge and cleaned the data to create different datasets for various studies using PostgreSQL and Python. The data was then fed to different python based Machine Learning algorithm for analysis and to Tableau for visualizations.

[Slide 8] Challenges in the study (1min)

* Talk about the limitation on COVID deaths data and reliability issues.
* Missing data from the World Happiness Report. Attempt of contact made but unsuccessful.

[Slide 9] Data Analysis (4min)

* Explain the methods used to analyze the data and produce meaningful results
* Talk about failed methods and if there was any meaningful insights from them.

[Slide 10] Dashboard (6min)

* Explain the dashboard features and how to navigate it.
* Make it interactive and motivate attendees to calculate their life scores. (provide the GDP for the USA)

[Slide 11] Dashboard details (4min)

* Explain how the dashboard was designed

[Slide 12] Conclusion (5min)

* Go over the feature importance. Leverage the impact each variable in calculating the Life Ladder had.
* Include a visualization of features importance. Isabella produced the material.

[Slide 13] Insights (3min)

* Go over similarities of the top 10 countries
* Include visualizations that compares top and bottom countries. Javier can produce it on Wednesday afternoon.

[Slide 14] Insights (3min)

* Go over similarities of the bottom 10 countries

[Slide 14] Go over future analysis possibilities (2min)

[Slide 15] Yell a huge Wow and say whatever. (10 long seconds)