**Assignment 4**

**Data transformations.**

**Truthful visualizations**

**Chart 1**

The first chart will show how that gender gap indicator has changed throughout the years for the selected country.

The second chart shows the difference between males and females for each indicator, given a country and specific year.

The chart is well explained, by a legend, title, subtitle, appropriate scales are used. It is simple and clear for the audience.

**Deceiving visualizations**

The first chart is doing the same as first chart in truthful visualizations, but by changing the domain of the Y-axis the gap between male and female for each indicator seem smaller and the changes throughout the years look less significant. No additional information is given about the calculations is the data.

This is a deceiving visualisation, because it is complex for the audience, legend is missing to be confusing, the data is intentionally filtered (Labor force participation rates are excluded because the difference between male and female was

high and we want the gap to look small.)

No additional information is given to explain how the data is calculated.

Title is intentionally leading to our goal.