

2. Distribution of Men and Women's Unemployment Rate from 2017 to 2023, at Different Education Attainment Level

For this visualization, I intended to compare the unemployment rate for men and women in the OECD countries from 2017 to 2023, using the boxplot. The boxplot would contain several important statistical information about the overall distribution of the unemployment rates in all the OECD countries, for instance, the median, the 75 and 25 percentiles, and the outliers, which would let the readers have a general understanding of unemployment status within different countries and also could compare between male and female gender group. The year range shown on the x-axis would help to let the readers find the changes with time.

To make the graph more informative, the unemployment rate for men and women by different education level would be shown, which range from below upper secondary education and master level. Education is considered as one of the most important factors in eliminating gender-related unemployment, and this visualization would also help to explore this topic. By looking within each group, people would be able to see at each education level, how would the unemployment gap between genders look like. By comparing the situation within different education level, people would be able to find whether education has a positive effect on eliminating the gender-related employment gap in the OECD countries.