

Power BI

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Assignment - 1.

Q1. What do you mean by BI? Explain.

Ans: BI stands for Business Intelligence.

- BI refers to procedural and technical infrastructure that collects, stores, and analyze the data produced by a company activities.
- BI is a broad term that encompass data mining, process analysis, performance benchmarking, and descriptive analytics.
- BI processes all data generated by a business and present easy-to-digest reports, performance measures and trends that inform management decision.

Q2. How power-bi helps in BI, and how does it help analytics?

Ans: Microsoft Power BI is used to find insights within an organization data. Power BI can help connect disparate data sets, transform and clean the data into a data model, and create charts or graphs to provide visuals of the data.

Report authors can use more feature to enhance their reports for analytics insights in their data with features like DAX and Export

Q3: Explain Descriptive Analytics?

Ans: • Descriptive Analytics is the process of passing historical data to better understand the change that have occurred in a business.

- Using a range of historical data and benchmarking, decision-makers obtain a holistic view of performance & trends on which to base business strategy.
- It helps to identify the area of strength & weakness.
- It answers the question "What happened"?

Q4: Explain Predictive Analytics?

Ans: • Use statistics and modeling techniques to determine future performance.

- Industries and disciplines, such as insurance and marketing use to make important decision.
- Types of predictive analysis model includes decision tree, regression, and neural network.
- It helps make weather forecasts, develop video games, translate voice-to-text message, customer service decision, etc.

Q5: Explain perspective analytics?

Ans: Perspective analytics is a form of data analytics that tries to answer "What do we need to do achieve this?"

- It use machine learning to help business decide a course of action based on a computer program prediction.
- Perspective analytics work with predictive analytics, which uses data to determine near-term outcomes.
- It helps to organization to make decision based on facts.

Q6: Write five real-life questions that PowerBI can solve.

- Ans:
- Waiting on Figures
 - Using data from old Reports.
 - Excessive time spent preparing for presentation.
 - Being unable to find specific data sets.
 - Not being able to determine your level of success.