
Power BI Assignment 1

1. What do you mean by BI? Explain.

Business intelligence refers to the processes and tools used to analyze business data, turn it into actionable insights, which helps corporate executives, business managers, and other Business users to take decisive business decisions. BI system analyzes current and historical data and presents findings in easy-to-digest reports, dashboards, graphs, charts, and maps that can be shared across the company.

2. How Power-BI helps in BI, and how does it help Analysts? Explain.

Power BI is a Business Intelligence and Data Visualization tool which helps to convert data from the various data sources into interactive dashboards and BI reports. It provides multiple software connectors and services.

Here are four primary reasons Why **Analyst** use Power BI tool :

- Pre-built dashboards and reports for SaaS Solutions.
- Power BI allows real-time dashboard updates.
- Offers Secure and reliable connection to data sources in the cloud or on-premises
- Power BI offers fast deployment, hybrid configuration, and a secure environment.
- It helps data exploration using natural language query

3. Explain Descriptive analytics?

Descriptive analytics “What happened in past and what happening in now” in this we

- Summaries historical data
- Visualization, Dashboard and Report generation.

Eg. Performance of ABC product in 2021.

4. Explain Predictive analytics?

Predictive analytics “What will happen in the future”(Forecasting).

In this we

- We can predict future events
 - Machine Learning, Deep Learning and AI.
 - Sale of Product ABC in 2022
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5. Explain perspective analytics?

Prescriptive Analytics “ What action to be taken to achieve predict results ”

- Suggest action and possible results
Eg. Self-driving CAR.

6. Write five real-life questions that PowerBi can solve.

Q1. Highlight company performance by major KPIs?

Q2. What is the overall sales trend?

Q3. What are the Top 10 products by sales?

Q4. What is the overall month over month and year over year growth?

Q5. What's the sales breakdown by category?

