Computer Science Virtual Learning

Computer Science Principles

May 21, 2020

Lesson: May 21, 2020
Discover a Data Story

Learning Target:

Students will be able to:

- **Investigate a dataset.**
- **Create a visualization (chart) from provided data.**
- **Identify possible trends or connections in a data set by creating visualizations of it.**
- **Accurately communicate about a visualization of their own creation.**

Today we're going to see how visualizing data can be a useful tool for discovery. In today's activity, you will investigate some sets of data on your own and use visualization to discover a connection or trend.

Quick Investigation of a sample dataset

For today's work there are several datasets for you to choose from.

- **We're going to take 5 minutes to poke around in one of the datasets to see how it's structured.**

- **Then we need get some terms straight before discovering further.**

Click on the link and Go to Code Studio

1. Find the link to the "Personality" dataset and open the folder.
2. Find and open the README file.
3. Find and open the rawData.csv file.
4. Find and open one other .csv file - there are a few.

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What's in the folder for a dataset?

You can use a think-pair-share or a simple whole group discussion to get the details out.

Ask the questions, or click this link for a some explanations and definitions of these different data file types.

Click the link and make a copy of the **Discover a Data story Activity Guide**

Explore the datasets that we identified in the introduction and choose one you'd like to learn more about.

Make sure you:

- **Read the README to understand the raw data that was collected**
- **Look at the summary tables provided for your dataset.**
- **Repeat these steps with additional datasets**
- **Choose one to explore more deeply.**
- **You may want to use this document as a resource sheet.**

Share your Data Story with your family and friends

- **Show the visualization you made.**
- **Explain what it shows.**
- **Explain the possible story it tells.**