

CS109 Activity Handout

Thursday, November 5, 2015

Homework

Download and install [Tableau Public](#). You will be working in teams of two during lecture. If you were not able to download and install [Tableau Public](#) make sure you find a teammate who has it working on their laptop. Download the data in this [data folder](#) to your laptop.

Music Store Data

In this activity you will look at the dataset called [MusicStore.csv](#) that contains data about music sales of a fictional music store. This data set was adapted from the Chinook database offered at [codeplex](#). Start by loading the data into your copy of Tableau Public.

Your boss would like you to answer the following questions:

1. Which genre sells the most? To help determine next year's budget, you are asked to create a visualization to determine which genre sells the most to our customers in Europe and Asia.
2. Which artists sell the most? You are also asked to show if the artists produced tracks only on one genre, or if they have music across multiple genres.
3. How does the sales trend of "Rock" compare against "Alternative & Punk" and "Blues"? One of your market researchers needs to find out the sales trends and you offered to help her out.
4. What does geographic sales distribution look like in Europe? You want to expand sales to more European countries. To do this, you need to know first how our sales looks like in the countries we are currently catering.
5. Create a dashboard that combines the map and two more visualizations. Enable filtering and selection to make your dashboard interactive. Give it a title.

Pick Your Own

Your goal in this activity is to create several visualizations that answer at least **three** interesting questions. Pick your visualization types based on the kinds of questions you are answering (comparison, trend, map, proportion, correlation, or distribution).

6. Pick the data that is most interesting to you in the [data folder](#) and that you believe will allow you to tell a good story. Load the data into Tableau and explore it. Create several

worksheets with visualizations to explore your data and keep track of the questions that you come up with.

7. If you have time, create a dashboard or Tableau Story Line to tell a story with your data.