CST2130 - Data Visualisation with Tableau
Coursework.

1. Create a visualisation to show which group of customers' **Commute Distance** has ordered more **Quantity** of **Products**. Show the names of the products in **English**, and Use Sort to show the most ordered products at the top and the least ordered products at the bottom. (15 marks)

2. Create a visualisation to show which **country** (or **countries**) recorded the **MOST** and **LEAST** sales made by **English** customers whose **occupations** are either Professional, Manual or Skilled Manual within the years **2011** and **2013**. Use caption to explain your findings in detail. (15 marks)

3. Using the relevant existing fields, create a **calculated field** and name it **Profit.** Using this newly derived field, create a well labelled **mapped** visualisation to show which countries are making 2 million or less in profit. Use caption to explain findings. (15 marks)

4. Create a visualisation to show which Quarter recorded the highest quantity of Orders of all time. Use caption to explain the interesting similarity in the Trends recorded in Quarters 2, 3 and four. How does this defer from the Quarter 1 trend? (15 marks)

5. Create a visualisation to show the predicted Sales amount over the next three years. This forecast should be visualised in Year and Month only. Use caption to explain your findings. (10 marks)

6. Create a well labelled visualisation to show all time sum of profit made by the Regions. Keep only the regions of United Kingdom, France and Germany. (10 marks)

7. Create an interactive Dashboard to show all your visualisations. Your dashboard should contain Highlight and should be well formatted to show clear difference between individual visualisations. (20marks)

NOTE:

- Use the **Sales dataset** provided in the coursework folder to attempt this coursework.
- Please take some time to explore and understand the dataset before starting your coursework.
- You can ask any questions regarding your coursework during lab sessions.
- Create your join using the example shown in the image below for a better result.
- Save your work as Tableau Packaged Workbook (*.twbx). Saving your work as any other file type will attract penalty.
- This coursework is individual. Do NOT copy the work of someone else.
- The correct use of Marks, channels, highlights, and filters will influence the mark for each question.
- Submission Deadline: **23:59, Tuesday, 1st March 2022.**