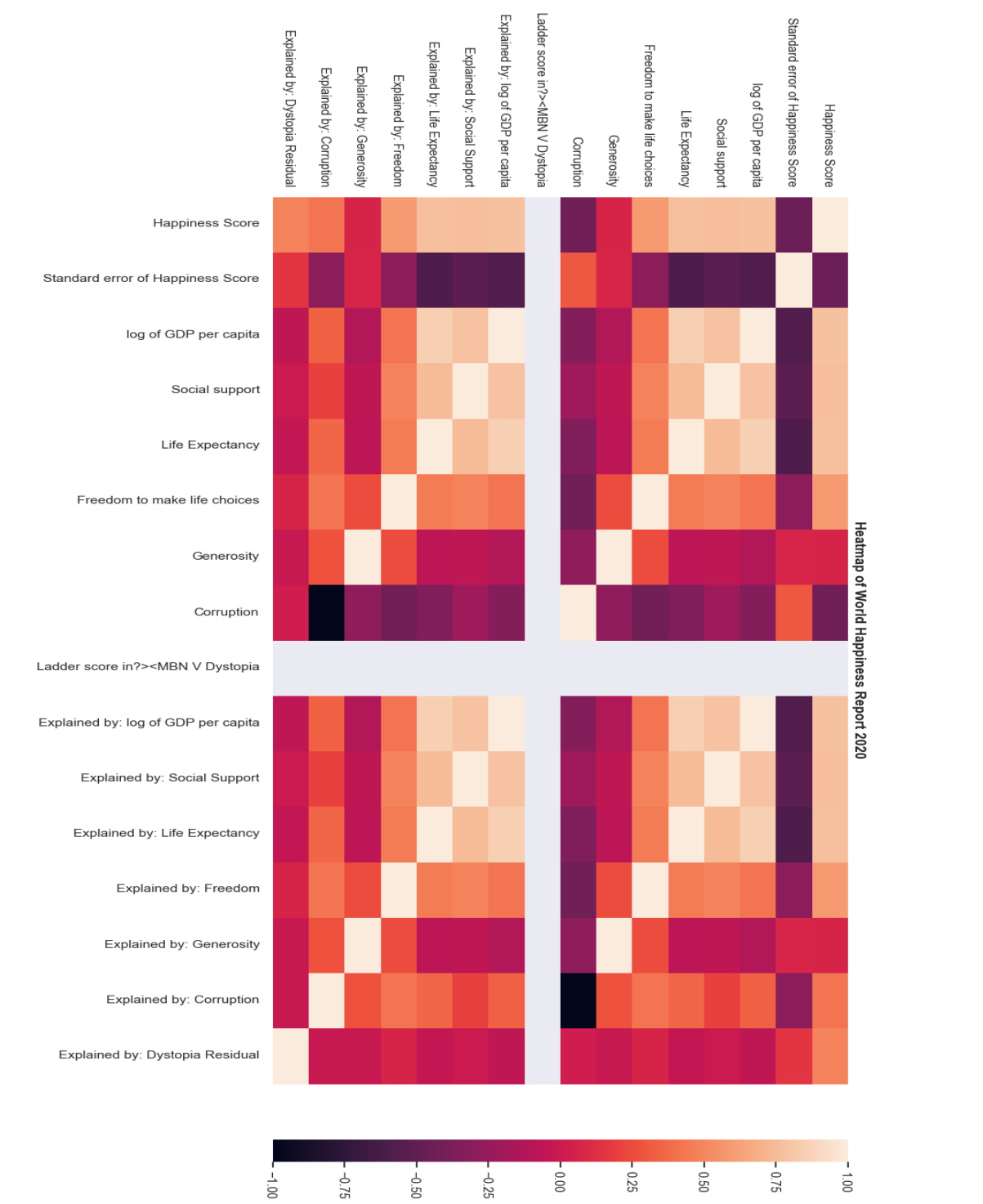
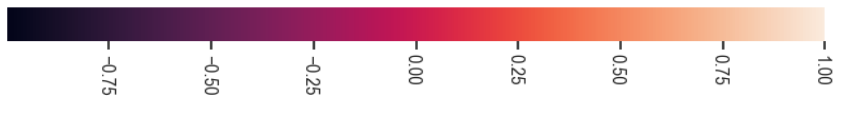


Data cleaning report of World Happiness Report from 2015 – 2021

World Happiness Report [Before Data cleaning]	Columns
2015	['Country', 'Region', 'Happiness Rank', 'Happiness Score', 'Standard Error', 'Economy (GDP per Capita)', 'Family', 'Health (Life Expectancy)', 'Freedom', 'Trust (Government Corruption)', 'Generosity', 'Dystopia Residual']
2016	['Country', 'Region', 'Happiness Rank', 'Happiness Score', 'Lower Confidence Interval', 'Upper Confidence Interval', 'Economy (GDP per Capita)', 'Family', 'Health (Life Expectancy)', 'Freedom', 'Trust (Government Corruption)', 'Generosity', 'Dystopia Residual']
2017	['Country', 'Happiness.Rank', 'Happiness.Score', 'Whisker.high', 'Whisker.low', 'Economy..GDP.per.Capita.', 'Family', 'Health..Life.Expectancy.', 'Freedom', 'Generosity', 'Trust..Government.Corruption.', 'Dystopia.Residual']
2018	['Overall rank', 'Country or region', 'Score', 'GDP per capita', 'Social support', 'Healthy life expectancy', 'Freedom to make life choices', 'Generosity', 'Perceptions of corruption']
2019	['Overall rank', 'Country or region', 'Score', 'GDP per capita', 'Social support', 'Healthy life expectancy', 'Freedom to make life choices', 'Generosity', 'Perceptions of corruption']
2020	['Country name', 'Regional indicator', 'Ladder score', 'Standard error of ladder score', 'upperwhisker', 'lowerwhisker', 'Logged GDP per capita', 'Social support', 'Healthy life expectancy', 'Freedom to make life choices', 'Generosity', 'Perceptions of corruption', 'Ladder score in?><MBN V Dystopia', 'Explained by: Log GDP per capita', 'Explained by: Social support', 'Explained by: Healthy life expectancy', 'Explained by: Freedom to make life choices', 'Explained by: Generosity', 'Explained by: Perceptions of corruption', 'Dystopia + residual']
2021	['Country name', 'Regional indicator', 'Ladder score', 'Standard error of ladder score', 'upperwhisker', 'lowerwhisker', 'Logged GDP per capita', 'Social support', 'Healthy life expectancy', 'Freedom to make life choices', 'Generosity', 'Perceptions of corruption', 'Ladder score in Dystopia',

	'Explained by: Log GDP per capita', 'Explained by: Social support', 'Explained by: Healthy life expectancy', 'Explained by: Freedom to make life choices', 'Explained by: Generosity', 'Explained by: Perceptions of corruption', 'Dystopia + residual']
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- Every report has the same columns, although the labels are changed, and there are some extra sets of columns in the World Happiness Reports of 2020 and 2021.
- After looking at the Heatmap of the World Happiness Report for 2020 and 2021, I discovered that these additional columns are simply scaled versions of other columns in the same report.
- I discovered that the 'GPD per capita' column of the World Happiness Reports of 2015, 2016, 2016, 2017, 2018, and 2019 and the 'log of GDP per capita' column of the World Happiness Reports of 2020 and 2021 are the same. (I also examined the GDP per capita of the individual countries on the internet to see if my understanding of these columns was correct.) As a result, I've changed the values in these columns to what they should be.
- I've also included a 'Year' column to the report so that I can quickly complete the project's analysis.
- I've also omitted the 'Region' column from the World Happiness Reports for 2015, 2016, 2020, and 2021 because it has no bearing on my findings.
- The 'Happiness Rank' columns are missing from the World Happiness Reports for 2020 and 2021, therefore I've added them.

World Happiness Report [After Data cleaning]	Columns
2015	['Country', 'Year', 'Happiness Rank', 'Happiness Score', 'Freedom', 'Generosity', 'Life Expectancy', 'GDP/capita', 'Corruption']
2016	['Country', 'Year', 'Happiness Rank', 'Happiness Score', 'Freedom', 'Generosity', 'Life Expectancy', 'GDP/capita', 'Corruption']
2017	['Country', 'Year', 'Happiness Rank', 'Happiness Score', 'Freedom', 'Generosity', 'Life Expectancy', 'GDP/capita', 'Corruption']
2018	['Country', 'Year', 'Happiness Rank', 'Happiness Score', 'Freedom', 'Generosity', 'Life Expectancy', 'GDP/capita', 'Corruption']
2019	['Country', 'Year', 'Happiness Rank', 'Happiness Score', 'Freedom', 'Generosity', 'Life Expectancy', 'GDP/capita', 'Corruption']
2020	['Country', 'Year', 'Happiness Rank', 'Happiness Score', 'Freedom', 'Generosity', 'Life Expectancy', 'GDP/capita', 'Corruption']
2021	['Country', 'Year', 'Happiness Rank', 'Happiness Score', 'Freedom', 'Generosity', 'Life Expectancy', 'GDP/capita', 'Corruption']