**Power BI Assignment 1**

1. What do you mean by BI? Explain.

Business intelligence (BI) refers to **the procedural and technical infrastructure that collects, stores, and analyzes the data produced by a company's activities**. BI is a broad term that encompasses data mining, process analysis, performance benchmarking, and descriptive analytics.

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

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 amounts of data available.

1. Explain Descriptive analytics?

Descriptive analytics is **the process of parsing historical data to better understand the changes that have occurred in a business**. Using a range of historic data and benchmarking, decision-makers obtain a holistic view of performance and trends on which to base business strategy

1. 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.

1. Explain perspective analytics?

Prescriptive Analytics is **a form of advanced analytics which examines data or content to answer the question “What should be done?” or “What can we do to make \_\_\_\_\_\_\_ happen?”**, and is characterized by techniques such as graph analysis, simulation, complex event processing, neural networks, recommendation engines, ...

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

* Waiting On Figures. ...
* Using Data From Old Reports. ...
* Excessive Time Spent Preparing For Presentations. ...
* Being Unable To Find Specific Data Sets. ...
* Not Being Able To Determine Your Level Of Success.