Project 1: Bart Analysis

Data set: 2016, 2017, and station info

Here is Bart, does he like taking Bart or not? That’s the Question

Cleaning Data:

Topics to ask:

1. The effect of super bowl event on Bart.
   1. What is the increase in ridership during the superbowl weekend?
   2. How much is the increase in revenue during the superbowl weekend?
2. Ridership by station Analysis
   1. Where people are boarding the Bart the most?
   2. Where people are exiting the Bart the most?
   3. Bonus: (google map api, find out what’s around this station)
      1. If station is near a restaurant?
3. Ridership trend by year over year, by week (Two lines)
   1. During Christmas week, if there’s a drop of ridership?
   2. During rainy season, …
   3. During Thanksgiving, …
   4. During School starting, …
4. How often are there accidents/tweets/disruptions
   1. If there’s a disruption that has lots of retweets, is the throuput more.
5. Bonus: Use raspberry pie

Work by class:

1. Sat March 10 (class2):
   1. Agree on 6 questions and see if it fits requirements
   2. get and cleaning data, including price data
   3. draft solution
2. Tue March 13 (class 3):
   1. Initial solution should be done by each person
   2. Fix issues and review
3. Thur March 15 (class 4):
   1. Review again and fixes
4. Sat March 17 (class 5):
   1. Creating presentation
   2. Practice
   3. Dry run
5. Tue March 20 (presentation):

How to split up work: