

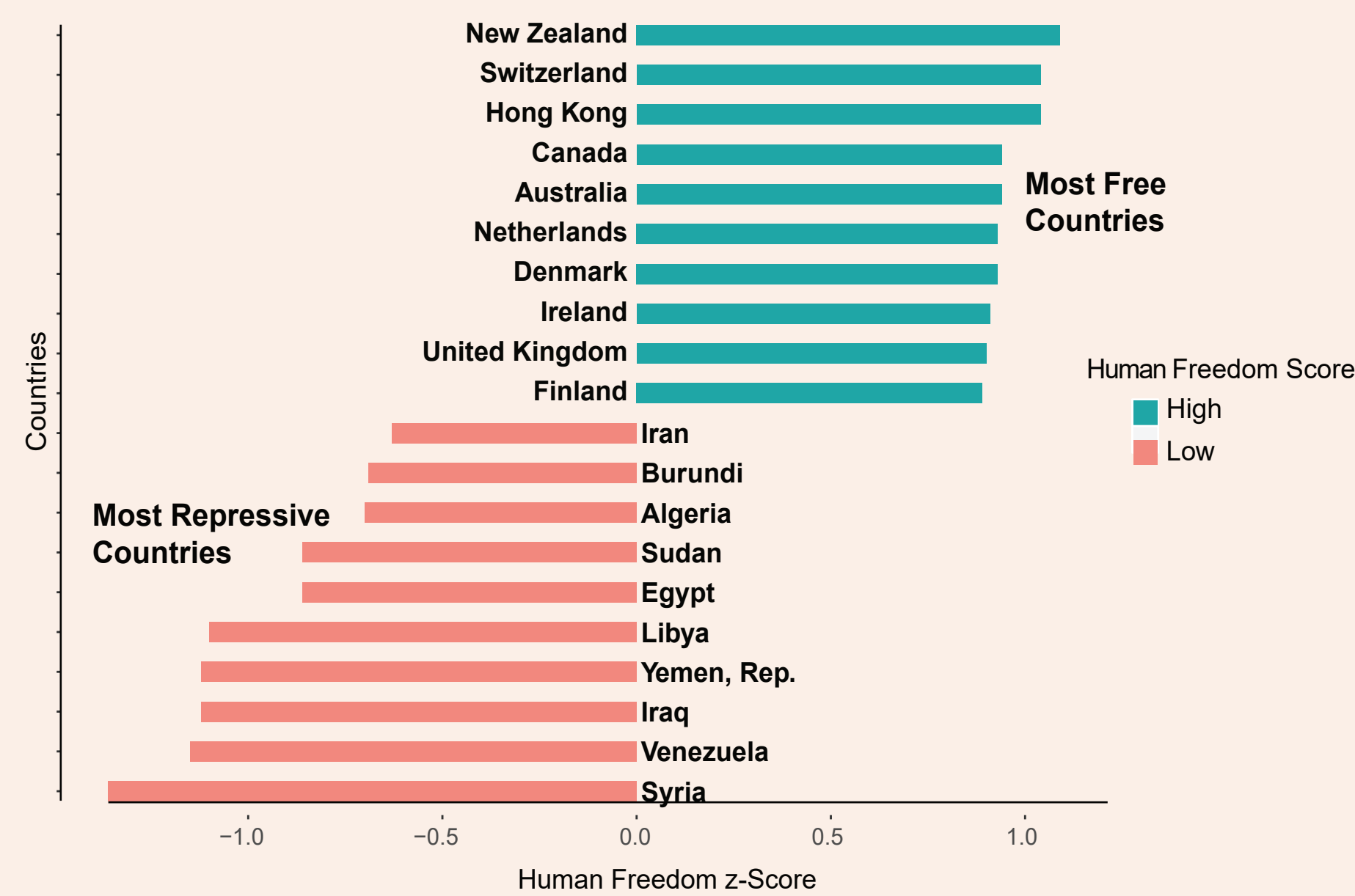
HUMAN FREEDOM INDEX

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IST 719 Information Visualization

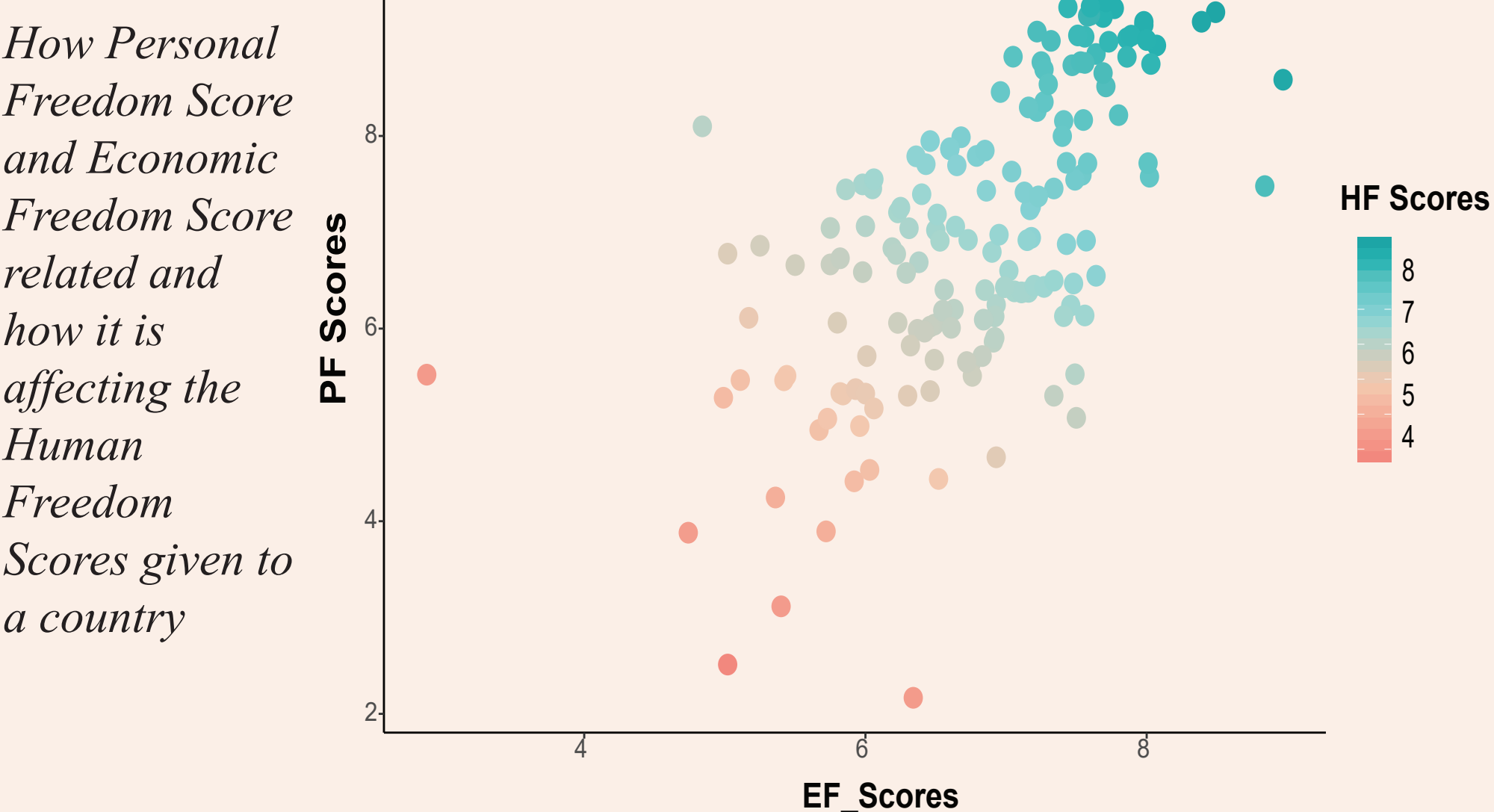
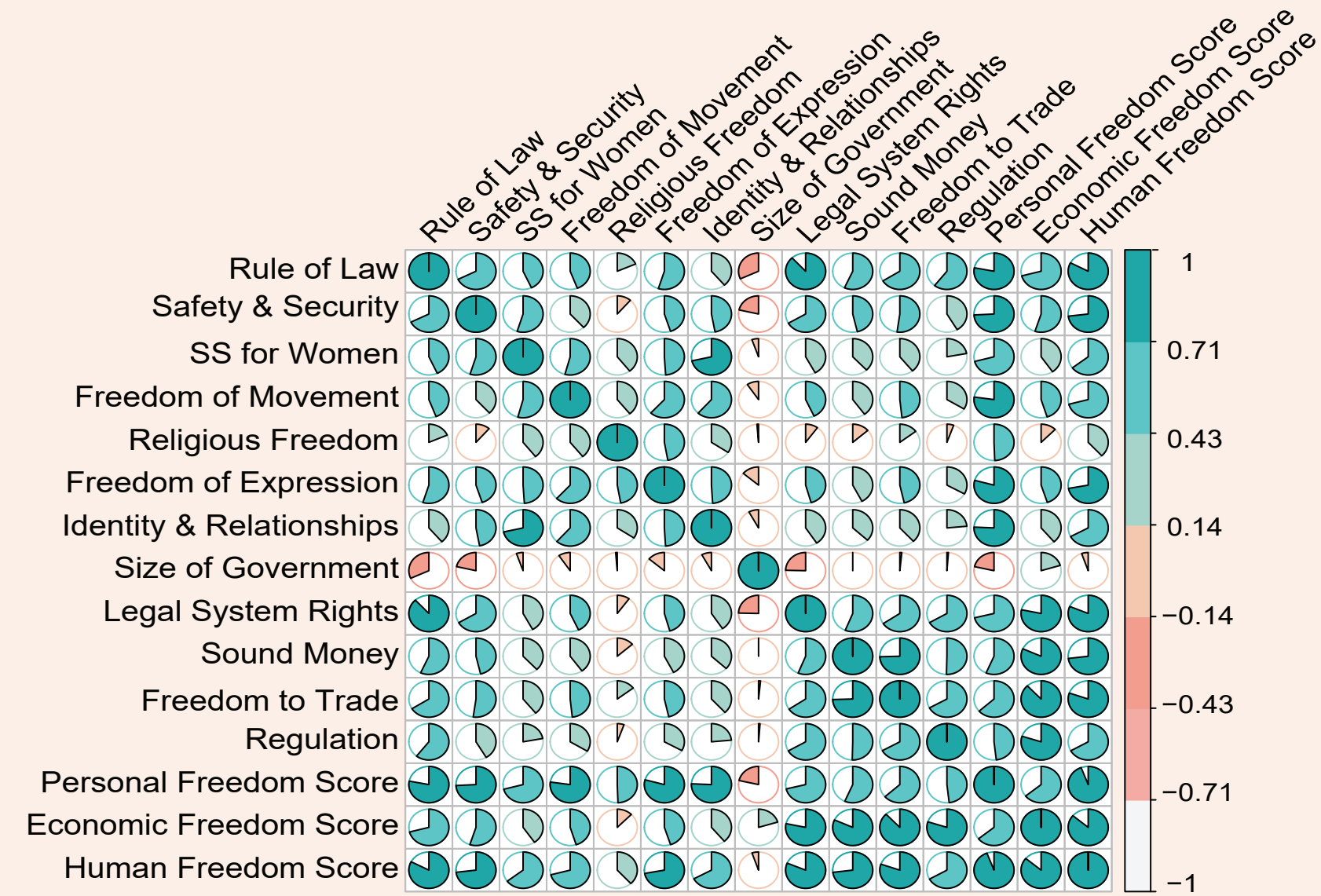
Story

The Human Freedom Index is a measure of personal, civil and economic freedoms in the world. It helps us understand the state of overall human freedom across the world and explore how it can be related to different social aspects.

What are the countries with highest and lowest Human Freedom Scores?



How are different freedom laws affecting the Human Freedom scores?

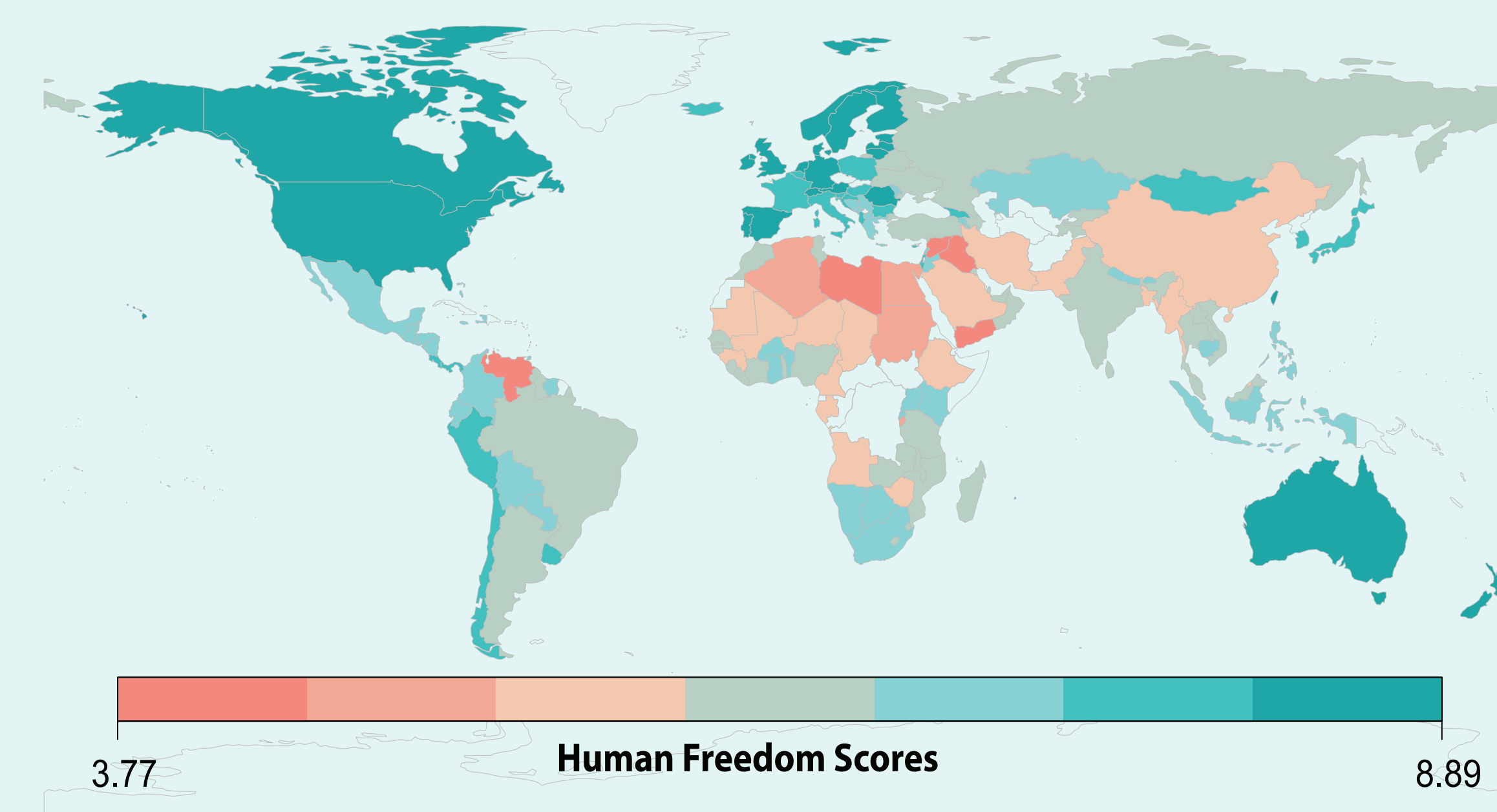


Motivation

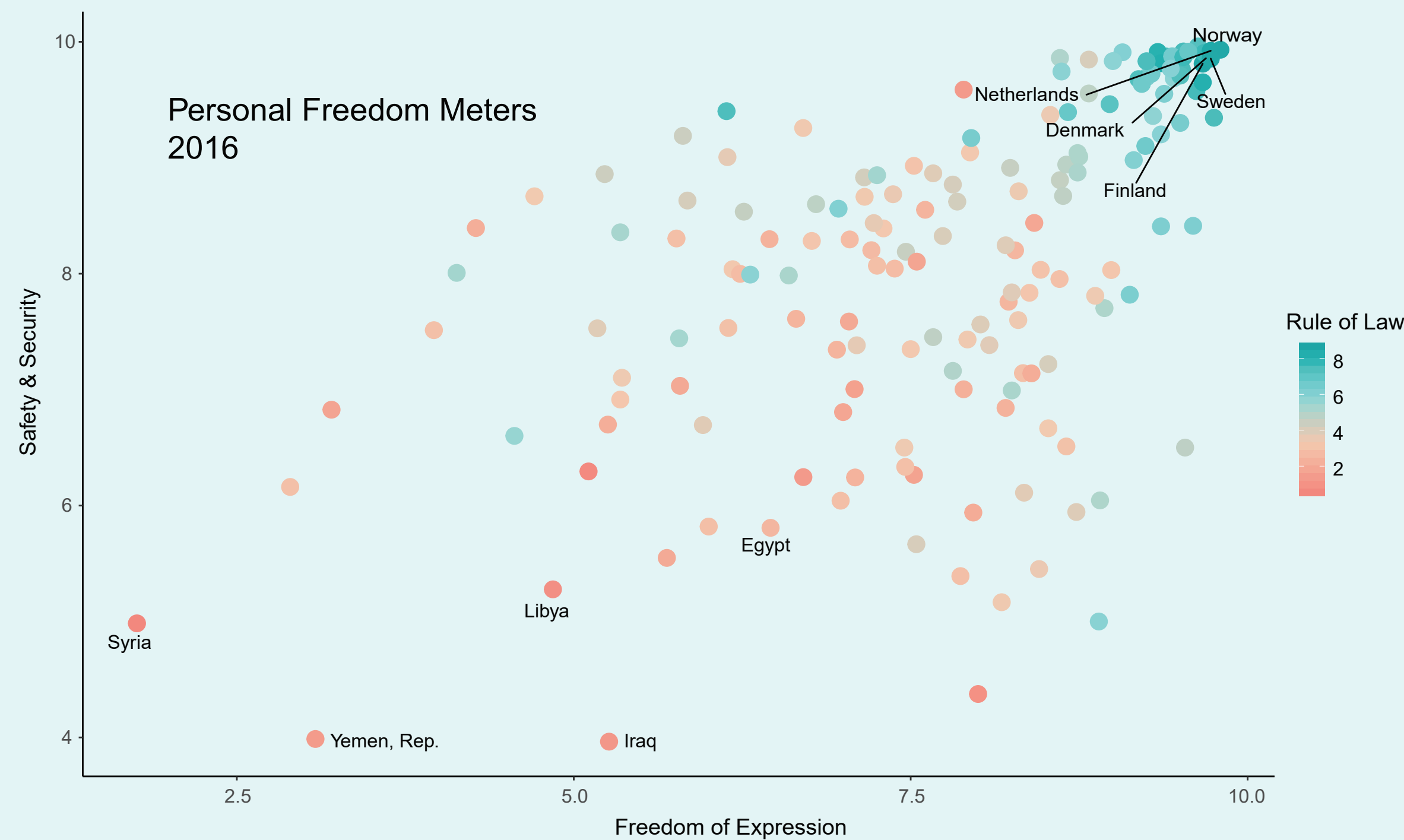
Freedom is a very broad term and different people have their own version of what truly constitutes as freedom. The attempt is to provide a glimpse into the current state of human freedom across the world based on personal and economic freedom parameters.

This project aims to catch the attention of general public especially the young adults who can shape the future of the world, and plant a seed of thought about what freedom really means and how it differs in different countries.

Human Freedom Scores across the world



How do personal freedom law scores relate to each other and what are top & bottom countries based only on personal freedom scores?



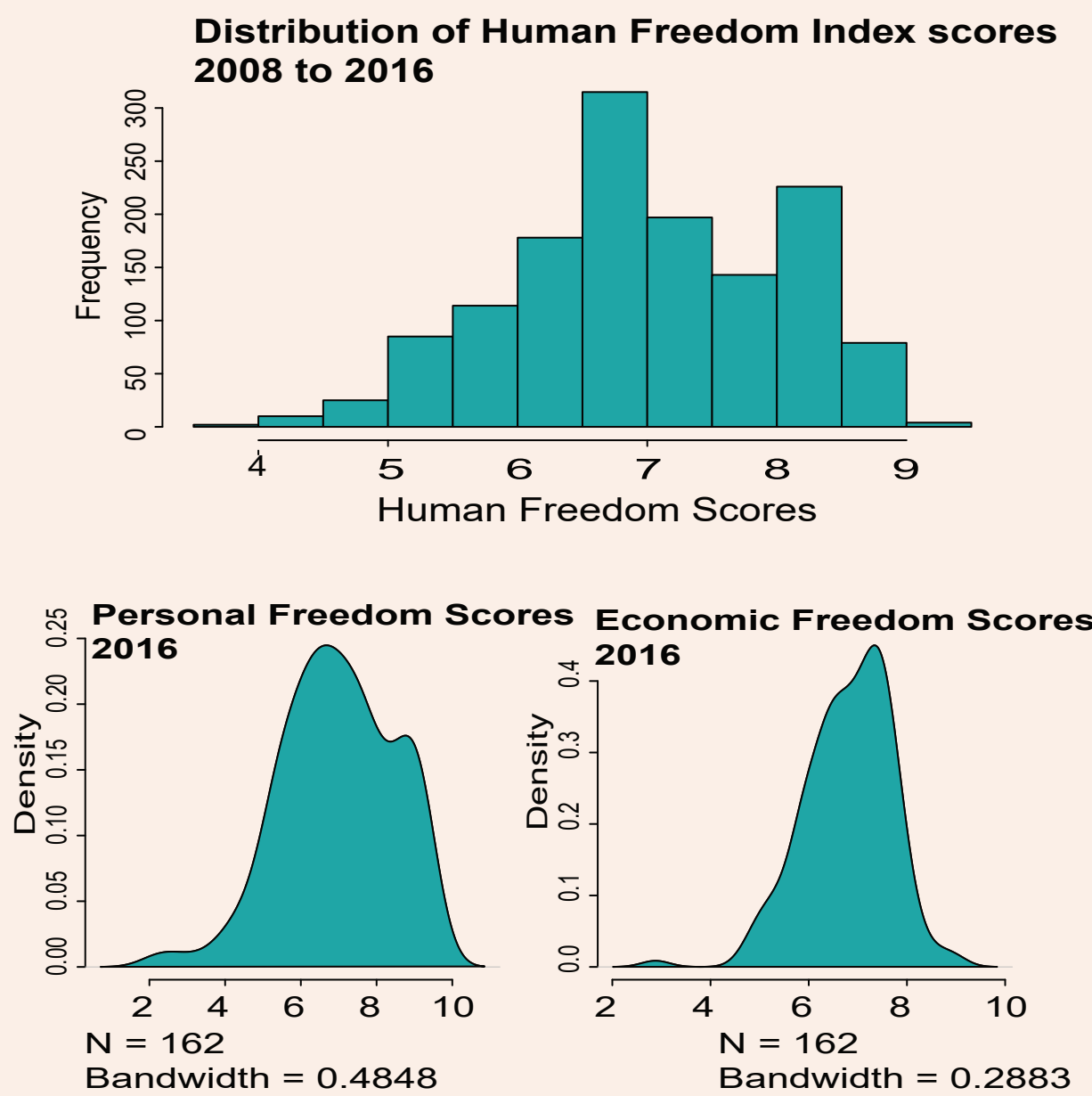
Libraries Used:

library(ggplot2), library(corrplot), library(RColorBrewer), library(gridExtra), library(rworldmap), library(ggmap), library(maps), library(leaflet), library(dplyr), library(stringr), library(lubridate), library(ggmap)

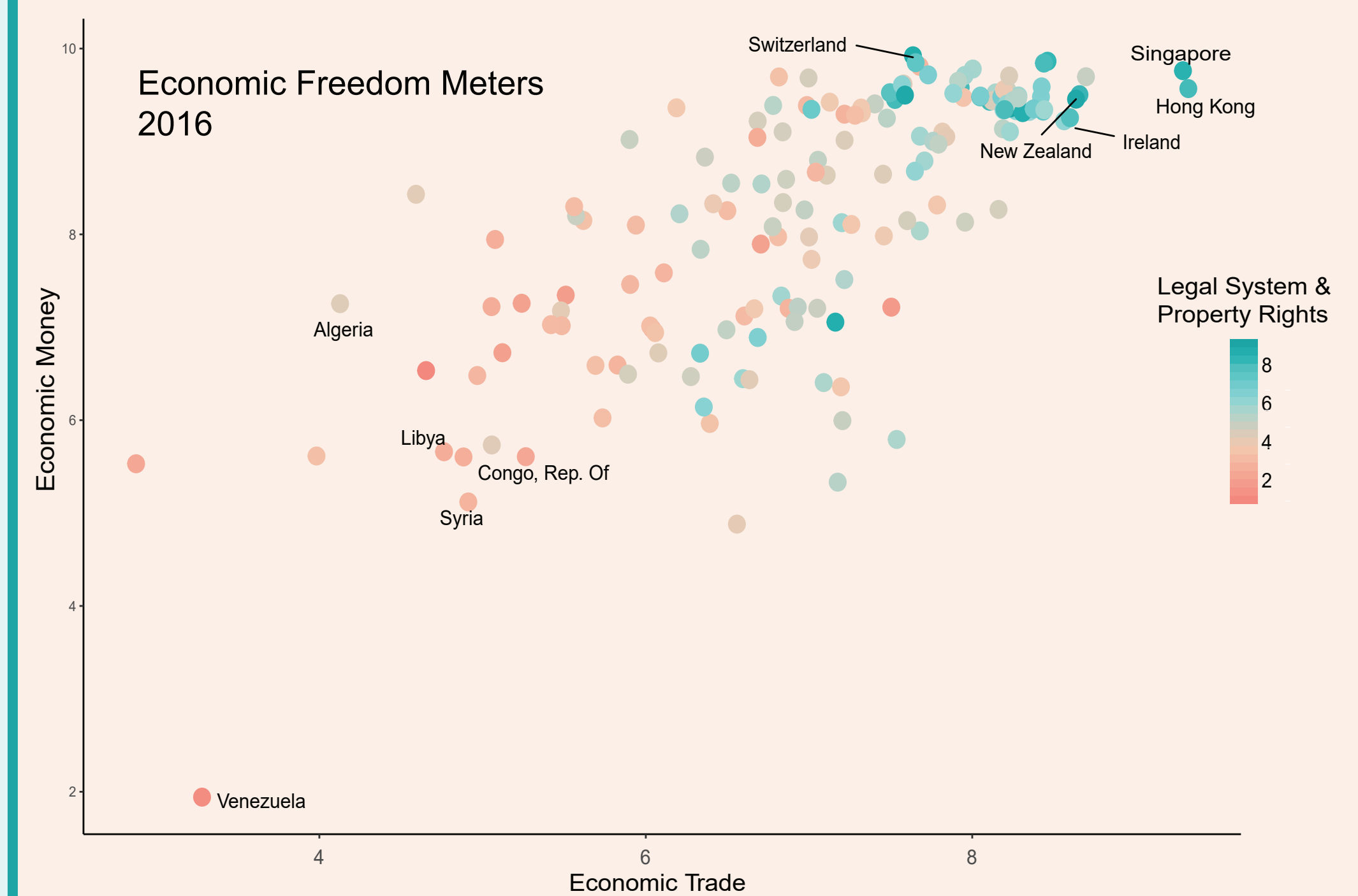
Data Description

The data consists of:
1458 rows
123 columns

The major types of freedom laws which help calculate Human Freedom Scores are 9. These laws are further sub-categorized into 59 personal freedom law columns and 57 economic freedom law columns.



How do economic freedom law scores relate to each other and what are top & bottom countries based only on economic freedom scores?



Conclusion

Exploring this dataset made me realize that human freedom is a lot more complex than it may seem. Datasets such as these offer insights into some of them, and shows how human freedom is influenced by a multitude of factors that are based on personal, political and economical freedom parameters.

From my analysis, although personal freedom and economic freedom scores are highly correlated to overall human freedom scores, personal freedom metrics seem to have more effect on determining human freedom scores than economic freedom metrics.

This project has a lot of future scope for research and can be analyzed in many different ways to obtain interesting insights.

Data Source: <https://www.kaggle.com/gsutters/the-human-freedom-index>