Problem Set 1 (10%)

Due: W June 1 (Flexible)

1. Dashboard Dissection - Based on your assigned **Dashboard Tool**, find an online example of a sample dashboard to analyze. Bullet point format is OK. (5 marks):
    1. Link - Paste a screenshot of the dashboard and link to the example. (1 mark)
    2. Key Questions – Identify and label 3 key questions of the dashboard (0.5 mark)
    3. Aesthetics – Identify and explain 3 aesthetics used in the dashboard (0.5 mark)
    4. Persona – Describe the persona of the target user(s) of the dashboard (1 mark)
    5. Dashboard Critique – Identify 1 way you would improve the dashboard and why (1 mark)
    6. Tool Critique – Identify 1 possible problem with the dashboard tool and suggest an alternate tool (1 mark)

2. Excel Demo – Based on your assigned **Scenario Description**, create your own video demonstration or walk-through explanation slideshow. Excel will not be marked. (5 marks):
    1. Create dummy data set based on the Scenario Description; random numbers are expected within range related to your topic. The random number range formula should be somewhat realistic.(1 mark)
    2. On your bar chart use formulas to dynamically highlight the minimum and maximum values (0.5 mark)
    3. On your bar chart use formulas to dynamically set chart title to include the total sales (0.5 mark)
    4. On your bar chart use formulas to add a Text Explanation or Annotation to the chart as seen in **W2-S1 lecture** *https://www.youtube.com/watch?v=FvWdbvHEadc&t=3099s - Add explanations on a column or line chart without using a text box (27:55)* (0.5 mark)
    5. Submit a clear explanation (video or slideshow) that walks through the data set and techniques (formulas) used for #1-4. Please keep video submissions less than 3 minutes. (2.5 marks)

Problem Set Topics	Dashboard Tool	Scenario
Anbu Alaguraj, Jino Wiseson	Google Charts	2
Anilal, Preeja	D3.JS	5
Arora, Rohit	Google Charts	1
Dcunha, Chrissel Blenita	Tableau	2
Gagandeep Singh, Gagandeep Singh	Looker	1
Gupta, Piyanshu	Sisense	1
Jaliminche, Basavraj	Looker	2
Mehta, Mandip Kaur	D3.JS	4
Pannu, Manjot Singh	Google Charts	3
Patel, Dhartiben Bhargav	Sisense	3
Patel, Karan Vipinbhai	Sisense	5
Radadiya, Deepkumar Gordhan	D3.JS	2
Reddy, Veera Venkata Raghuveer Babu	Tableau	3
Sakshi, Sakshi	Looker	3
Shah, Deven	D3.JS	1
Singh, Amanjot	Google Charts	4
Solanki, Nachiket Kiritbhai	Looker	5
Swatch, Kirtvir Singh	Tableau	4
Tripathy, Dikshya	D3.JS	3
Vyas, Priyank Dharmeshbhai	Looker	4

#	Scenario Description
1	Create dummy data set for monthly sales (qty) of your favourite product for the months of January-June 2022; your data table must clearly indicate product name, month, and random-number formula for each qty.
2	Create dummy data set for daily sales amount ($) of your favourite food for the week of May 1-7 2022 ; your data table must clearly indicate product name, day, and random-number formula for each amount ($)
3	Create dummy data set for quarterly sales (qty) of your house sales in Waterloo for 2011; your data table must clearly indicate city , quarter, and random-number formula for each qty.
4	Create dummy data set for daily temperature (degrees) for the month of your birthday; your data table must clearly indicate the month name, each day, and random-number formula for each temperature.
5	Create dummy data set for monthly total donations ($) for your favourite non-profit or charity for the months of January-June 2022; your data table must clearly indicate charity name, month, and random-number formula amounts ($)