

**THIS IS YOUR
PRESENTATION TITLE**



1

Introduction

Motivation

Metro commuters are facing the obstacle of lines being out of service suddenly due to the lack of regular maintenance.

Goal

To schedule shut downs for maintenance where a line is in minimal use.



2

Methodology

Data

- Dates:
 - 2017 JULY
 - 2021 AUG
 - 2021 SEP
- Time
- Entries
- Line
- Station

Tools

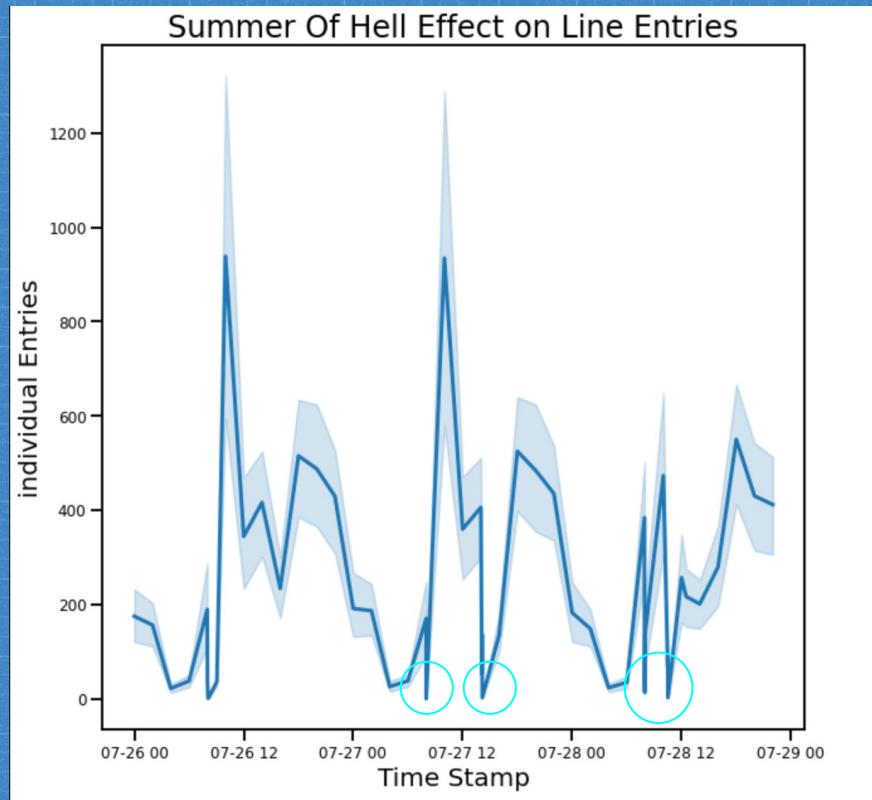
- Data manipulation:
 - Pandas
 - Datetime.
- Visualization:
 - Matplotlib
 - Seaborn
 - Plotly

A Plot IS WORTH A THOUSAND WORDS

Here we show how
entrie hit 0!

Bad for commuters

Bad for business





3

Results



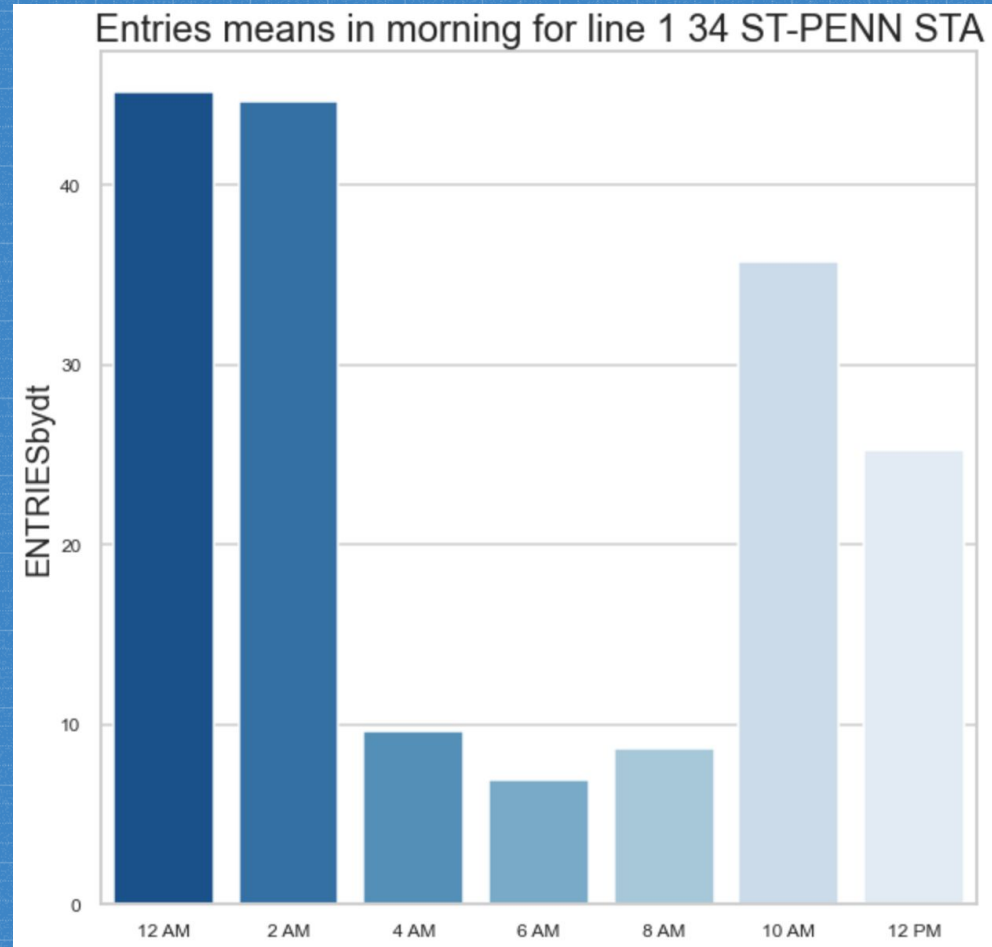
Let's start with the
first set of slides



For the same station and line in aug and sep of 2020:

- The mean of individual entries for Sundays is the lowest.

- The means of individual entries in Sundays for morning hours:





4

Conclusions



Let's start with the
first set of slides



Findings

The MTA maintenance team should start regular maintenance for track 1 in sundays from 4 AM to 8 AM.

Future Work

- Get more data on track rails and how old they are to prioritize repairing older tracks and how regular maintenance should be for a particular track.
- Develop a maintenance schedule for all tracks.

Thanks!

ANY QUESTIONS?