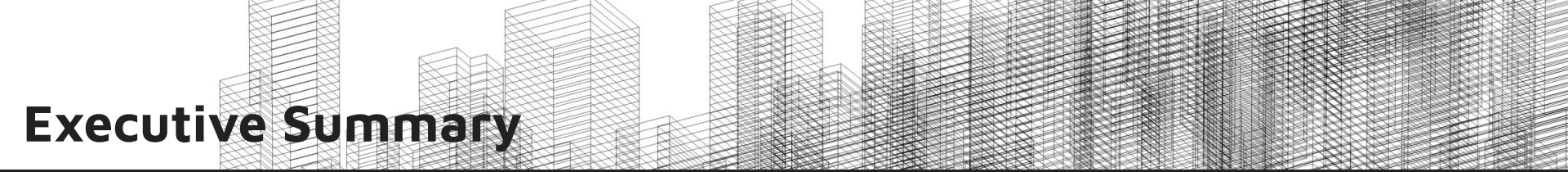


# What Determines Happiness?

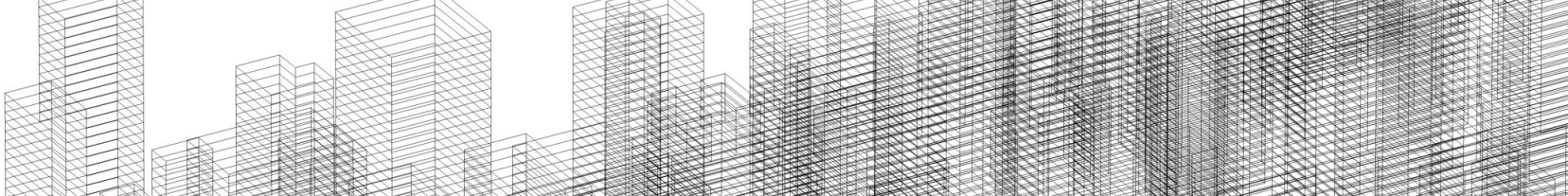
Final Project





# Executive Summary

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## **Team Members / Roles**

Marc Corti - Data Engineer

Zohair Khan - Machine Learning

Nancy Condon - Dashboard

# The Tool Box



pgAdmin

Management Tools for PostgreSQL

## Algorithms

Linear Regression

Random Forest

PCA

Gradient Boosting



Python



+tableau®

# What About The Data?

Data was sourced from the United Nations (11 assorted datasets) and Economist Intelligence Unit (1 dataset), a UK-based private company which publishes a weekly paper.

Business\_Scores\_2019.csv

Consumer\_Price Index\_2019.csv

Country.csv

GDP\_Per\_Capita\_2019.csv

Gender\_Ratio\_2019.csv

UN\_Infant\_Mortality\_2020.csv

UN\_Life\_Expectancy\_2020.csv

UN\_Population\_Density\_201.csv

UN\_Seats\_Held\_by\_Women\_20

## Questions To Be Answered



Is there an indicator(s) within the dataset that will affect the happiness score (ladderscore)?



2

Is happiness related to increase in a nation's wealth?



3

Is there an opportunity to use public policy to improve happiness?



