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Submission author: Nakul Joseph

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CT5100-Assignment 4: Part 1

Summary

The plot shows the comparative ranking of students across the Organization for Economic Cooperation and Development (OECD) member states.

Visualisation decisions of the plot are as follows:

- Insulastation decisions of the pilot are as follows:

 Data 1 Variables to be piloted on X and Y axis are OECD member countries and the comparative rankings respectively. The data is ordered in the increasing order of rankings from low to high and filtered according toyear 2018.

 A easthetics. Two groups are shown here Boys and Girls, Boys are represented using filled circles with a shade of blue as florits are represented using an unified diamond shape with same shade of blue as border colour. Data points for Ireland and its X axis label is coloured red so that it is easily distinguishables.

 Geometrics: For geometrics line, points and segments are used. A segment from the X-axis touches the bottom data point (Boys in this case) and a line between Boy and Girl data point is present for the same X value.
- - Background: A tint of blue colour is used as background colour. The plot doesn't appear to have a margin and title.
 Axes: The X axis line was removed, and the axis text were tilted to 45-degree angle so
 - Axes: The X axis line was removed, and the axis text were titled to 45-degree angle is on that the labels or country names could be shown clearly. The xist was also removed and a continuous scale break of 20 were given with lower limit 340 and upper limit 560. The X and 7 suits title were also removed.

 Gridlines: The panels X major and minor gridlines, ticks along with Y minor and ticks were removed from the axes. The brotional grid films were reduced in size and had given a white color running from left to right.

 Legend: The legend orientation was changed to horizontal and its position were changed to bottom left corner. The legend title legend title grown and the contract of the size of o

How to reproduce this plot with ggplot in R:

- 1. For plotting, we need X values Le. country (location) names, Y axis values and subject Boy or Girl. Group the data by year, location, subject and summarise their performance value. Keep only the information for 2018, order it excerding to performance and given a flag value for observations for releand as TREE and rest talkes. An observation of OSC warege was also found and added to the dataset using mean on the performance values and rBird on the dataset to add a row.

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