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☞ Advantages, Disadvantages and best uses of five popular data visualization tools:

① Tableau ② Plotly ③ Infogram
④ Power BI ⑤ chartblocks

① Tableau :

A popular data visualization software That enables users to create interactive and dynamic dashboard, chart and graphs.

* Uses :

It is most appropriate for corporate agencies and companies who are looking for solution through collected data with out needing to create a manual set-up.

* Advantages:

→ It can perform analaysis of the company data in real time.

→ The software provides admission to multiple data analytics.

→ Easily allowes for data blending making the job easier.

→ Provides customer support that meets with an extensive range of requirement.

→ It is also user-friendly and can be easily integrated with other tools such are as Excel and salesforce.

Disadvantages:

→ One can not automatically refresh the reports in this software.

→ The solution is not very comprehensive

→ Expensive for small business.

→ It may also require significant training.

② Plotly:

An open source graphing library for python and javascript that allows users to create interactive, publication-quality visualization.

* Uses :

Plotly is a good platform for all different different kinds of users: From avides coders to those who just want to make simple chart, and specially for those who dont know much.

* Advantages :

→ It supports many languages such as: Python, R, Node etc.

→ It provides detailed documentation and a supportive community, which make its easier to learn and troubleshoot any issues.

→ It allows for interactive and dynamic visualization, making it easier to explore and understand data.

→ Plotly provides a wide range of chart types and customization options.

→ It has a user-friendly web-based Interface that makes it easy to create and share visualization.

Disadvantages :

→ Plotly can be resource-intensive and may not be suitable for large database or slower machine.

→ Some of the more advance fetures of plotly require a paid subscription, which may not be affordable for all user.

→ Plotly visualization are hosted on plotly servers.

→ Plotly's Python library can be complex for beginners.

② Infogram :

An easy to use online tool that allows users to create interactive and visually appealing infographics, chart and maps.

* Uses :

Infogram is used by businesses and org nization across a range of industries including finance, marketing and education. It is also used for creating infographics. It can used to create Reports, Presentation and other documents

Advantages:

→ Infogram is user-friendly and easy to learn

→ Its provides a range of customization option.

→ It provides real-time data updates

→ Infogram provides a range of sharing option.

→ It's supports a wide range of chart types.

Disadvantages:

→ Infogram free version is limited in terms of the numbers of chart and visualization that can be created

→ Paid subscription are needed for some interactive visualization.

→ Infogram may not be suitable for very large database or complex data analysis needs.

④ Power BI :

A business analytics service by microsoft that provides interactive visualizations and business intelligence capability with an interface that allows users to drag and drop into charts and graphs.

* Uses :

→ Power BI is a data visualization tools that allows users to create an interactive reports and dashboards. It can be analyze data from various source.

* Advantages:

→ Power BI offers a user-friendly interface and can be easyly integrated with other microsoft tools, such as Excel and share point. It also have a wide range of a visualization options.

* Disadvantages:

→ Power BI can be expensive, especially for small business or. indivisuals. it may also require some technical expartise to use all of its advanced features.

⑤ **Chartblocks :**

Chartblocks is a cloud based data visualization tools that allows users to create various types of chart and graph including line chart, pie chart, Bar chart, and more.

* Uses :

Chartblocks is commonly used for business analytics and also used for Financial analysis, Marketing metrics, and Educational purposes. Overall chartblocks is a useful data visualization tools.

* Advantages :

→ Chartblocks is very user-friendly
→ It is can pull data from multiple source.
→ Chartblocks allows users to create interactive chart
→ Its offers a wide range of charts.
→ It's allows to users to share chart and collaborate on them in real-time.

* Disadvantages :

→ Chartblock has limited customization options.

→ Chartblocks has limited number of templates, very difficult to create unique chart.

→ ~~It it~~ It's does not support as many data source as other data visualization tools.