**What Makes Us Happy?**

**Project Title:** What makes us Happy?

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**Background:**

Australia recently ranked the 12th happiest country in the world according to authors of the 2021 World Happiness Report. The report reviews the state of happiness in the world today. But what Makes us Happy? What makes you happy? What makes me happy? Surely there would be endless variables that would make a person happy? How does wealth play a part in happiness? What about Freedom? Education level? Does that person have a significant other or live in a family unit? Do they own a pet? Do they exercise regularly, eat well, drink perhaps, but maybe only moderately?

Not only does this report contain clues as to What Makes Us Happy, it is increasingly being used by governments, organisations and civil society to inform policy-making decisions and how well-being can be used to assess the progress of nations. Our analysis will investigate economic, social, and world factors that lead to greater happiness.

**Aims :**

Determine which countries/parts of the world are the happiest?

* Assess the impact of the following factors on a countries happiness rating:
  + Economic
  + Social
  + Environmental
  + World (eg. COVID)
* What can we do to improve the global happiness in the world? (what issues to focus on)

**Motivation**:

* Make a better world by knowing what to focus on to improve global happiness

**Datasets to be used:**

Happiness Data

* World Happiness Report (2021 and Historical Datasets) <https://www.kaggle.com/ajaypalsinghlo/world-happiness-report-2021>
* https://knoema.com/atlas/Australia/topics/World-Rankings/World-Rankings/Happiness-index

Economic

* WHO GDP: <https://data.worldbank.org/indicator/NY.GDP.MKTP.CD>

Social

* Life expectency (present in happiness dataset)
* Psychological factors - Depression Rates:  <https://worldpopulationreview.com/country-rankings/depression-rates-by-country>

Environmental

* OpenWeatherMap API https://openweathermap.org/api

World (eg. COVID)

* Mulesoft COVID data API <https://www.mulesoft.com/exchange/68ef9520-24e9-4cf2-b2f5-620025690913/covid19-data-tracking-api/>
* https://www.kaggle.com/mathurinache/world-happiness-report-20152021

Additional Datasets

* Google Maps API <https://developers.google.com/maps/documentation/places/web-service/overview>

**Tasks:**

-        Create GitHub Repository – Jimmy

-        Collate brainstorming and submit description of scope - Dale

-        Create Pandas Notebook and upload to GitHub – Adam

-        Source data and upload to GitHub (.csvs, APIs) - All

-        Cleaning and merging data

-        Happiness layer into a google maps