

Name(s) _____ Period _____ Date _____

Activity Guide - Big, Open, and Crowdsourced Data



Background

Today you will research one of three topics at the intersection of data analysis, computing, and society. These topics all use the data analysis process in new and interesting ways to address problems.

Topic	Links	Key Vocabulary to Look For
Topic 1 Big Data	<ul style="list-style-type: none"> AI and Parallel Systems https://www.youtube.com/watch?v=1XGo8K1boH4 Big Data and Medicine Code.org https://www.youtube.com/watch?v=bMrDHtGHFR4 	Scalability Parallel systems
Topic 2 Crowdsourced Data	<ul style="list-style-type: none"> How Pokemon Inspired A Citizen Science Project... https://www.npr.org/2018/04/20/597972310 What is Citizen Science? https://youtu.be/81hhecl0p5k 	Citizen science Crowdsource
Topic 3 Open Data	<ul style="list-style-type: none"> What is Open Data? https://www.youtube.com/watch?v=qSD9ob8rGcs The Case for Open Data https://www.youtube.com/watch?v=iOrPK7p2AwI 	Open data Open access

What topic did you choose? _____

As you watch the videos keep notes on examples of how they complete each step of the data analysis process.

Collect or Choose Data	Clean and/or Filter Data	Visualize and Find Patterns	New Information

What is the core idea of your topic? What is it about?

Give two examples of the problems / questions your topic is being used to solve / answer.
