Tableau Day 2 - Exercises

Exercise 1

1. For these exercises, we will be using the ‘employee’ tables. Import the files **employee.csv** and **department.csv** into Tableau from your data directory.

Answer:

1. Perform a left join between employee.csv and department.csv. Click the join drawing and find out which column is used for this join.

Answer:

1. Perform a full outer join between the employee and department tables. How many rows are returned by this join? (You can see the number of rows on the right corner of the bar below the joins.)

Answer:

1. Now, import the project table, **project.csv**, into Tableau. Perform an inner join with the employee table. Perform an inner join on the employee and department tables, and then a left join on the employee and project tables.

Answer:

Exercise 2

1. On a new sheet, create a shape plot of Years of Experience vs. Employee Age colored by Dept Name, with Employee ID in the Detail field.

Answer:

1. On a new sheet, plot a vertical bar chart to show Average Employee Age for each Project Name. Remove the Null bar by right-clicking on it and selecting “Exclude”.

Answer:

1. Using the Analytics tab, add a Mean (Average) line for Employee Age with 95% Confidence Interval (CI) to the chart obtained in Question 2. What can you infer from the resulting chart?

Answer:

1. On a new sheet, plot a bar chart showing Total Employees for each Dept Name. Make sure that the Total Employee column is aggregated as an Attribute.

Answer:

1. Sort the bars in descending order of the Total Employee column.

Which two departments have the largest number of employees?

Answer:

1. Now bin the Total Employee column using a bin size of 500, and color by Dept Name. How many bins do you see?

Answer: 4