**Exercise: Tableau In-Class Exercises**

**Learning Goals:**

* Learn how connect tableau to various datasets: Excel and CSV files
* Create Bar charts

**Exercise–1**

Create a Tableau worksheet for answering the business questions of AID dataset preferably using bar chart or different type of bar chart. Make it production ready

**Exercise–2**

Step 0: Please use your mini-project dataset

Step 1: Analyze the dataset (attributes, fields), determine its cardinality/range

Step 2: Create a tableau worksheet

Step 3: Connect the mini-project data to tableau

Step 4: Write 5 business questions you would like to answer with this data set.

Step 5: Write which visualization technique you would use to answer 5 business questions you created in step 3. Justify your choice

Step 6: Think of various calculated field you can add in the tableau worksheet. Write at least 3 calculated fields which you want to calculate and create these calculated field in Tableau

Step 7: Preferably create a bar chart as shown in the demo in class and add Colours to your visualization to answer at least 1 of 5 business questions.

Step 8: Add Labels and format your visualization for the production

Step 9: Export your worksheet as an image in this document.

**Exercise–3**

Step 0: Please create 5 different worksheets to answer each of business question you created for the mini-project dataset using your chosen visualization technique

Step 1. Check if it possible to make your visualization more granular

Step 2. Try different types of aggregation and check which type suits best to make your dataset insightful

Step 3. Add highlighting and filter, and quick filter