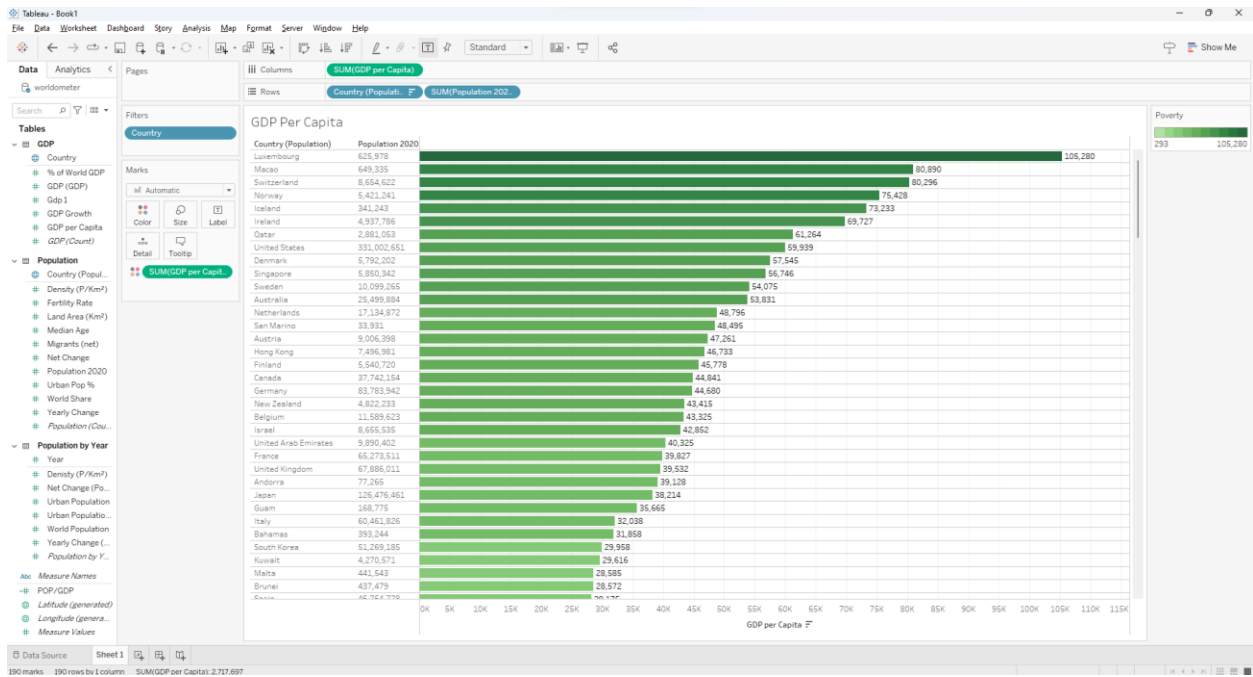


Homework 2

Vizualization 1

- I converted Population2020 into a discrete dimension from a continuous measure to show the population before the GDP because there was not a good way to incorporate population into the visualization. (1/2 conversions).
- I applied labels to GDP per capital because the smaller values were not clear without them (1/5 marks).
- I made GDP per capita green and applied a 10-step gradient to better visualize the concentration of wealth (2/5 marks).

- I adjusted the size of the bars (3/5)
- Added labels to the bars for readability (4/5)
- Added color to it (5/5)
- I hid the country column because it was redundant considering the bars are labeled.
- The graph shows migrant flow for countries in the year 2020.

Visualization 3

- # Visualization 3

The screenshot shows a Tableau Desktop interface with a horizontal bar chart. The chart is titled "Fertility Rate (Size), GDP per cap (color density)". The x-axis represents the Fertility Rate (per 1,000 live births), ranging from 1 to 16. The y-axis lists various countries. The bars are colored based on GDP per capita, with a color scale from 293 (dark blue) to 105,280 (light blue). The chart shows that countries with higher fertility rates generally have lower GDP per capita, and vice versa. The chart is titled "Fertility Rate (Size), GDP per cap (color density)".

Country	Fertility Rate (per 1,000 live births)	GDP per Capita (approximate)
Burundi	12.2	293
Niger	14.2	293
Central African Republic	10.2	293
Mozambique	10.2	293
DR Congo	11.2	293
Sierra Leone	9.2	293
Afghanistan	8.2	293
Togo	7.2	293
Micronesia	6.2	293
Uganda	10.2	293
Burkina Faso	9.2	293
Chad	10.2	293
Gambia	9.2	293
Liberia	8.2	293
Guinea-Bissau	8.2	293
Ethiopia	8.2	293
Rwanda	7.2	293
Haiti	6.2	293
Tajikistan	7.2	293
Benin	10.2	293
Mali	11.2	293
Guinea	9.2	293
Nepal	4.2	293
Tanzania	10.2	293
Yemen	7.2	293
Mauritania	9.2	293
Kyrgyzstan	6.2	293
Lesotho	5.2	293
Myanmar	4.2	293
Comoros	8.2	293
Senegal	9.2	293
Cambodia	3.2	293

- In this graph, the fertility rate is reflected in the length of the bars. The longer out, the higher the rate. The GDP per capita is reflected in the color of the bars. Red is poor, and blue is wealthy (I am aware the colors are not the best, I'm color blind).
- Fertility rate has changed from a measure to a dimension, (2/2).
- There is a gradient, the size of the bars were adjusted, and there are labels on the bars.