Tableau Day 3 - Exercises

Exercise 1

1. Import the ‘employee.csv’, ‘department.csv’ and ‘project.csv’ files into Tableau. An auto join will be performed for all 3 tables. If not, go back to the data source tab and change to inner join. Ensure that it is an inner join.

Answer:

1. On a new sheet, create a vertical bar chart to show average Years Of Experience for each Dept Name.

Answer:

1. Add a filter to the above bar chart to only include Project Names BA101 and IT111.

Answer:

1. Answer the following questions by changing the filter options.
   1. What is the average Years Of Experience for an employee working on Project MSS898?

Answer:

* 1. Out of Projects PD109 and SAP909, which project has employees with fewer Average Years Of Experience?

Answer:

1. Now, add a filter for Average Employee Age to the chart. Which Dept Names have an average Employee Age between 30 and 40 years?

Answer:

1. Draw a bar chart of total\_hours\_of\_work on the x-axis versus both dept\_id and project\_id on the y-axis.

Answer:

1. Add marks to this chart in any Green shade using the ‘Label’ button in the ‘Marks’ pane.

Answer:

1. Annotate the department and project with the highest hours of work.

Answer:

Exercise 2

1. Use the employee table and plot a bar chart of dept\_id in Columns and AVG(years\_of\_experience) in the Rows. Now create a function to calculate the median of years\_of\_experience. Add the function to Rows.

Answer:

1. In a new sheet, calculate the average percentage of total\_years\_of\_experience.

Answer:

3. Now split the chart by project name.

Answer: