

Goal: in this project, we are analyzing the entries at subways. Based on the entries and the current train schedule, a new train schedule will be recommended to allow trains to either come more frequently or less frequently at the hour of the day.

Process: I will look at the busiest station (one station level) at the train (line) level on one day to determine the entries of people vs number of trains arriving at the station using the available train schedules.

Preliminary visualization:

Preliminary data shows that more trains arrive between at 7 am and 3 pm while at 3 am, the least trains arrive. F

From the entries data, the station has high entries at 15:00 followed by 7:00.

Additionally, the exits data was of interest to determine how many people get off this station. Most people get off at 7 am and 3 pm

Preliminary conclusion:

About same number of trains arrive at 7 am, 3 pm, and 9 pm while at 9pm the station does not have about the same entries as 7 am and 3pm. We can potentially have less trains arriving at this station at 9pm.

34 ST-PENN station on Monday 12/06/2021

