Not All Talk

Video Transcript

Having to organize and present data can be very intimidating for those unfamiliar with creating data visuals. When conducting research, large datasets make conclusions more accurate. However, large datasets can be overwhelming to work with. A foundation in organizing and forming a visual of this data can be essential to successful research.

Data is not worth much when isolated on its own. Most likely, data needs some type of comparison, connection, or interpretation in order to be meaningful. Once data is processed, one can begin to look for trends, patterns, and connections. Depending on the kind of data and what information one wants to relay, there are several types of visualization techniques to consider. It is crucial to maintain the accuracy of data when creating a visual. Data visualization portrays the data collected but does not include making assumptions about the data's meaning. This means that charts, graphs, or other visuals must be drawn to scale and labeled accurately. The purpose of the visualization is to make the data easier to analyze and discuss.

Consider the scenarios under which data visualization may be beneficial. Perhaps a teacher wants to see trends in class attendance. The teacher can record how many absences there are each month for each school year. Once this data is collected, visualization techniques can be used to see if there are patterns. The teacher may want to know if the highest number of student absences occur in the same month every year. If that is the case, then the teacher may want to think about the causation of this observation. A bar graph or line graph may be helpful to compare months over the course of a year, whereas a fan chart may be helpful when comparing multiple years at once.

Verbally explaining an intricate procedure to an individual or even an audience is difficult without a visual, like how putting together a piece of furniture is difficult without the diagrams.
in the instruction manual. While doing so may be possible, visuals and diagrams make the task much easier!

About this transcript:

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- Corresponding Lesson: ICST_047 Data Visualization
- Author and curator: Danielle Melia for The TEL Library.
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