STAT 3355.501 Group 13 Plots - Jacob Oates, Sriniketh Potlapalli, Mehedi Toufiqe

Question 3.1

Year 1995 Suicide Rate by Population

Suicides/100K Population

200
150
100
50
0

Figure 3.1.a: Year 1995 Suicide Rate (Suicides/100K Population)

Year 2000 Suicide Rate by Population

Suicides/100K Population

100

50

100

200

Figure 3.1.b: Year 2000 Suicide Rate (Suicides/100K Population)

Year 2005 Suicide Rate by Population

Suicides/100K Population

150

150

100

50

0

Figure 3.1.c: Year 2005 Suicide Rate (Suicides/100K Population)

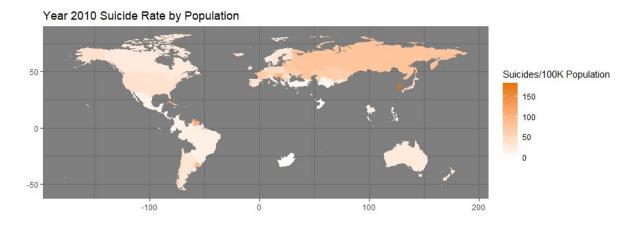


Figure 3.1.d: Year 2010 Suicide Rate (Suicides/100K Population)

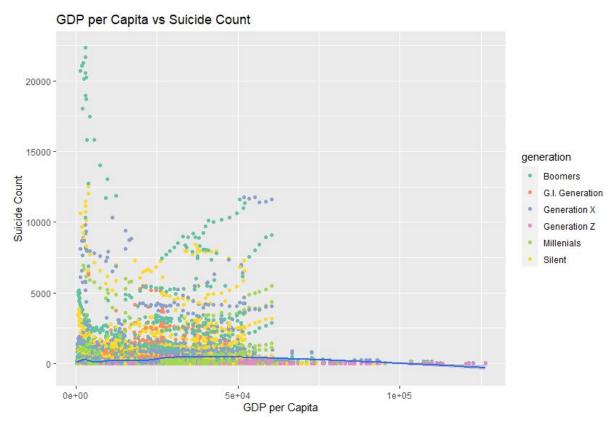


Figure 3.2.a: Plot of GDP per Capita vs Suicide Count

GDP per Capita vs Suicide Count Boomers G.I. Generation Generation X 20000 15000 10000 -5000 generation Suicide Count Boomers G.I. Generation Generation X Generation Z Millenials Silent Generation Z Millenials Silent 15000 -10000 -5000 -0 -0e+00 5e+04 5e+04 1e+05 GDP per Capita 1e+05 1e+05 0e+00 0e+00 5e+04

Figure 3.2.b: Plot of GDP per Capita vs Suicide Count, Faceted by Generation

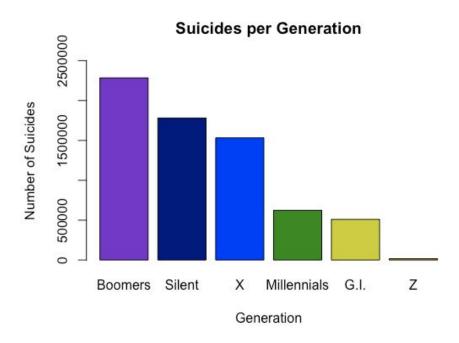


Figure 3.3: Boxplot of Suicides per Generation

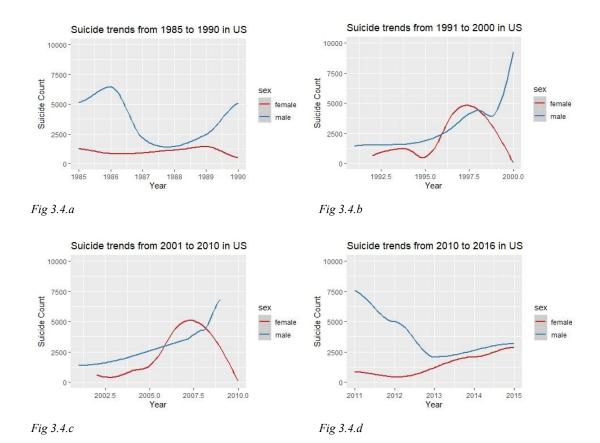


Figure 3.4: Plot of Suicides counts among gender in the United States

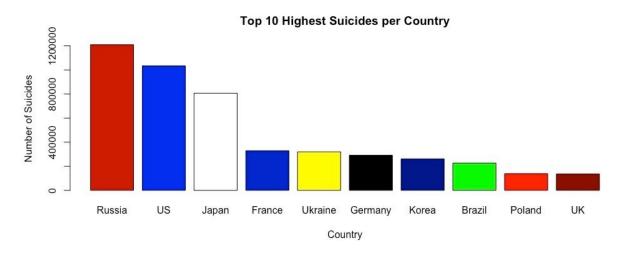


Figure 3.5: Boxplot of Top 10 Highest Suicides per Country

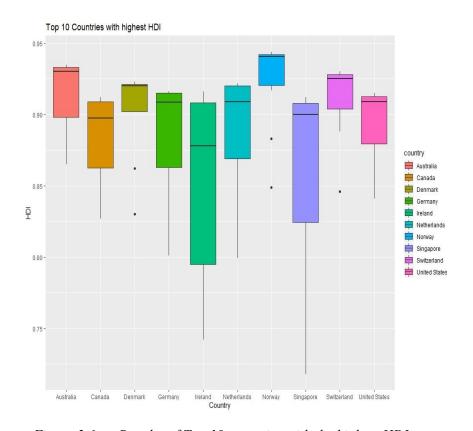


Figure 3.6.a: Boxplot of Top 10 countries with the highest HDI

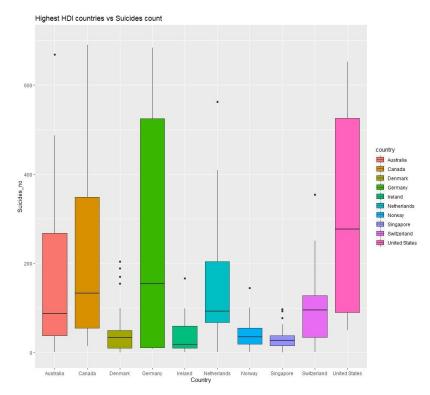


Figure 3.6.b: Boxplot of the highest HDI countries vs suicide counts

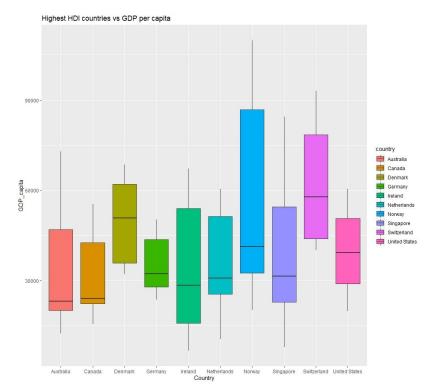


Figure 3.6.c : Boxplots of the highest HDI countries vs GDP per capita

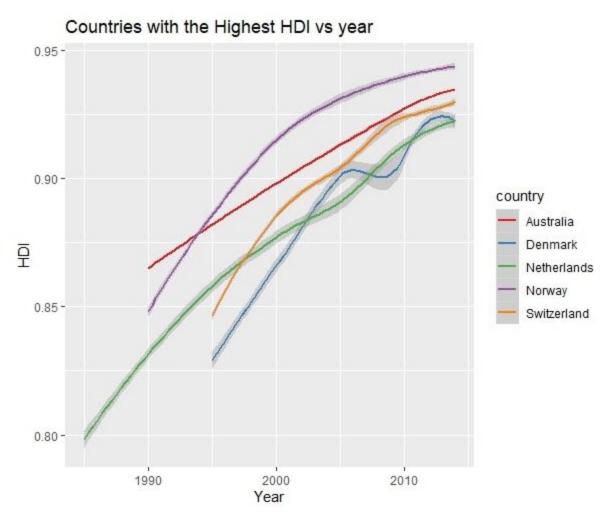


Figure 4.1 : Countries with the Highest HDI vs Year

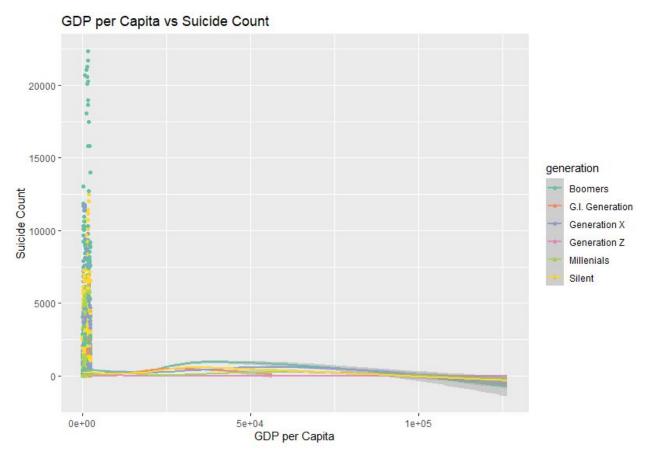


Figure 3.2.b: Plot of GDP per Year vs Suicide Count

GDP per Year vs Suicide Count Boomers G.I. Generation Generation X 20000 -15000 10000 generation 5000 Suicide Count Boomers G.I. Generation Generation X Generation Z Millenials Silent Generation Z Millenials Silent 15000 -10000 -5000 -0 00 1000 1500 2000 GDP per Year 1000 1500 2000 1000 1500 2000 500 500 500

Figure 3.2.b: Plot of GDP per Year vs Suicide Count, Faceted by Generation