

Lesson 8: Project Tell a Data Story Part 1

Overview

This is the first day of a project where students use the Data Analysis Process to tell a data story. Students complete the first page of the Activity Guide for this project during this lesson.

Purpose

The goal of this lesson is for students to put into use all of the data analysis skills they have practiced throughout this unit.

Standards

Full Course Alignment

CSTA K-12 Computer Science Standards (2017)

- ▶ **DA** - Data & Analysis

Agenda

Warm Up (2 minutes)

Activity (43 minutes)

Wrap Up

Objectives

Students will be able to:

- Create an effective visualization
- Follow the Data Analysis Process to tell a data story
- Write a short explanation of a data set referencing the metadata

Preparation

- Preview the Project Guide

Links

Heads Up! Please make a copy of any documents you plan to share with students.

For the teachers

- **CSP Unit 9 - Data** - Slides

For the students

- **CSP U9 Project Guide - Tell a Data Story** - Activity Guide

Teaching Guide

Warm Up (2 minutes)

Remarks

For the next few days you will work on a project that tells a data story using the Data Analysis Process. Let's get started!

Activity (43 minutes)

Distribute: Make sure that all students have access to the Project Guide. Students can find this on the first level of Lesson 7 on Code Studio.

Do This: Read through the Project Guide as a class. Students are focusing on Page 1 of the guide

today, which covers the first three parts of the Data Analysis Process.



Data Story Workspace

💡 Teaching Tip

Choosing a dataset for the project and creating the visualization may be a cyclical process. Encourage students to explore the datasets using the Data Visualizer before making a firm decision. Allow a good amount of time for this exploration.

Students should look for visualizations that lead to a compelling narrative. This will result in a more compelling and insightful written response.

Student answers on the Project Guide will vary. You might ask students to write full paragraphs or allow bullet points. You are encouraged to modify for your classroom environment.

Wrap Up

Note: There is no wrap up today. Allow the full time for students to work on their projects.