

1) What do you mean by BI? Explain.

Business intelligence is the process by which enterprises use strategies and technologies for analyzing current and historical data, with the objective of improving strategic decision-making and providing a competitive advantage.

The goal of business intelligence is to collect information and analyze it; so that a forward-thinking organization can make better business decisions.

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

Microsoft Power BI is used to find insights within an organization's 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. All of this can be shared with other Power BI users within the organization. Microsoft Power BI is used to find insights within an organization's 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. All of this can be shared with other Power BI users within the organization.

3) Explain Descriptive analytics?

Descriptive analytics is the process of using current and historical data to identify trends and relationships. It's sometimes called the simplest form of data analysis because it describes trends and relationships but doesn't dig deeper.

Descriptive analytics is relatively accessible and likely something your organization uses daily. Basic statistical software, such as [Microsoft Excel](#) or [data visualization tools](#), such as Google Charts and Tableau, can help parse data, identify trends and relationships between variables, and visually display information.

Descriptive analytics is especially useful for communicating change over time and uses trends as a springboard for further analysis to [drive decision-making](#).

4) Explain Predictive analytics?

Predictive analytics is the use of data to predict future trends and events. It uses historical data to forecast potential scenarios that can help drive strategic decisions.

The predictions could be for the near future—for instance, predicting the malfunction of a piece of machinery later that day—or the more distant future, such as predicting your company's cash flows for the upcoming year.

Predictive analysis can be conducted manually or using machine-learning algorithms. Either way, historical data is used to make assumptions about the future.

One predictive analytics tool is regression analysis, which can determine the relationship between two variables (single linear regression) or three or more variables (multiple regression). The relationships between variables are written as a mathematical equation that can help predict the outcome should one variable change.

5) Explain perspective analytics?

Prescriptive analytics is a type of [data analytics](#) that attempts to answer the question "What do we need to do to achieve this?" It involves the use of technology to help businesses make better decisions through the analysis of raw data. Prescriptive analytics specifically factors information about possible situations or scenarios, available resources, past performance, and current performance, and suggests a course of action or strategy. It can be used to make decisions on any [time horizon](#), from immediate to long-term. It is the opposite of descriptive analytics, which examines decisions and outcomes after the fact.

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

1. Waiting On Figures

Power BI allows you to access your company's data analytics almost instantly. On top of that, it also makes the data easy to decipher with advanced visualizations which can be shared at the touch of a button.

2. Using Data From Old Reports

Using Power BI reduces the possibility of error by allowing reports to be run in seconds using only the most current data. This ensures that reports can't be altered or deleted and eliminates the time spent sifting through files to find the correct data.

3. Excessive Time Spent Preparing For Presentations

Power BI can quickly and easily create visual representations of your data and provide stunning and accurate presentations for your meetings. Using Power BI's automated reporting tools can save hours of preparation.

4. Being Unable To Find Specific Data Sets

Power BI allows IT members to publish data catalogs for others to view. This makes it easier for you to find the data sets needed to perform an analysis. Additionally, using natural language technology and its Question & Answer feature provides a more natural experience to locate and better understand your BI.

5. Not Being Able To Determine Your Level Of Success

Using Power BI's Question & Answer feature, it's now possible to ask your software these questions using natural language. Ask what your profits were for that month or how customer subscription numbers compare to last year's.