

Power Query

Interview

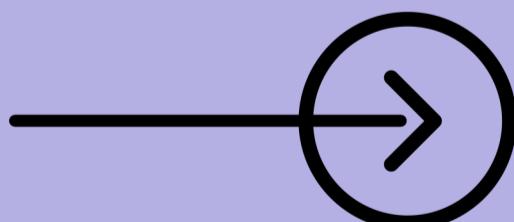
Questions and Answers...!



Sharing with
Counter questions



krishna kumar
@Krishan kumar



What is data transformation in Power BI and why is it important?

Data transformation in Power BI involves modifying, shaping, and cleaning raw data for analysis. It converts data into a consistent, desired format, preparing it for reporting and visualization.

This step is crucial for data analysts and data scientists, ensuring accurate and relevant data, which leads to better insights and decision-making.

**What are the types of
data transformation**



Types of data transformation in Power BI

- **Data Cleaning:** Removing errors, duplicates, and inconsistencies from the dataset.

Example: Removing null values, correcting typos, and standardizing date formats.

- **Data Shaping:** Restructuring the data to fit the required format for analysis.

Example: Pivoting or unpivoting columns, splitting or merging columns.

- **Data Aggregation:** Summarizing data to provide insights at a higher level.

Example: Calculating totals, averages, or counts.

- **Data Merging:** Combining data from multiple sources into a single dataset.

Example: Joining tables from different databases or files..

- **Data Filtering:** Selecting a subset of data based on specific criteria.

Example: Filtering rows based on date range or specific values.

Does it impact the work of data analyst



Impact on work of data analysts and data scientists in Power BI?

- **Data transformation** is crucial for data analysts and data scientists as it ensures they work with clean and well-structured data. This leads to more accurate analysis, better insights, and improved decision-making.
- Effective data transformation in Power BI enables the creation of robust and dynamic reports and dashboards, facilitating a deeper understanding and communication of data-driven findings.
- Without proper data transformation, the analysis might be flawed, leading to incorrect conclusions and potentially costly business decisions.



wanna see some
Counter Questions

1. How do you handle large datasets during data transformation in Power BI?

→ **For large datasets, I use Power Query's capabilities to filter and aggregate data early in the transformation process, reducing the data volume.**

Additionally, I leverage query folding, which pushes transformations back to the source system to improve performance.

Next Question



2. Can you explain a real-world scenario where data merging was crucial in Power BI?

- A real-world scenario could be merging sales data from different regions stored in separate databases.

By combining these datasets into a single view, we can analyze overall sales performance, compare regions, and identify trends and patterns across the entire organization.



**Next
Please**

3. How does data shaping improve the analysis process in Power BI?

→ **Data shaping allows us to restructure data into a format that fits our analytical needs.**

For example, pivoting columns can turn long-format data into a more user-friendly wide format, making it easier to create visuals and perform detailed analysis



4. What are some challenges you've faced during data transformation, and how did you overcome them?

→ One common challenge is dealing with inconsistent data formats from different sources.

To overcome this, I use data profiling tools in Power Query to understand data quality issues and apply transformations like standardizing date formats and correcting typos to ensure consistency.



you completed one interview question
with me,

see you in the next one



Find This Useful



Time to hit that like button
and give it some love! 😍

Visit my LinkedIn for such amazing Content😊

[in krishan kumar](#)