World Happiness Report

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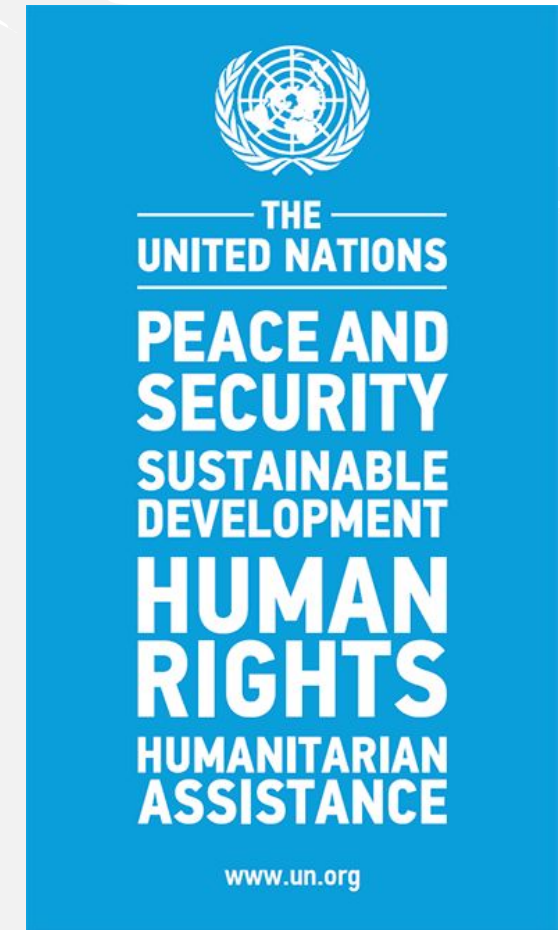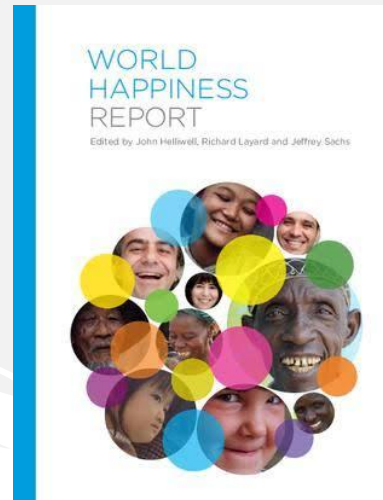
Agenda

1 Introduction

2 Data Preparation

3 Analysis

4 Conclusion

Why World Happiness Data Set?

- The World Happiness Report is an annual publication of the United Nations Sustainable Development Solutions network which contains rankings of national happiness and analysis of the data from different perspectives.

- Gallup World Poll Methodology

- In July 2011, the UN General Assembly resolution 65/309 Happiness: Towards a Holistic Definition of Development inviting member countries to measure the happiness of their people and to use this data to help guide public policy.

World Happiness Report 2019

The World Happiness Report is a landmark survey of the state of global happiness that ranks 156 countries by how happy their citizens perceive themselves to be. This year's World Happiness Report focuses on happiness and the community: how happiness has evolved over the past dozen years, with a focus on the technologies, social norms, conflicts and government policies that have driven those changes.

Explore the Report

MARCH 20, 2019

WORLD HAPPINESS REPORT
Edited by John Helliwell, Richard Layard and Jeffrey Sachs

THE UNITED NATIONS
PEACE AND SECURITY
SUSTAINABLE DEVELOPMENT
HUMAN RIGHTS
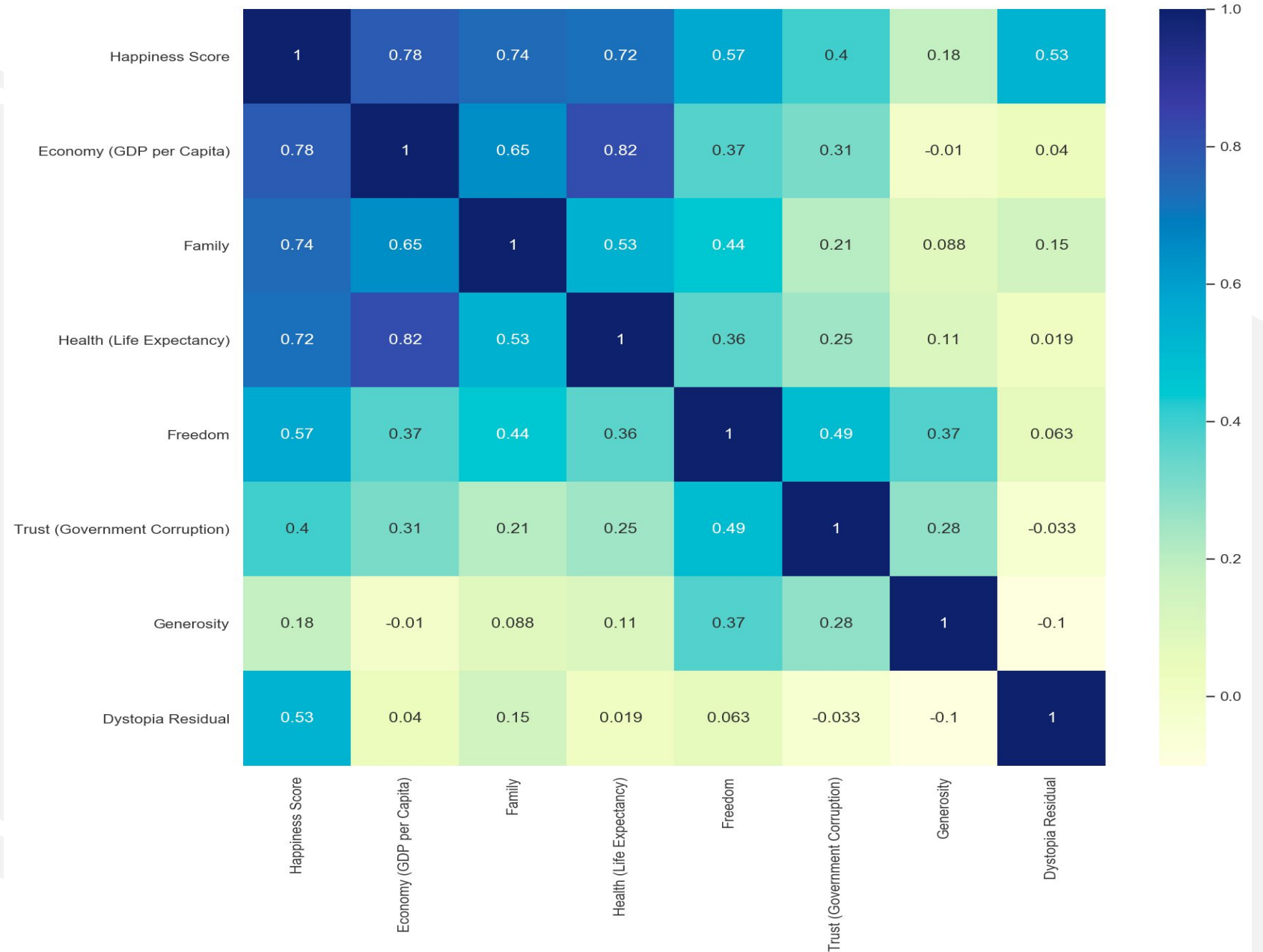HUMANITARIAN ASSISTANCE

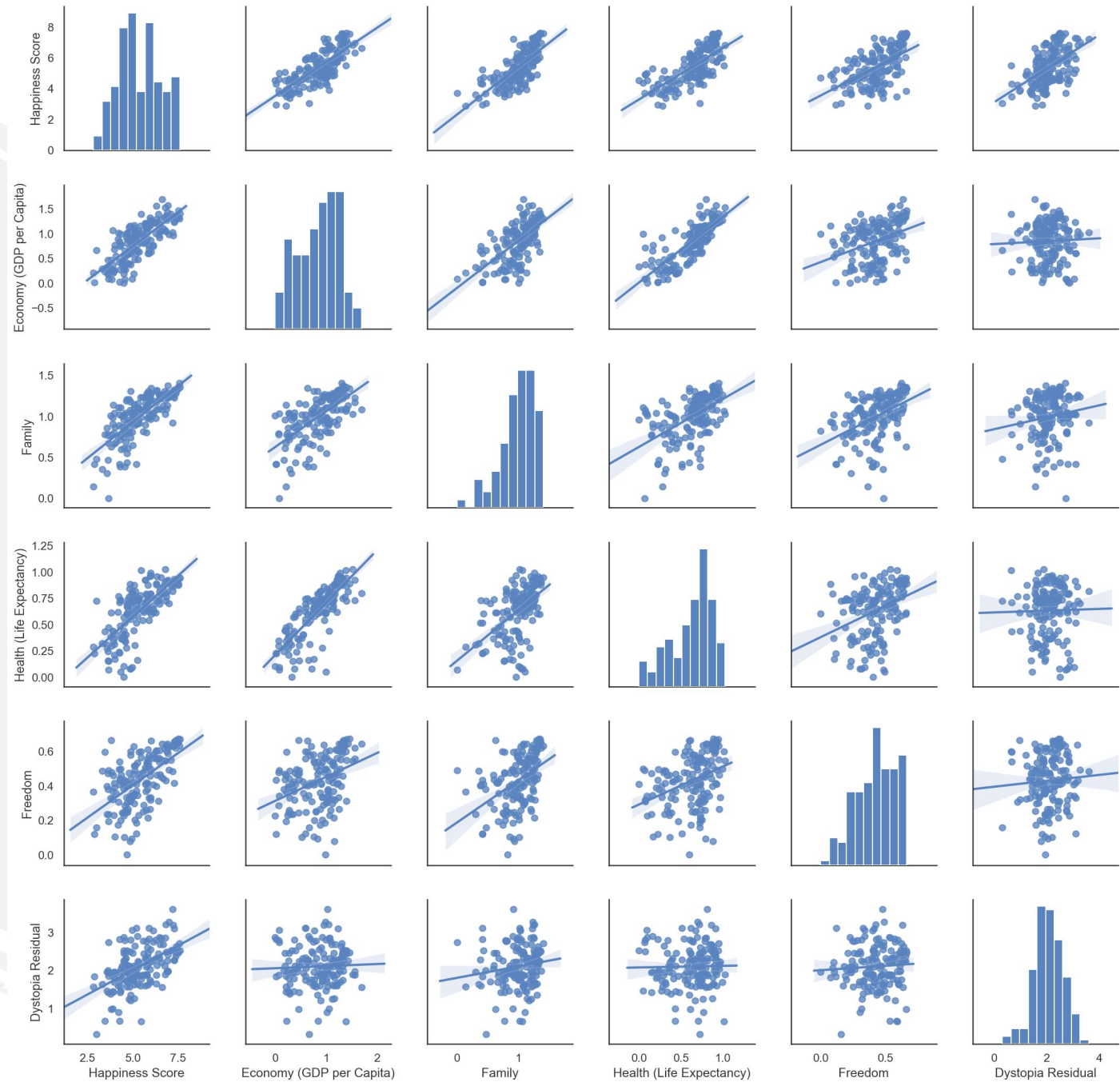www.un.org

Introduction to Data

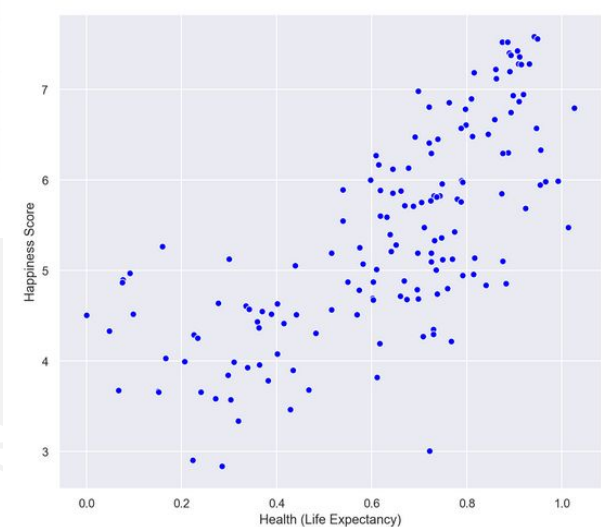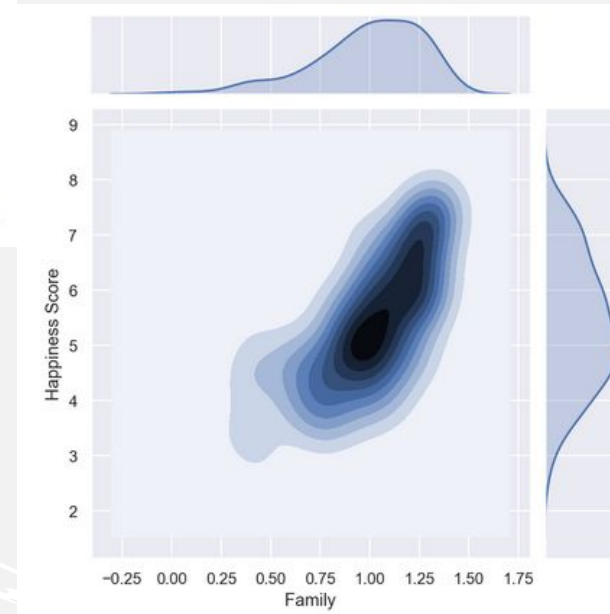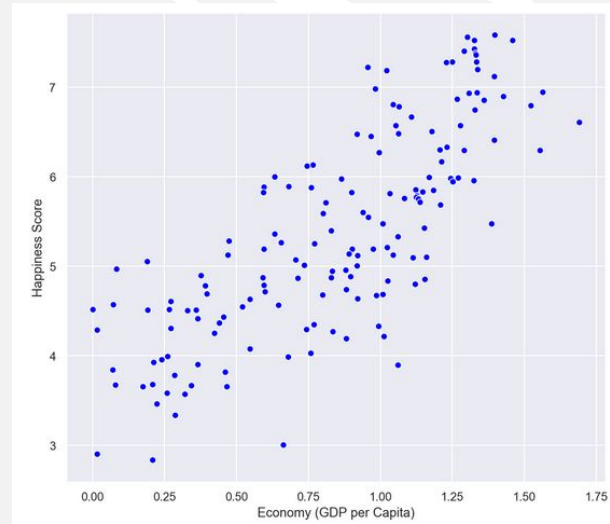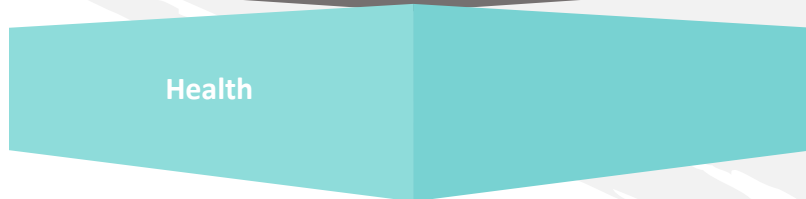- Happiness Score is a metric measured in 2015 by asking the sampled people the question: "How would you rate your happiness on a scale of 0 to 10 where 10 is the happiest."
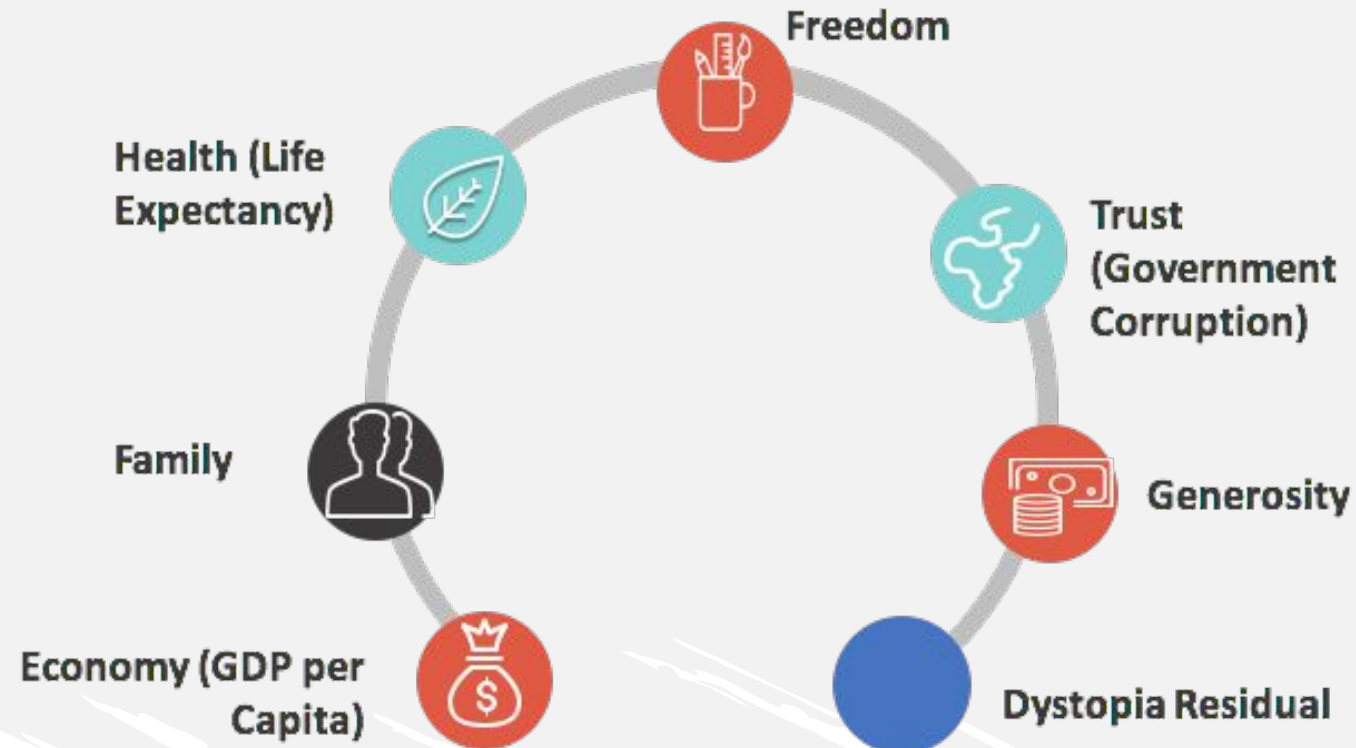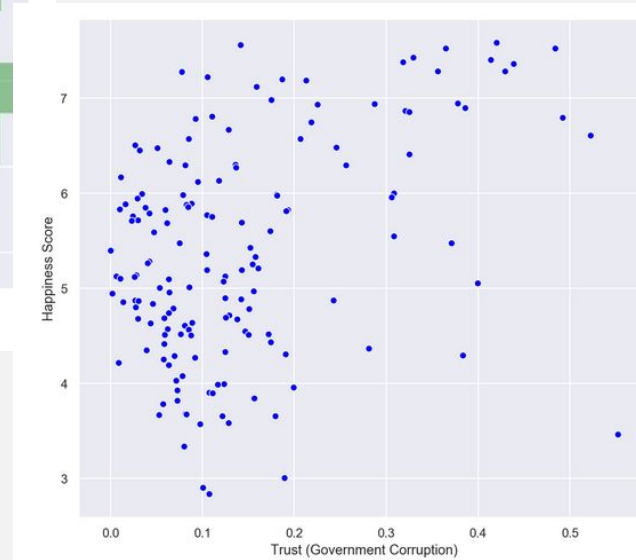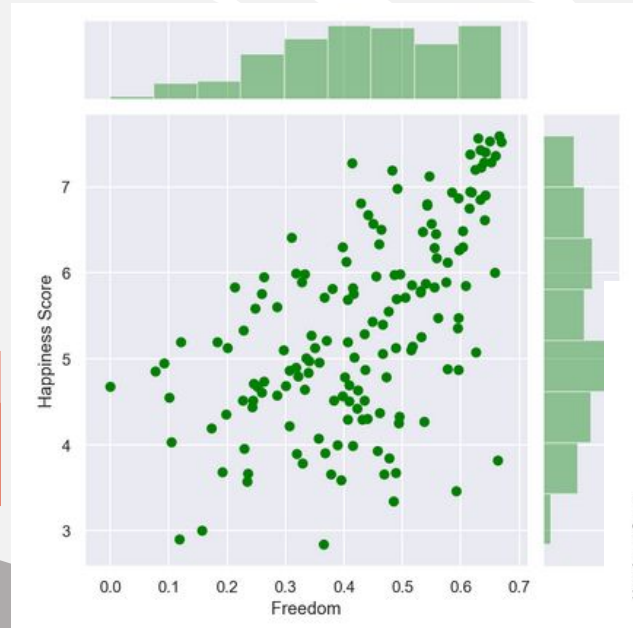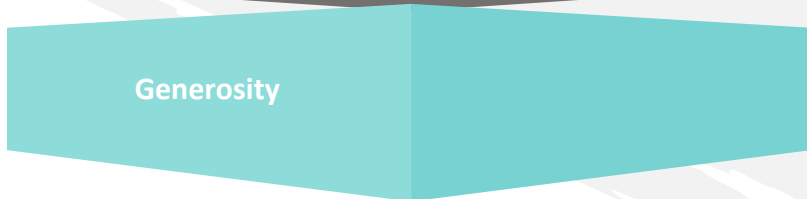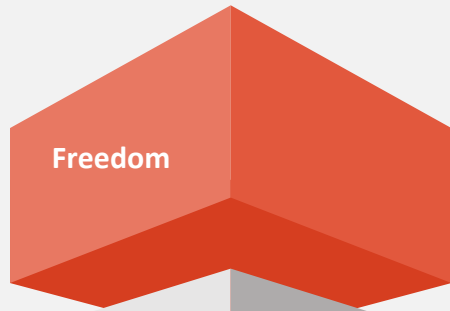
Correlation between the variables

Correlation in Pair graphs
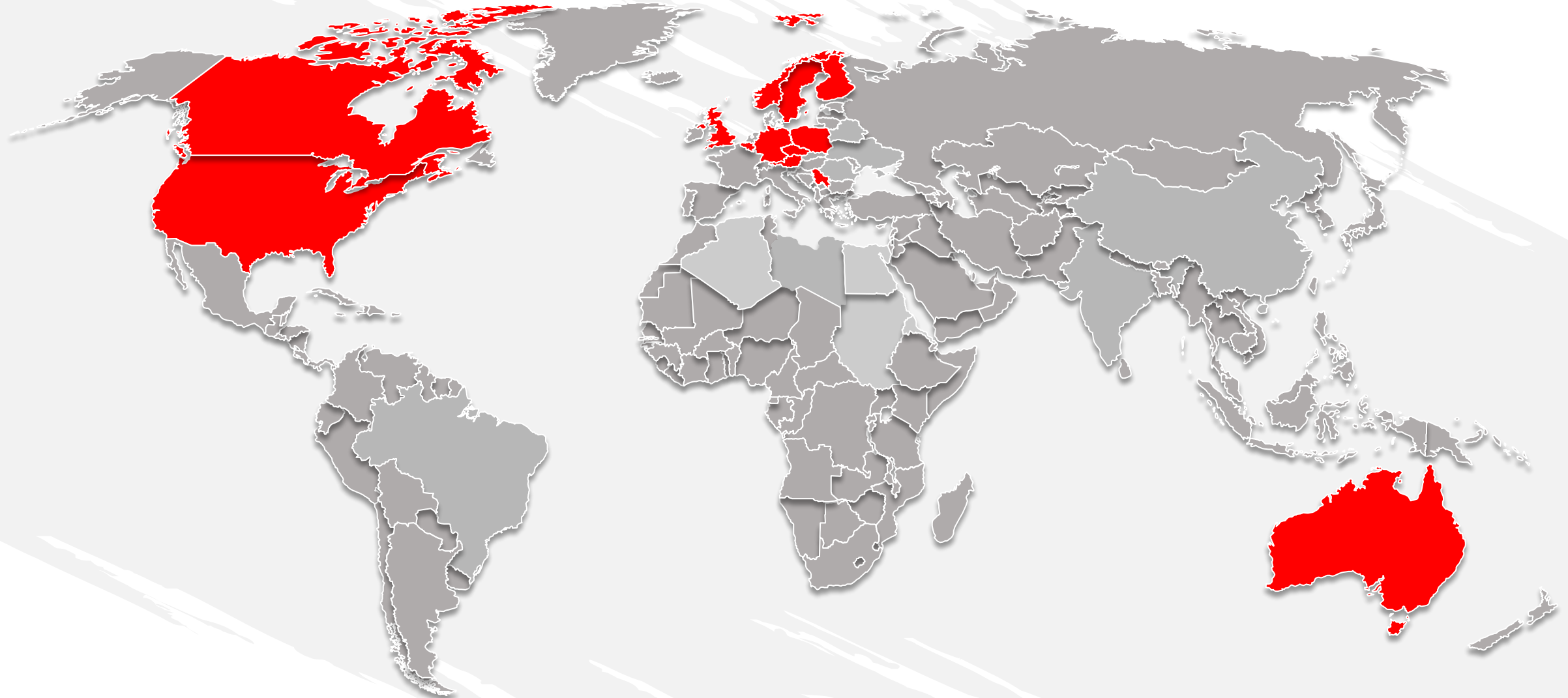
The highest correlation between the variables

11/19/19

The lowest correlation between the variables

Freedom

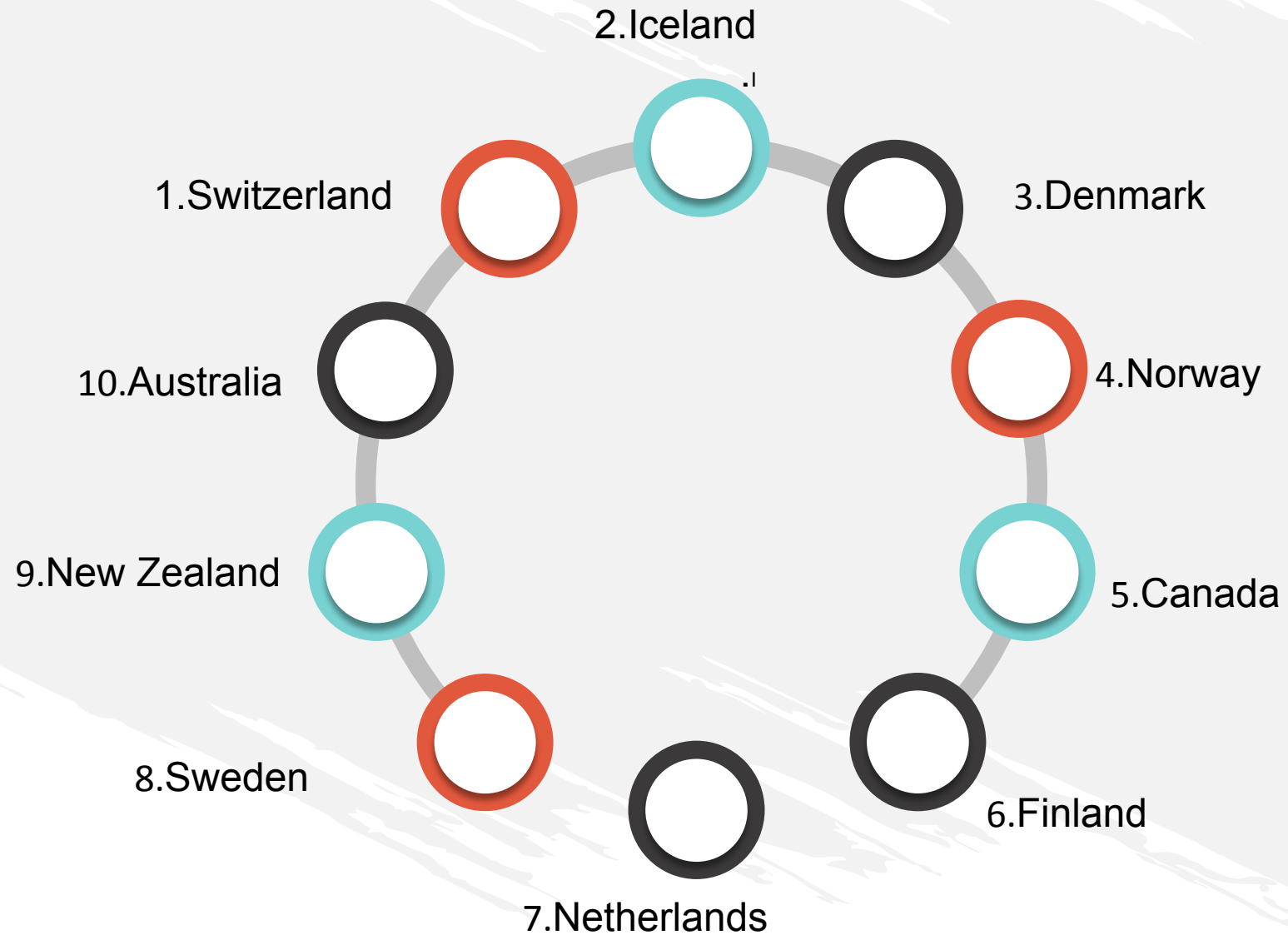Trust

Generosity
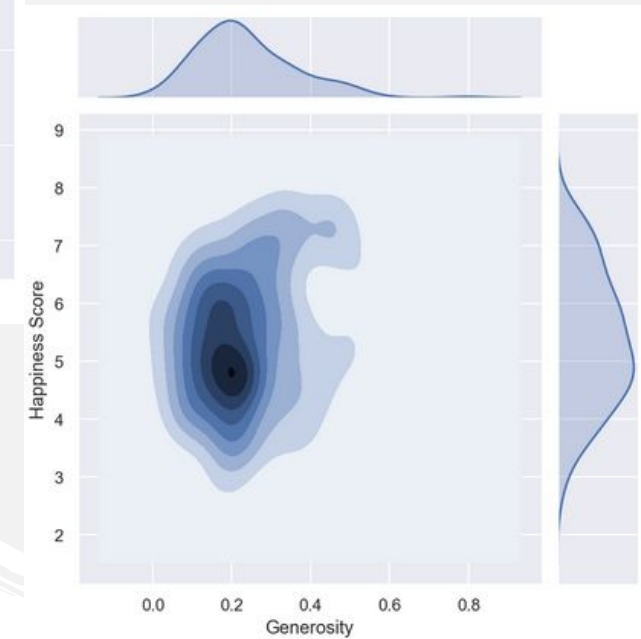
Happiness Score by Region

Happiness Score Based on Regions
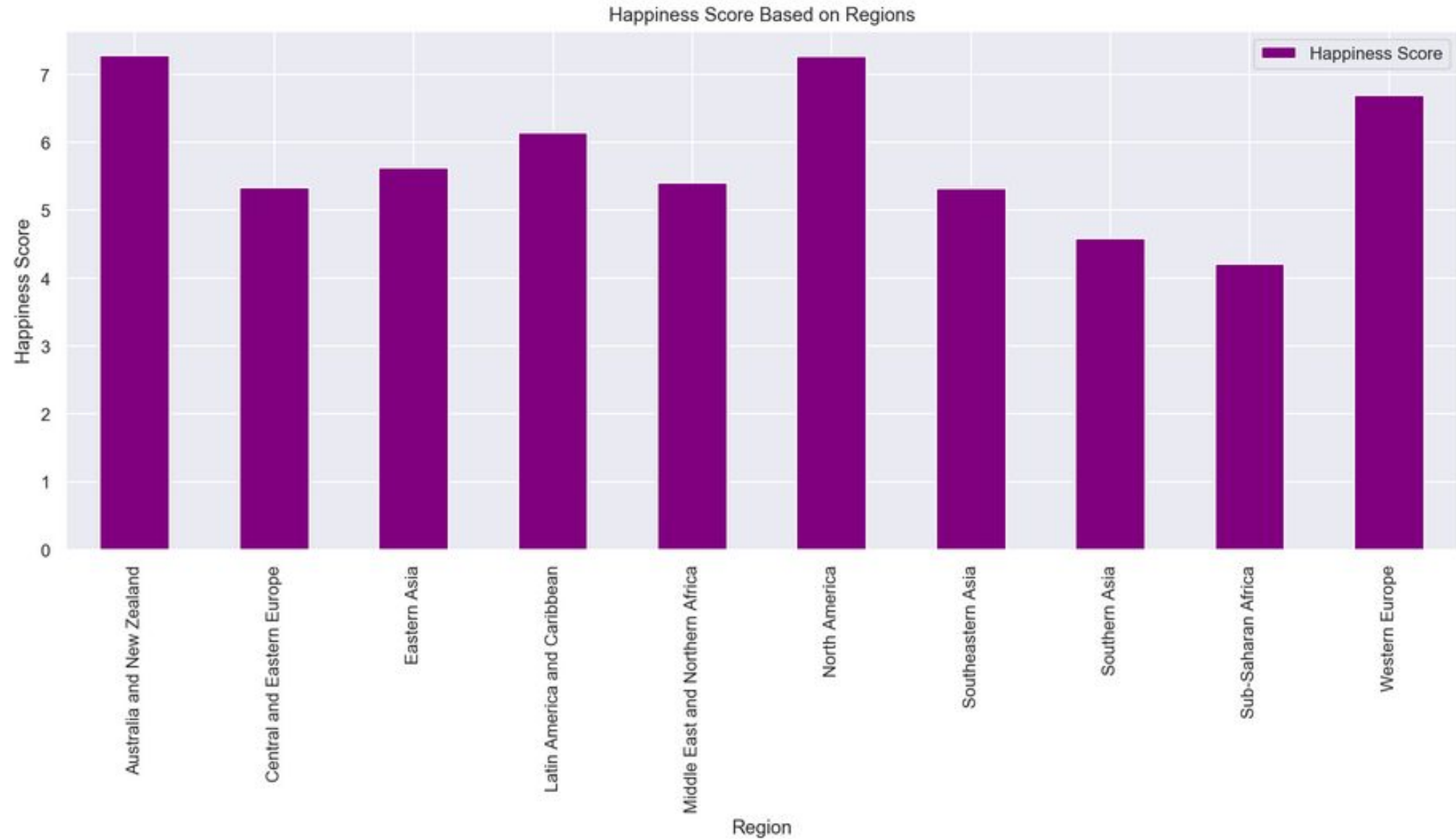
Top Regions by Happiness Score

Australia and New Zealand
Western Europe
North America

Top 10 Happiest Countries

2.Iceland

1.Switzerland

3.Denmark

4.Norway

10.Australia

5.Canada

9.New Zealand

8.Sweden
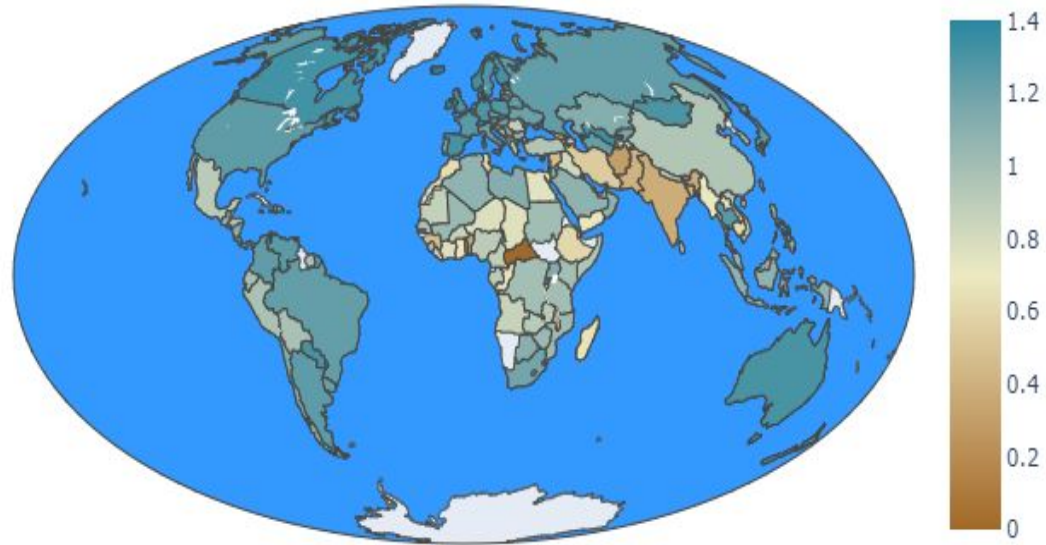
6.Finland

7.Netherlands

Variable analysis by country
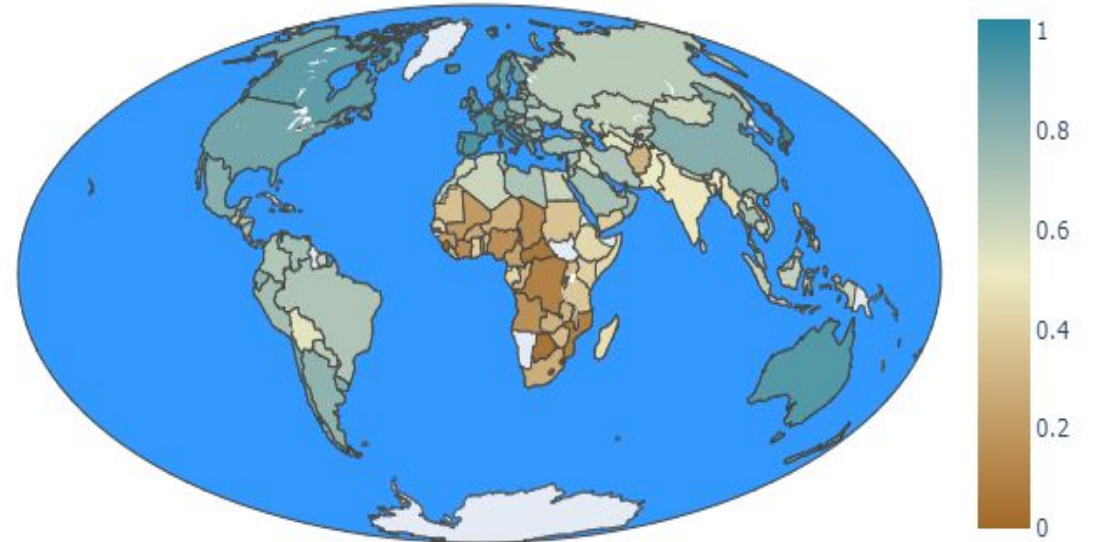

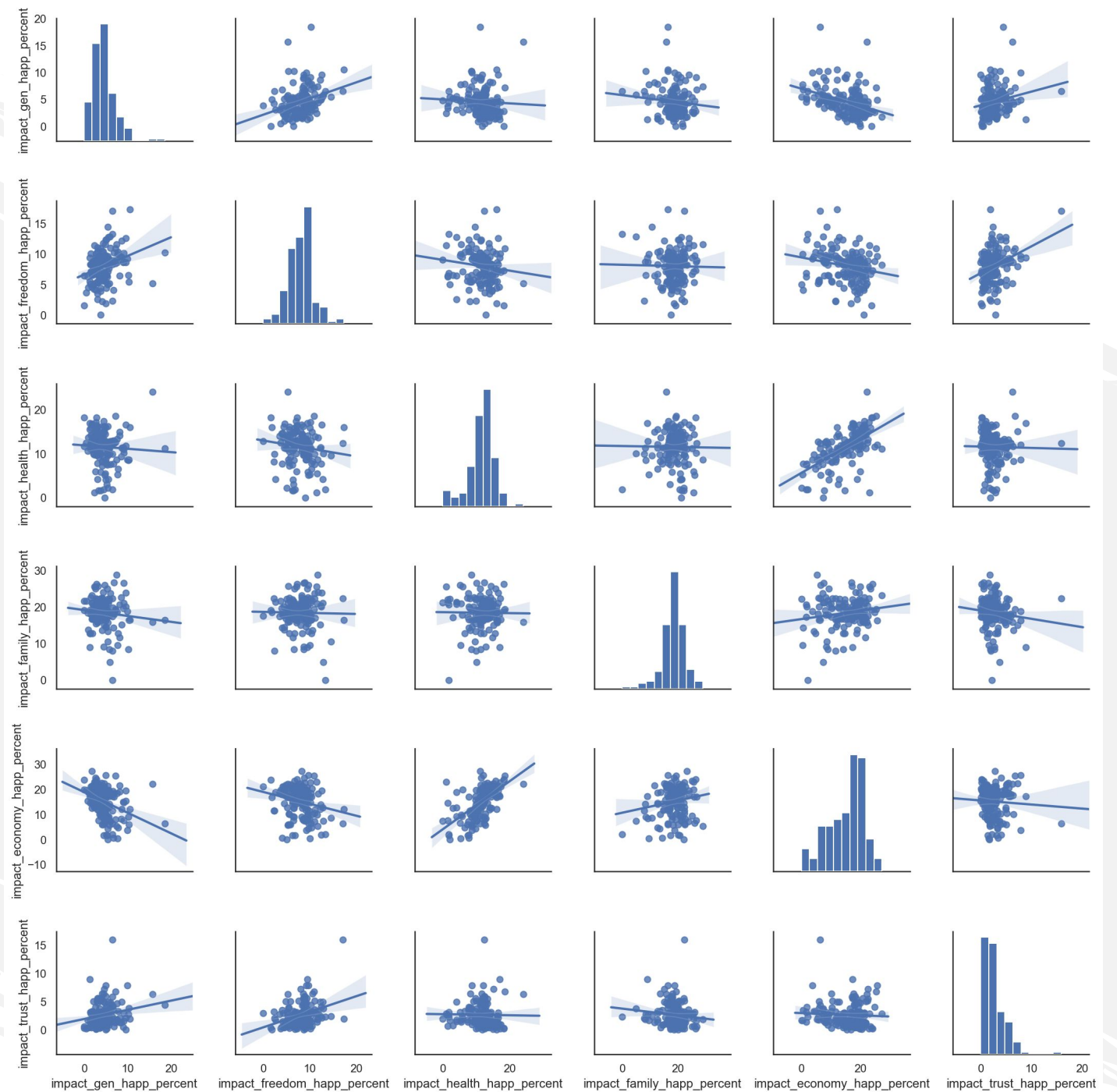Economy (GDP per Capita)
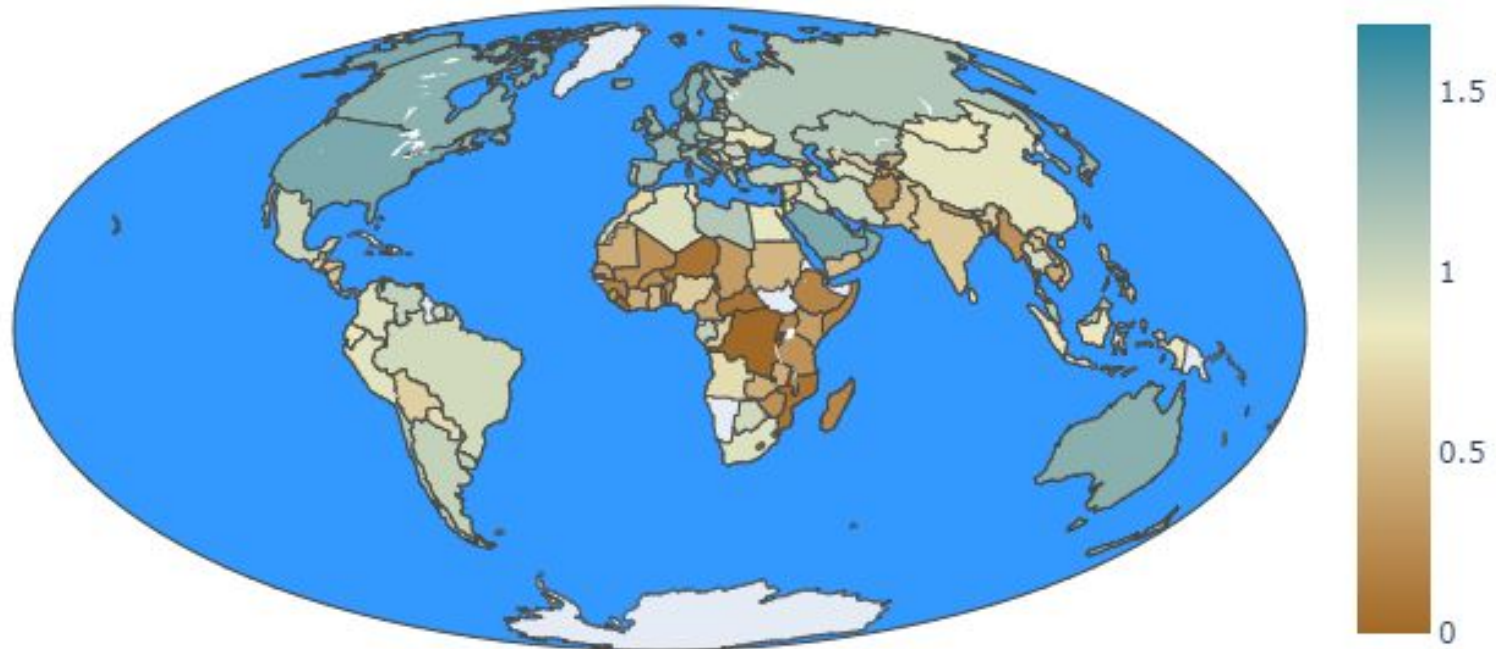
Variable analysis by country

Family

Health (Life Expectancy)

Analysis on newly created features

Country	Generosity%	Freedom %	Economy %	Family %	Health %	Trust %
Switzerland	3.9%	8.7%	18.4%	17.7%	12.4%	5.5%
Iceland	5.7%	8.3%	17.2%	18.5%	12.5%	1.8%
Denmark	4.5%	8.6%	17.6%	18.1%	11.6%	6.4%
Norway	4.6%	8.9%	19.3%	17.6%	11.7%	4.8%
Canada	6.1%	8.5%	17.8%	17.8%	12.2%	4.4%

Relationship of the new features

Conclusion

Economy (0,78), Health (0,72) and Family (0,74) are highly correlated factors with the happiness score

Most of the top 10 countries are located in Western Europe.

Western Europe, North America, New Zealand and Australia are the top happiest regions

High Economy or Health rating shows that the freedom isn't the main factor and contributor to the happiness score.

Impact of Generosity and impact of Economy on Happiness score are inversely related.

Thank you!