

PROJECT 1: WTWY STREET TEAMS DEPLOYMENT PROPOSAL

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GOAL

WTWY street teams wants obtain the most email signups for their annual OMGYN Gala in NYDC

TARGET: Adult Commuters





PYTHON TOOLS

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import numpy as np
import datetime
from functools import partial, reduce
```





DATA INFORMATION

Retrieved from MTA web online

Period: 4 Weeks

mirror_mod.use_y = False

mirror_mod.use_y = False mirror mod.use z = True

WE OBSERVE THAT ...

- 1. Turnstile count is recorded in a cumulative manner, indicating that data recorded increases constantly over time
- 2. Dataset does not include day of the week
- 3. No fixed time is recorded

... SO LET'S CREATE THEM!



METIS KAPLAN



PROJECT 1:

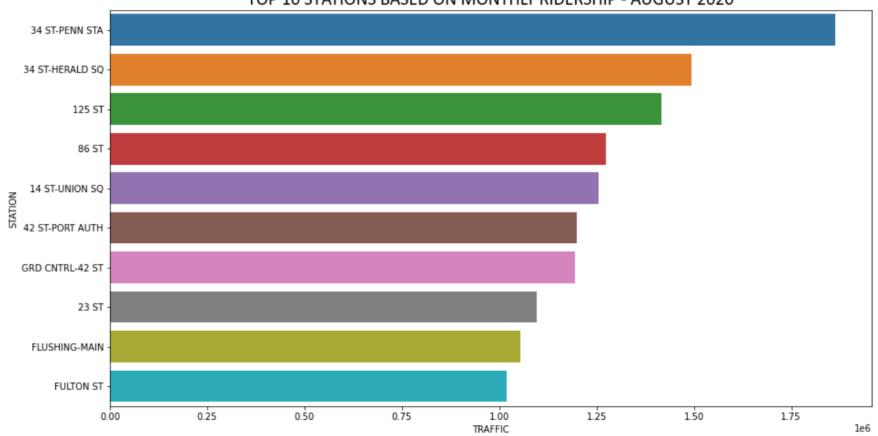
	STATION	DATETIME	DOW	TIME	ENTRIES	EXITS	entry_diff	exit_diff	TRAFFIC
0	59 ST	2020-07-24 20:00:00	Friday	00:00:00	7436571	2527896	44.0	29.0	73.0
1	59 ST	2020-07-25 00:00:00	Saturday	04:00:00	7436572	2527900	9.0	2.0	11.0
2	59 ST	2020-07-25 08:00:00	Saturday	12:00:00	7436611	2527942	90.0	15.0	105.0
3	59 ST	2020-07-25 12:00:00	Saturday	16:00:00	7436681	2527962	35.0	16.0	51.0
4	59 ST	2020-07-25 16:00:00	Saturday	20:00:00	7436825	2527978	39.0	24.0	63.0
585861	RIT-ROOSEVELT	2020-08-28 00:00:00	Friday	05:00:00	5554	540	22.0	67.0	89.0
585862	RIT-ROOSEVELT	2020-08-28 04:00:00	Friday	09:00:00	5554	540	1.0	13.0	14.0
585863	RIT-ROOSEVELT	2020-08-28 08:00:00	Friday	13:00:00	5554	540	97.0	36.0	133.0
585864	RIT-ROOSEVELT	2020-08-28 12:00:00	Friday	17:00:00	5554	540	110.0	56.0	166.0
585865	RIT-ROOSEVELT	2020-08-28 16:00:00	Friday	21:00:00	5554	540	107.0	88.0	195.0





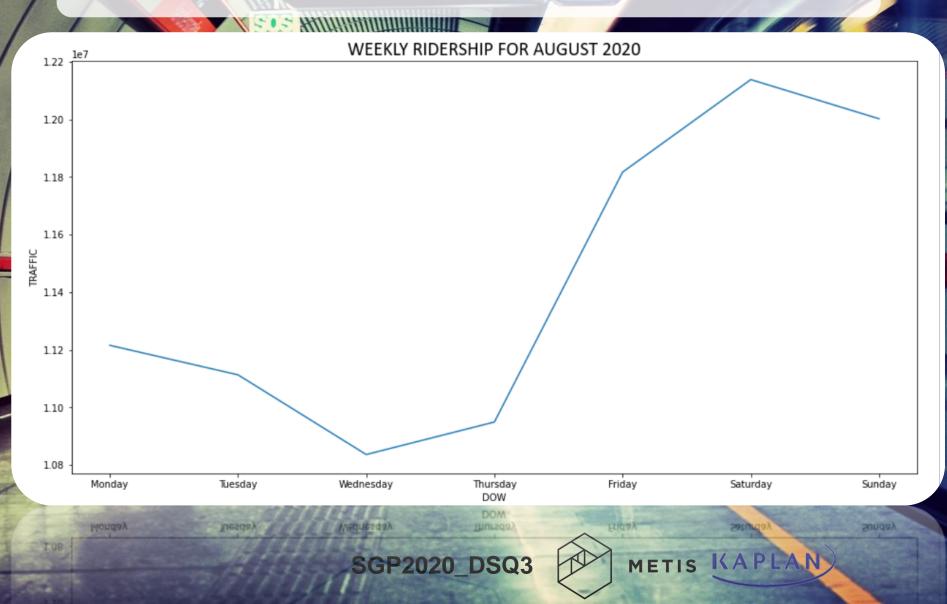
FINDINGS – TOP STATIONS





PROJECT 1:

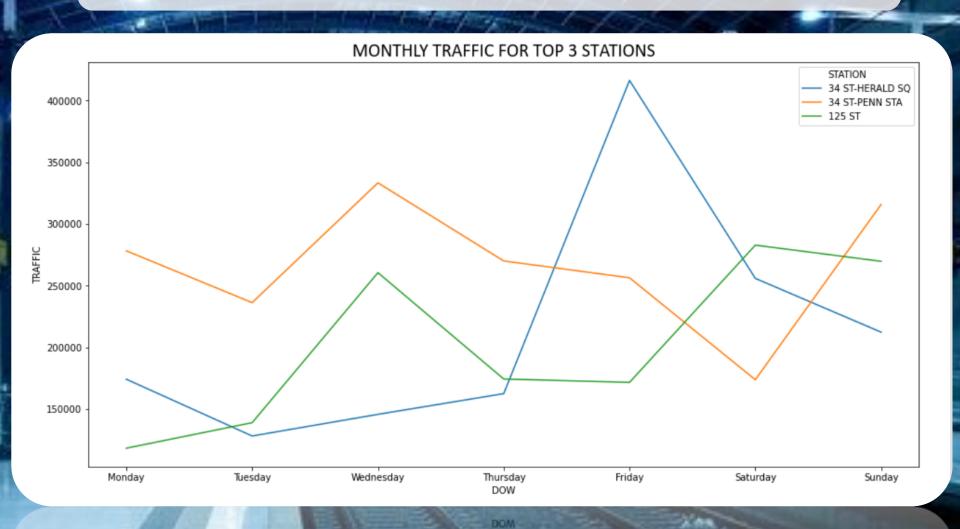
FINDINGS - WEEKLY TRAFFIC

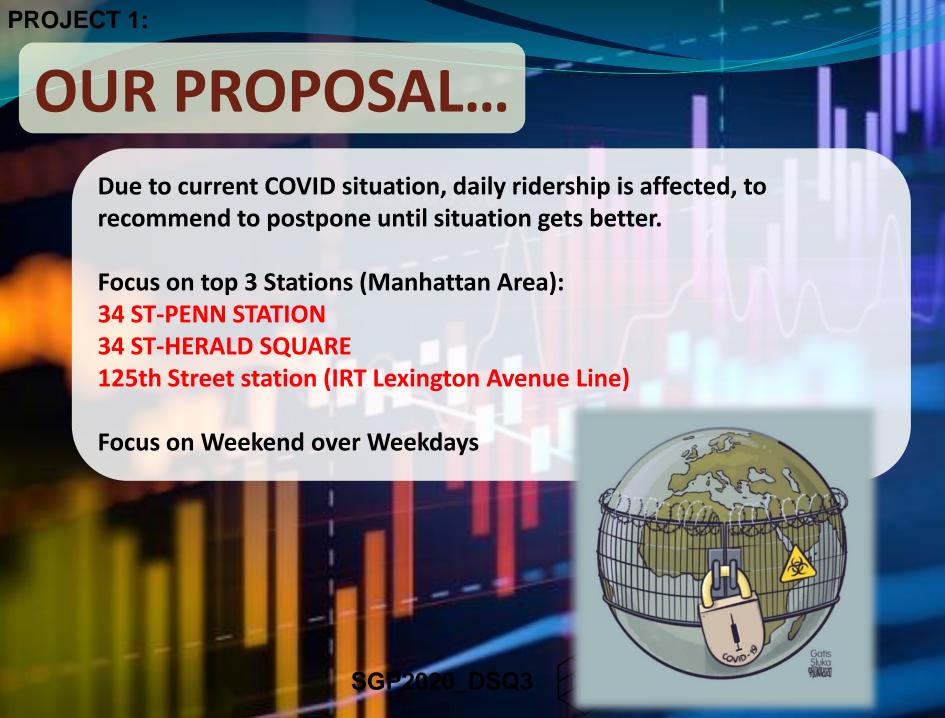


Monday

nesday

FINDINGS - WEEKLY TRAFFIC





IF WE HAVE MORE TIME...

- Analyze bigger dataset which covers a longer period of time to increase the accuracy and reliability of result derived
- 2. Incorporate demographic and geographical data to determine suitability of the commuters as the target for client
- 3. Find out the peak hours so that WTWY would know when are the best times to place their teams





