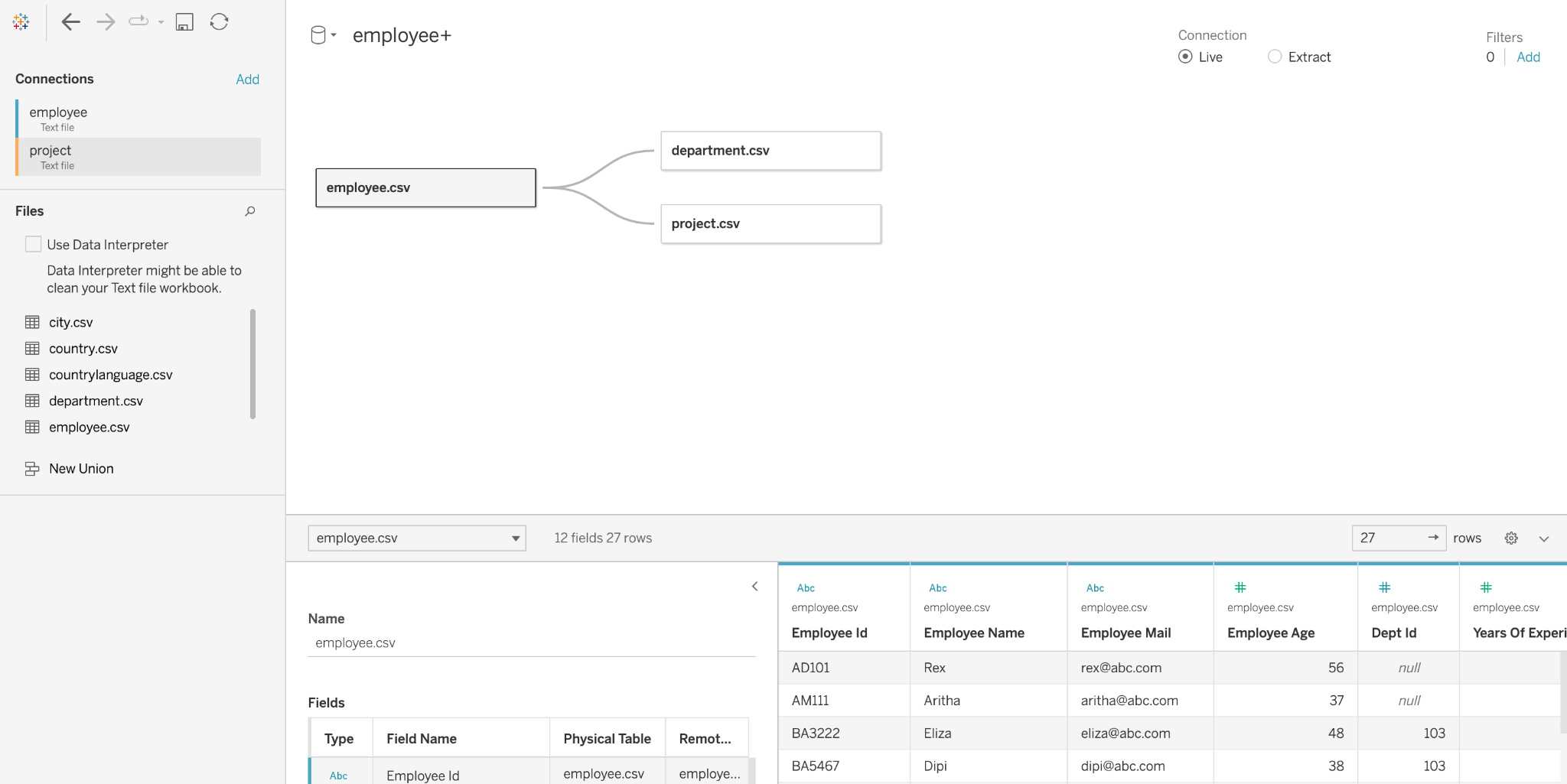
**Tableau Parts 7 and 8: Exercises with answers**

Exercise 7

1. Import the ‘employee.csv’, ‘department.csv’ and ‘project.csv’ into Tableau. Combine all 3 tables using Relationships by dragging the tables into the canvas.

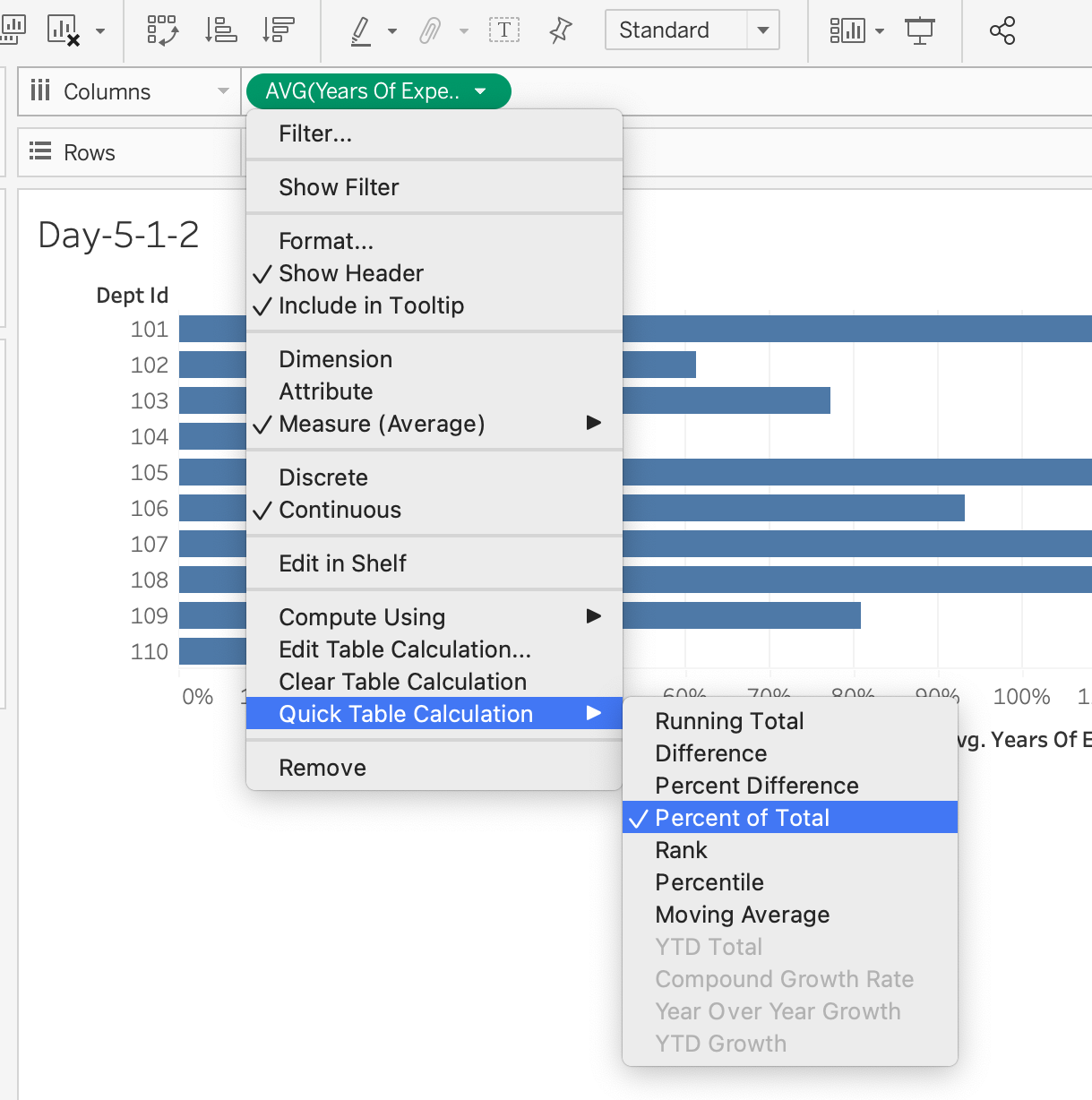
Answer:

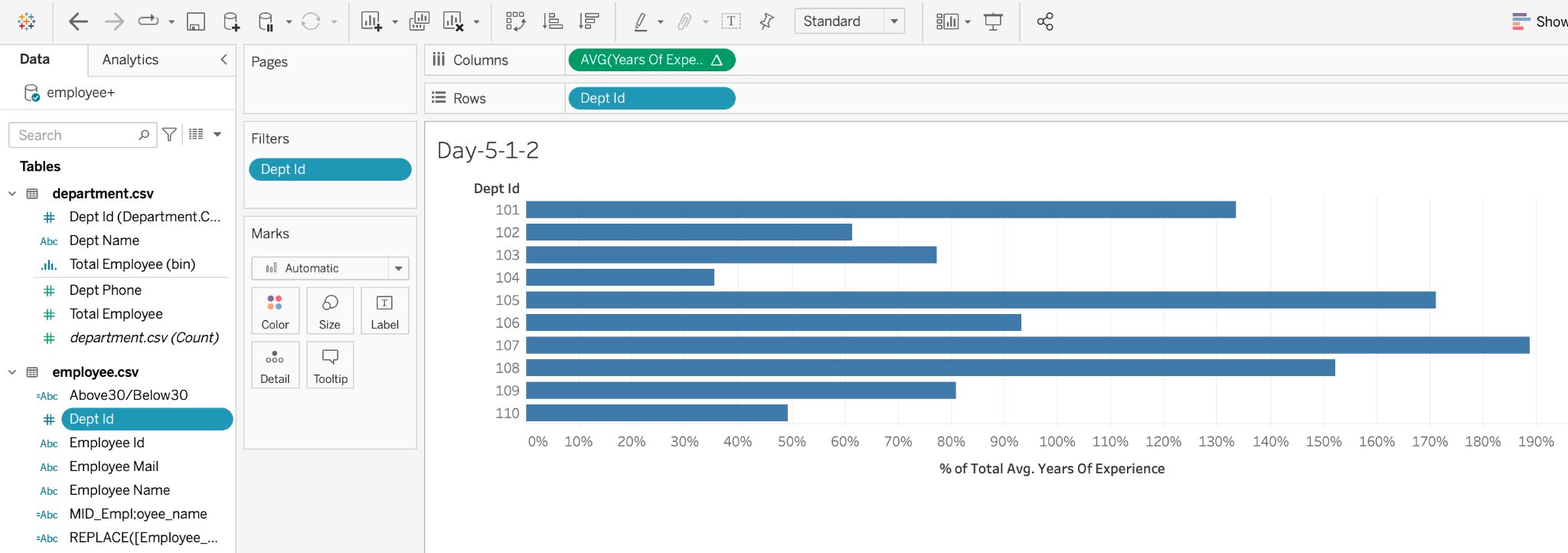


1. Your organization has made it a priority to allow relatively new and relatively seasoned employees to collaborate on projects. You want to be able to visualize the “years of experience” on a given project relative to the company average.

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

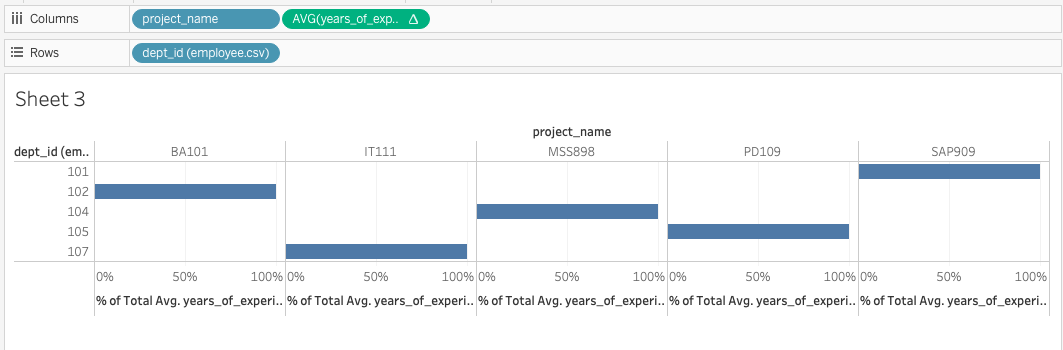
Answer:





1. You can now see which departments have relatively more total years of experience among employees and which departments have relatively less. The organization-wide average tenure is effectively 100% of the Total Avg. years\_of\_experience.  
     
   Now split the chart by project name to see where specific projects stack up.

Answer:



# Exercise 8

1. In a new sheet, create a treemap of the average age of employees and their department name (Hint: make sure dept\_name in Columns and AVG(employee\_age) are in your Rows).  
     
   In addition, create a Level of Detail (LOD) field called “**LOD\_field**” that includes dept\_name and average total\_hours\_of\_work.  
     
   What can you infer from the plot?

Answer: You can infer that the average age of employees in the Legal department is the highest, followed by the IT department. Finally, the HR department is the youngest.

{INCLUDE ([dept\_name]):AVG([total\_hours\_of\_work])}



