

Assignment

Q. What do you mean BI? Explain.

Ans. Business intelligence (BI) is software that ingests business data and presents it in user-friendly views such as reports. Used to find insights within an organization data. All of this can be shared with other Power BI users within the organization.

Q. How Power BI help in BI, and how does it help analysts? Explain.

Ans. Power BI is a BI and data visualization tool that leverages visual analytics to empower people and organizations in making the most of their data. The engaging visualizations created in Power BI take the excel workflow to the next level and help stakeholders make sense of the massive amount of data available.

Power BI brings together data from multiple sources to give you a comprehensive view of your company's information assets.

Explain descriptive analytics?

Ans. It uses data mining and data aggregation to discover historical data. It looks at historical data and analyzes past

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data trends to predict what could happen. It takes the conclusion gleaned from descriptive and predictive analysis and recommends the best future course of action.

Explain Predictive analytics ?

Predictive analytics is the process of using data to forecast future outcomes. The process uses data analysis, machine learning, artificial intelligence and statistical model to find patterns that might predict future behaviour.

For example : If the temperature reading on a machine correlates to the length of time it runs on high power, those two combined readings may put the machine at risk of downtime.

Write five real life questions that Power BI can solve ?

Ans. i) You can use Power BI Desktop to create reports for your own team about customer engagement statistic and (ii) you can view inventory and manufacturing progress in a real-time dashboard in the service.

iii) You can create a paginated report of mailable invoices, based on a Power BI dataset.

iv) Power BI with real-time streaming helps you stream data and update dashboards in real time.

v) Power BI helps you quickly identify data quality issues and provides numerous ways to address them.