**Power BI Assignment 3**

1. List and explain different PowerBi products?

**Power BI Products and Pricing**

* Creating and editing customized reports for every level of expertise.
* Data ingestion from hundreds of supported data sources.
* Data transformation, cleaning, data model creation with built-in Power Query Editor.
* AI-driven analytics.
* Interactive reporting with pre-built or custom visuals.

1. What limitations of Excel, Microsoft solved by PowerBi?

Most of us are familiar with Excel by now. From college students to business professionals, Excel has served as a traditional data source platform with enough functionality to get the job done. However, in this day and age, businesses are becoming more reliant on intelligent analytics and data interaction.

Power BI offers users working within the Microsoft platform the opportunity to capitalize on a more high-functioning tool. It can even interact with Excel and other data-based tools to ensure a seamless workflow. So what are the Power BI advantages over Excel? We’ll highlight the key components below so you can come to know the difference.

Single Source of Truth – Workspace

Row level

Cloud services

Quick insight

Data manipulation

Data driven alerts

Visualizations

1. Explain PowerQuery?

Power Query is a data transformation and data preparation engine. Power Query comes with a graphical interface for getting data from sources and a Power Query Editor for applying transformations. Because the engine is available in many products and services, the destination where the data will be stored depends on where Power Query was used. Using Power Query, you can perform the extract, transform, and load (ETL) processing of data.

1. Explain PowerMap?

A power map **lets you discover insights you might not see in traditional two-dimensional (2-D) tables and charts**. With Power Map, you can plot geographic and temporal data on a 3-D globe or custom map, show it over time, and create visual tours you can share with other people.

Power mapping can be helpful for the clinician and the client or group to see environmental factors contributing to their identified issue(s) as well as the potential strengths that can contribute to client well-being. Power mapping has been used in the clinical setting in order to enhance the life of the client and to measure the potential power of an individual. In this setting, the power map is used as a visual tool showing the potential assets and resources and can include proximal influences such as: home and family life, education, social life, personal resources, job situation/skills, and material resources.

This tool can look similar to an ecomap, but can go further in depth to account for the more distal influences such as: policy, economics, culture, and the media. Power mapping can be beneficial when used as a visual to determine the clients strengths as well as the areas that cause the client the most distress and how the larger system may be a major factor in an individual’s issue. Power mapping can allow clients to be enlightened on the systemic or institutional powers that contribute to the damaging environment in which they may live. This allows the client to attach personal challenges to the larger system and can bring with it a “significant relief of distress” Power mapping “is likely in clinical use to vary from individual to individual” According to Hagan & Smail, maps can be used to:

1. Guide the helper and client to map current circumstances.
2. Provide a visual summary of clients' current/past position.
3. Target areas for concert ed action to increase power.
4. Monitor progress.
5. Measure outcomes in mental health interventions.
6. Compare client groups.
7. Microsoft power map percentage still under process
8. How powerBi eliminated the need to host SharePoint Server on premises?

On-premises data gateway: **Allows multiple users to connect to multiple on-premises data sources**. With a single gateway installation, you can use an on-premises data gateway with all supported services. This gateway is well suited to complex scenarios where multiple people access multiple data sources.

1. Explain the updates done in Power Bi Service(power BI 2.0) as compared to older version ?

**The 6 Most Important New Features of the Latest Power BI Update**

1. The format pane gets a makeover.
2. Two new navigators: Page and bookmark navigators.
3. New dashboard visual and new visuals available in the AppSource.
4. New data connectors.
5. Choose your workspace.