|  |  |
| --- | --- |
| Power BI | Tableau |
| Ron George originally designed power BI in the summer of 2010, and the initial release was available for public download on 11 July 2011. | Tableau Software was founded in 2003 in Mountain View, California, and Tableau Desktop 1.0 was released in 2004. On 1 August 2019, Salesforce acquired Tableau. |
| Power BI has an easy drag and drops functionality, with features that allow you to copy all formatting across similar visualizations. | Tableau has the feature of drag-n-drop, which allows its users to create interactive visuals quickly. It can also build interactive dashboards with just a few clicks. |
| Power BI is cheaper than Tableau software. Power BI professional version costs less than $10 per month per user. The yearly subscription comes around $100. Power BI Premium is licensed by dedicated cloud compute and storage resources and is priced at $4,995/month. | Tableau is more expensive, where the pro version of Tableau comes at more than $35 per month per user. The yearly subscription costs around $1000. Tableau Creator costs around $70/ month, while Tableau Viewer is priced at $12/month. If you are a startup or a small business, you can opt for Power BI and then upgrade to Tableau if the need arises. |
| Power BI is easy to use. It is faster and performs better when the volume of data is limited. Power BI tends to drag slowly while handling bulk data. | Tableau can handle large volumes of data quickly. It is faster and provides extensive features for visualizing the data. Tableau doesn't limit the number of data points in visualization or enforce row or size limitations, giving you a 360-degree view of your data. |
| The user interface of Power BI is intuitive, and it can easily be integrated with other Microsoft products. Power BI interface is easy to learn and understand. It is user friendly and allows you to operate better. Power BI Desktop provides three views that you can select on the left side of the canvas - the report view, the data view, and the model view. | Tableau has an intelligent interface that enables you to create and customize the dashboards according to your requirements. It has an inviting workspace area that encourages you to experiment with data and get smart results. The workspace area has different cards and shelves, toolbar, sidebar, data source page, status bar, and sheet tabs. |
| Power BI is that it supports various data sources but has limited access to other databases and servers compared to Tableau. Some of the examples are Microsoft Excel, Text/CSV, Folders, MS SQL Server, Access DB, Oracle Database, IBM DB2, MySQL database, PostgreSQL database, etc. | Tableau Software has access to numerous data sources and servers such as Excel, Text File, PDF, JSON, statistical file, Amazon Redshift, Cloudera Hadoop, Google Analytics, dropbox, google sheets, google drive and others. |
| Power BI enjoys the advantages of Microsoft business analytics that includes platforms such as Azure Machine learning, SQL Server based Analysis Services, data streaming in real-time, and many Azure databases offers. It helps to understand the data and analyze the trends and patterns in the data. | Tableau supports the features of Python machine learning. This allows us to perform machine learning operations over the datasets and forecast data. |