Exploratory Statement

For this project I have chosen the format of a Dashboard: zip file submitted on the official website and link for my github account: https://github.com/ElenaSNovikova/Data_Visualization_and_Storytelling

For the graph I have chosen to plot the Nobel prize winners according to different birth countries of a scientist and a year of the award. 6 different categories of awards are included as well.

First of all, I did some exploratory data analysis and selected 9 countries and 1 category for organisations (Not_applicable) that have the highest number of the Nobel Prizes. While choosing an appropriate visual display for the relationship between two categorical variables), I settled on geom_point plot with geom_jitter. I used different colours to highlight different countries, and different shapes for different categories. The use of various colours and shapes should help the audience to better their own conclusions. I decided to specifically highlight the year 1945 (with the dash line).

Afterwards I read some more about the reasons that could cause some scientists to never receive a Nobel Prize (https://medium.com/swlh/can-we-predict-which-biologists-are-likely-to-win-a-nobel-prize-6a748e40e207).

For display the interesting fact I have chosen the image of Alfred Nobel from the following link: https://miro.medium.com/max/3600/1*Gg4xgG4b-YG8na3jfQUFOA.jpeg

For the text colour I selected one of the colours used in the image itself. The name of the family (Curie) and the number of Nobel Prizes I highlighted with bold font of size 120. For the rest of the text I used font of size 75. For text I used Rubik Light Font with Shadow Effect.

For the Fishbone Diagram I have chosen the template “Blue Cyberbullying Fishbone Diagram” from canva.com. I have changed the colour scheme to match the image I used to display interesting fact.