

Bingo Card Answers

Bingo Squares:

This stage is the linchpin of the data visualization process.

The represent stage is the linchpin of the data visualization process.

The purpose of visualization is ...

The purpose of visualization is to draw patterns, trends, conclusions, and significance to the data being visualized. Being able to visualize your data tells you more about it rather than looking at just the numbers. You can find things about the data that you wouldn't have seen otherwise.

This chart type shows you to comprehend the relationship between data sets.

Scatter plots shows the relationship between data sets.

Define & give an example of a secondary data source.

A secondary data source is data that was collected by someone else, and the data is usually collected earlier in time. An example of this would be the information about the crew on the Titanic. Link: <https://www.kaggle.com/khushimehta1729/titanic-crew-survived>

This chart type shows individual parts that make up a whole.

Pie charts show individual parts that make up a whole.

Other Squares:

I can describe what happens in the Mine stage.

Yes, what happens in the Mine stage is you find statistics from your data such as finding the averages, medians, modes, etc. about specific variables in your data.

Describe the relationship between the Critique and the Refine Stage.

You need to get feedback first to be able to improve your work. It is insightful to get recommendations from peers about how to improve, then you take your recommendations and then refine your work to be better.

List the advantages of mining before filtering data.

It is good to mine before filtering because you can quickly see what kind of results you are building up from the data that you are representing so far. You will be able to decide what is good to keep and what is not to be able to keep your data relevant to what you are trying to accomplish.

Describe the relationship between the Represent and Filter Stage.

It is important to filter out irrelevant data before representing it because you want your visualization to have relevant data being shown rather than unnecessary parts that don't matter to the purpose of the visualization.

Define & give an example of a primary data source.

A primary data source is a record of an event as it is first described by a first-hand researcher. An example of this is the autobiography of Jeannette Walls. Link:

https://en.wikipedia.org/wiki/The_Glass_Castle

This chart type allows you to compare values.

Bar charts allow you to compare values.