

Power BI Assignment -1

1. What do you mean by BI? Explain.
 2. How Power-BI helps in BI, and how does it help Analysts? Explain.
 3. Explain Descriptive analytics?
 4. Explain Predictive analytics?
 5. Explain perspective analytics?
 6. Write five real-life questions that PowerBi can solve.
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1. Business Intelligence is the set of actions like processing, architecture, and technologies that convert the raw data into meaningful information that give profitable business actions.
 - a. It has a direct impact on organisation's strategic and operational business decisions.
 - b. BI tools perform data analysis and create reports, summaries, dashboards, maps, graphs and charts to provide users with detailed intelligence about the nature of the Business.
 2.
 - a.) We have many Business Intelligence tools which are being used in our corporate world, but Power BI is the mostly used tool. Power BI is a BI and data visualisation tool that leverages visual analytics to empower people and organisations in making the most of their data. The engaging visualisations created in power BI take the excel workflow to the next level and help the stakeholders make sense of the massive amounts of the data available.
 - b.) Power BI is very much useful for both the business and data Analysts, it has powerful features like connecting disparate data sets, transforming and cleaning the data into data models then creating the charts and reports to share it among the users in the organisations.
 - c.) Report authors can use more features to enhance their reports for analytical insights in their data with features like Q&A and exporting, with this module the users can closely examine the data and Power BI reports and then extract values with the deeper analysis.
 3. Descriptive analysis is a type of data analytics that looks at past data to give an overview of what has happened and what changes have occurred in a business, results are typically presented in reports, dashboard, barcharts and other visualisations that are easily understood.
 - a. This also helps in using a range of historic-data and bench-marking, decision makers, obtains a holistic view of performance and trends on which to base business strategy.

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4. Predictive analysis is advanced analytics that makes predictions about future outcomes using historical data combined with statistical modelling, data mining techniques and machine learning.

Predictive analytics models capture relationships among many factors to assess risk with a particular set of conditions to assign a score or weightage. By successfully applying predictive analytics the business can effectively interpret big data for their benefits.

5. Perspective analysis is a process that analyses data and provides instant recommendations on how to optimise business practices to suit multiple predicted outcomes.

Once you predict a set of potential outcomes, perspective analysis helps control those outcomes, which are beneficial to your business in the long run. It helps you understand how and which can be choreographed to achieve the desired result.

6. Five real time problems that are easily solved using Power BI.
 - 1.)Using the data from old reports
 - 2.)Being unable to find the specific data sets
 - 3.)Not being able to determine your success level
 - 4.)Excessive time spending in preparing presentation
 - 5.)Not getting the information quickly