



TABLEAU HR DATA ASSESSMENT QUESTIONS

Note: These assessment questions cater to interns at various skill levels, from beginners to experienced analysts. If you find any questions challenging, feel free to search for solutions or contact us at intern@psyliq.com for assistance. Good luck with the assessment!

1. Data Import and Transformation: Can you demonstrate how to import the employee data from Excel files and transform it to remove any unnecessary columns or rows in Tableau?
2. Basic Visualization: Create a simple bar chart in Tableau to visualize the distribution of employees by department.
3. Filtering Data: How can you create a filter in Tableau to allow users to filter employees based on their job role?
4. Joining Data: Explain what kind of join you would use in Tableau to combine the employee data with the in-time and out-time data, and why.
5. Calculated Fields: Create a calculated field in Tableau to determine the age group of employees (e.g., under 30, 30-40, 40-50, over 50)
6. Measures in Tableau: Calculate the average monthly income for employees in Tableau and display it in a card visualization.
7. Time Analysis: How can you use Tableau to calculate the year-over-year growth in monthly income for employees?
8. Hierarchies: Create a hierarchy in Tableau for the date and time columns to allow for easy drill-down analysis.
9. Advanced Calculation in Tableau: Calculate the attrition rate for each department in Tableau and visualize it using a heatmap.
10. Advanced Data Join: Combine the employee data with a different dataset in Tableau using an appropriate join and explain potential considerations.
11. Complex Filtering: Create a dynamic filter in Tableau that allows users to filter employees based on both department and job role simultaneously.
12. Advanced Time Analysis: Calculate the moving average of monthly income over a rolling 3-month period in Tableau using calculated fields.

13. Conditional Formatting: Apply conditional formatting to a table in Tableau to highlight employees with the highest and lowest monthly incomes.
14. Parameter Tables: How can you use parameter tables in Tableau to allow users to set their own thresholds for performance ratings and visualize the results?
15. Custom Visualizations: Create a custom visualization or use a third-party visual in Tableau to present data in a way that's not available in the default Tableau visuals.
16. Aggregations: Explain how to optimize performance in Tableau by creating aggregations for large datasets.
17. What-If Analysis: Use Tableau's What-If parameters to show how attrition rates change when you adjust different factors (e.g., salary increase).
18. Cross-Filtering: Demonstrate the use of cross-filtering between visuals in Tableau to provide an interactive experience for users.
19. KPIs: Create Key Performance Indicators (KPIs) for employee performance in Tableau using calculated fields.
20. Dynamic Reporting: Show how to make a report dynamic in Tableau by using actions, filters, and parameters to switch between different views of the data.