**Power BI Assignment 1**

1. **What do you mean by BI? Explain.**

A: BI means Business Intelligence, It Includes Data Analytics and business Analytics to help users draw conclusions from Data Analysis.

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

A: POWER-BI allows users to connect to various data sources, visualize and analyze the data, and share the insights in the form of interactive reports and dashboards.

It helps Analysts in

1)Data Connectivity

2)Data Exploration and Visualization

3)Data Transformation

4)Collaboration and Sharing

5)Integration with other Microsoft products

1. **Explain Descriptive analytics?**

A: Descriptive analytics is a type of business intelligence that involves summarizing and describing data in order to understand it better. It is used to answer questions about what has happened in the past, and to gain insights into how different elements of a business are performing.

The goal of descriptive analytics is to make sense of historical data and provide a clear picture of what has happened in the past.

1. **Explain Predictive analytics?**

A: Predictive analytics is a type of business intelligence that uses statistical techniques, machine learning algorithms, and historical data to make predictions about future events. It is used to identify patterns and trends in data, and to make predictions about future outcomes.

1. **Explain Perspective analytics?**

A:Perspective 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 next steps. Because of this, prescriptive analytics is a valuable tool for [data-driven decision-making](https://online.hbs.edu/blog/post/data-driven-decision-making" \t "https://online.hbs.edu/blog/post/_blank).

1. **Write five real-life questions that PowerBi can solve.**

A: 1) Power BI can be used to analyze sales data, such as revenue, customer demographics, and product information, to identify patterns and trends in sales performance.

1. Power BI can be used to connect to financial data, such as income statements, balance sheets, and cash flow statements, and create interactive reports and dashboards that provide insights into financial performance.
2. Power BI can be used to connect to data from different parts of a supply chain, such as inventory levels, shipment information, and vendor performance, and create interactive reports and dashboards that provide insights into supply chain performance.
3. Power BI can be used to connect to data from customer interactions, such as purchase history, website behavior, and social media activity, and create interactive reports and dashboards that provide insights into customer behavior.
4. Power BI can be used to connect to data from Internet of Things devices, such as sensors, cameras, and smart devices, and create interactive reports and dashboards that provide insights into IoT data.