Power BI Assignment 1

1. What do you mean by BI? Explain.

   Business intelligence includes data analytics and business analytics but uses them only as parts of the whole process. BI helps users draw conclusions from data analysis. Data scientists dig into the specifics of data, using advanced statistics and predictive analytics to discover patterns and forecast future patterns.

   Business intelligence (BI) combines business analytics, data mining, data visualization, data tools and infrastructure, and best practices to help organizations to make more data-driven decisions.

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

   With Microsoft Power BI, users can analyze the data from different sources and share it with anyone using the Power BI Service. Microsoft Power BI architecture enables non-technical users to get actionable insights into their business data without spending much time and resources learning about the system.

   Power BI Desktop allows you to create reports and data visualizations on the dataset. Power BI gateway is connected to on-premise data sources to get continuous data for reporting and analytics. Power BI services refer to the cloud services that are used to publish Power BI reports and data visualizations.

2. Explain Descriptive analytics?

   Descriptive Analytics is the examination of data or content, usually manually performed, to answer the question "What happened?" (or What is happening?), characterized by traditional business intelligence (BI) and visualizations such as pie charts, bar charts, line graphs, tables, or generated narratives.

3. Explain Predictive analytics?

   Predictive analytics is the use of data, statistical algorithms and machine learning techniques to identify the likelihood of future outcomes based on historical data. The goal is to go beyond knowing what has happened to providing a best assessment of what will happen in the future

4. Explain perspective analytics?

   Prescriptive analytics is the process of using data to determine an optimal course of action. By considering all relevant factors, this type of analysis yields recommendations for the next steps. Because of this, prescriptive analytics is a valuable tool for data-driven decision-making.

5. Write five real-life questions that PowerBi can solve.
   1. Waiting On Figures. ...
   2. Using Data From Old Reports. ...
   3. Excessive Time Spent Preparing For Presentations. ...
   4. Being Unable To Find Specific Data Sets. ...
   5. Not Being Able To Determine Your Level Of Success.