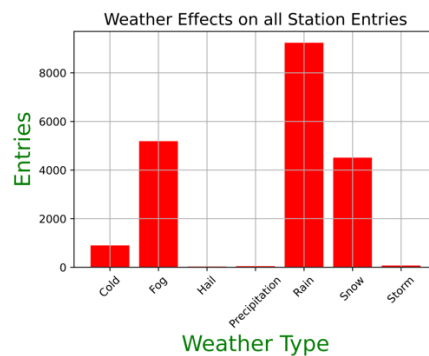# Turnstile Analysis MVP
Morooj Aldeeb

Introduction

We have downloaded weather data set from KAGGLE website and we joined the weather data for the same period taken from the turnstile data by date column. We combined two additional columns from the weather data set (Weather type and Severity) into the turnstile columns.
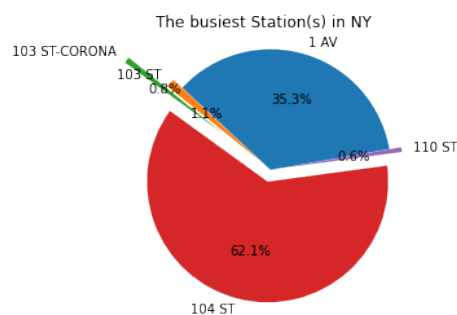
Research Question

Does the daily weather affect the train transportation?

Approach

We investigated whether the weather affects the number of people utilizing railways for daily transportation. For this, we grouped data by the "Weather Type" against the counts of ENTRIES with respect to the weather type.

The Top 5 busiest Train Stations by Average of Entries

Joined Weather Data with Turnstile by DATE

index	C/A	UNIT	SCP	STATION	LINENAME	DIVISION	DATE	TIME	DESC	ENTRIES	EXITS	type	severity
0	200671	A002	R051	02-00-00	59 ST	NQR456W	BMT	2018-01-07 00:00:00.000000	03:00:00	REGULAR	6470843	2190405	Rain	Light
1	200671	A002	R051	02-00-00	59 ST	NQR456W	BMT	2018-01-07 00:00:00.000000	03:00:00	REGULAR	6470843	2190405	Snow	Light
2	200671	A002	R051	02-00-00	59 ST	NQR456W	BMT	2018-01-07 00:00:00.000000	03:00:00	REGULAR	6470843	2190405	Rain	Light
3	200671	A002	R051	02-00-00	59 ST	NQR456W	BMT	2018-01-07 00:00:00.000000	03:00:00	REGULAR	6470843	2190405	Rain	Light
4	200671	A002	R051	02-00-00	59 ST	NQR456W	BMT	2018-01-07 00:00:00.000000	03:00:00	REGULAR	6470843	2190405	Snow	Light