
Power BI Assignment 3

1) List and explain different PowerBi products? **Power BI Desktop**

1.1 Power BI Desktop

1.2 Power BI Pro

1.3 Power BI Premium

1.4 Power BI Embedded

1.1 Power BI Desktop:

Creating and editing customized reports for every level of expertise.

Data ingestion from hundreds of supported data sources.

Data transformation, cleaning, data model creation and with built-in Power Query Editor.

AI-driven analytics.

Interactive reporting with pre-built or custom visuals.

Free

1.2 Power BI Pro:

Self-service BI in the cloud.

Creating, editing, and, sharing reports and dashboards among users.

Collaboration in personal and team workspaces.

10 GB of storage per user.

\$9.99 user/month

1.3 Power BI Premium:

Enterprise BI both on-premises and in the cloud.

Dedicated storage (100 TB) and compute resources.

Consumption of Power BI content without individual licensing.

Maintaining BI assets on-premises with the Power BI Report server.

Paginated reporting.

Multi-geo capability.

\$4,995 dedicated cloud storage and compute resources/month with an annual subscription

1.4 Power BI Embedded:

Reports, dashboards, and visual analytics embedded into applications.

An extensive library of data connectors, APIs, and fully documented SDKs.

Pay-as-you-go: from \$1.0081/hour to \$32.2506/hour

2) What limitations of Excel, Microsoft solved by PowerBi?

Excel has limitations in the amount of data it can work with. In contrast, Power BI can handle much larger amounts of data. Power BI can connect to a large number of data sources, while Excel's connectivity capacity is limited. Also, unlike Excel, Power BI can be easily used from mobile devices.

3) 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. With Power Query (known as Get & Transform in Excel), you can import or connect to external data, and then shape that data, for example remove a column, change a data type, or merge tables, in ways that meet your needs.

4) 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 is a visual tool used by social advocates to identify the best individuals to target to promote social change. The role of relationships and networks is very important when advocates seek change in a social justice issue.

5) How powerBi eliminated the need to host SharePoint Server on-premises?

Microsoft Silverlight is a technology that will no longer be supported as of October 12, 2021. This means that, Silverlight-based rendering will no longer be supported in SharePoint Server 2019.

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

A variety of new features such as a hierarchical axis by default, translations for composite models, mobile formatting options general availability, and cross tenants' datasets sharing.
