

Use the data provided in this link: [HR Employee Attrition.csv](#) to answer the questions that follow

1. Calculate the total age of the employees. Hint: Use the SUMX function
2. Calculate the total number of employees. Hint: Use the COUNTX function
3. What is the total monthly income? Hint: Use the SUM function.
4. What is the average hourly rate? Hint: Use the AVERAGEX function.
5. What is the maximum distance from home? Hint: Use the MAXX function.
6. Create a dashboard based on the measures created above. Hint: Use visuals you considered appropriate.

Also, on the same dashboard, create a donut chart showing the total count of each gender. Create a ribbon chart showing education fields on X-axis, monthly income on Y-axis, and marital status as the legend.

7. Calculate the average daily rate. Use the AVERAGE function.
8. What is the maximum number of companies worked with? Use the MAX function.
9. What is the average number of years with the current manager? Hint: Use the AVERAGE function.
10. Calculate the total hourly rate. Hint: Use the SUM function.
11. Create a dashboard based on the measures created in questions 7 to 10. Hint: Use visuals you consider appropriate.

In addition, create a bar chart showing the total monthly income among different marital status. Create a treemap visual showing monthly rates across different education fields.

12. What is the number of rows in the JobRole column? Hint: Use the COUNT function.
13. Create a calculated column titled IncomeGroup. In this column, group the monthly income into 3. If the income is less than 10000, call it Low; if the income is less than 15000, call it Medium, and if it is 15000 or more, call it High. Hint: Use the SWITCH and TRUE functions.
14. Create a calculated column with a suitable name. Using the values in the age columns, if the age is less than 50, call it Young, and if the age is 50 or more, call it Old. Hint: Use the SWITCH and TRUE functions.
15. What is the total number of rows in the education column? Hint: Use the COUNTX function.
16. Find the minimum daily rate. Hint: Use the MINX function.
17. What is the average percentage salary hike? Hint: Use the AVERAGE function.
18. What is the average age of the employees? Hint: Use the AVERAGEX function.

19. Create a dashboard based on the measures and calculated fields created in questions 12 to 17. Hint: Use visuals you consider appropriate.

In addition, create a clustered bar chart showing attrition on the Y-axis; monthly income on the X-axis, and gender as the legend. Create a bar chart showing mean age by department.

20. Publish the dashboards created to the Power BI Service.