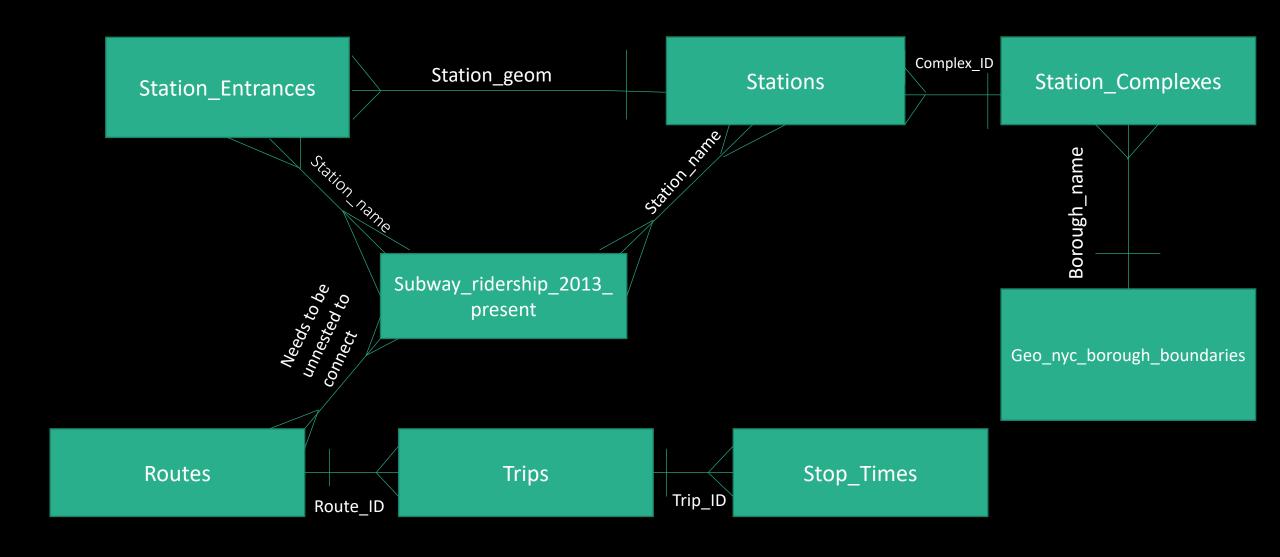
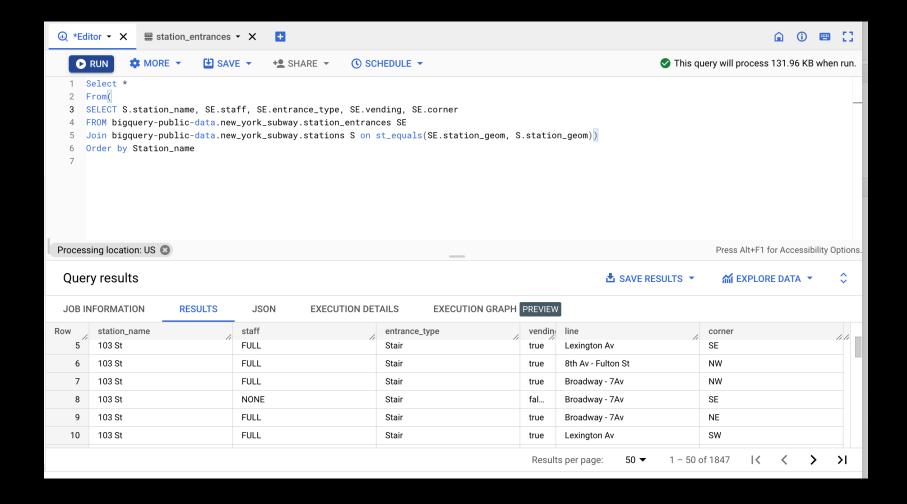


ER Diagram for New York Subway Dataset



Query

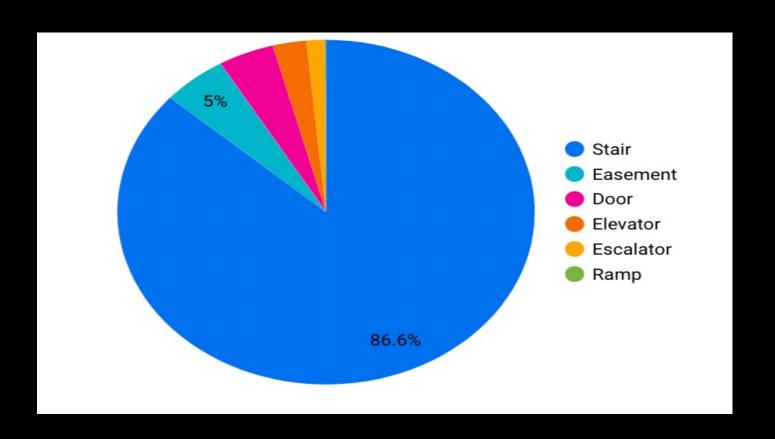


Interesting Conclusions(Cont.)

- On the southeast corner of 103 st station, there isn't vending or staff. Why is that? Maybe because the entire part of that station is digital?
- Also, it's important to notice that the station name itself isn't enough to draw conclusions from, or even the line. The corner seems to be key to seeing the real differences in figuring out what part of the station truly isn't staffed or doesn't have vending. This could be a decision maker for why someone make not take a certain route or station, maybe they don't like digital service.

Interesting Conclusions

As you can see, the most common entrance into a subway in NYC is through the stairs



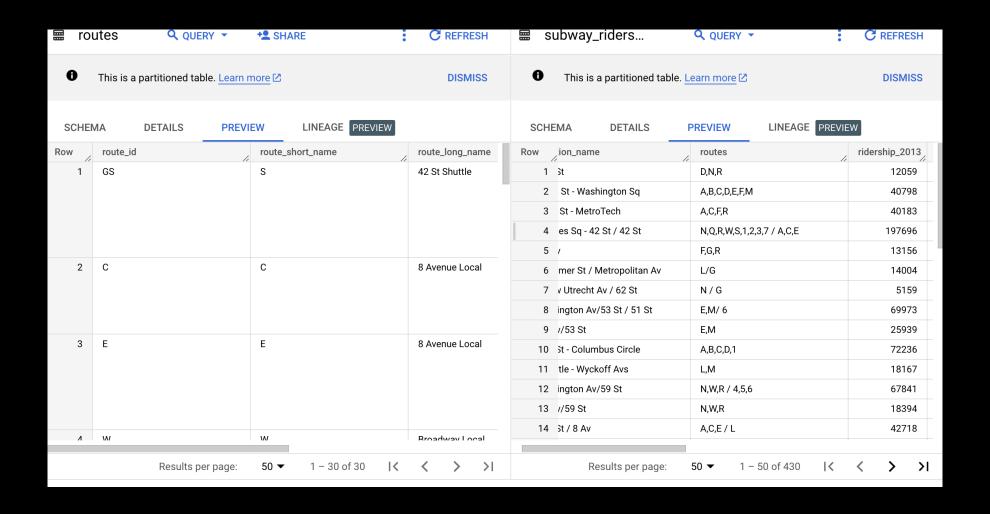
Interesting Conclusions(Cont.)

	station_name	Number_Of_Entrances	Number_Of_Enterances_With_Staff ▼	Percent
1.	34th St	41	17	41.46%
2.	59th St	25	16	64%
3.	23rd St	40	15	37.5%
4.	125th St	19	15	78.95%
5.	50th St	20	15	75%
6.	86th St	22	13	59.09%
7.	57th St	16	12	75%
8.	7th Av	14	12	85.71%
9.	14th St	26	12	46.15%
10.	103rd St	12	11	91.67%
11.	Flushing-Main St	10	10	100%
12.	Jamaica-179th St	16	10	62.5%
13.	96th St	13	9	69.23%
14.	Yankee Stadium-161st St	16	9	56.25%
15.	Lafayette Av	9	9	100%
			1 - 100 / 355	< >

Interesting Conclusions(Cont.)

- Someone could look at this dataset and say that they want to go to Flushing-Main St's station simply because they are 100% likely to have some sort of staff, whether it's part time, full-time, or a special event.
- In that same token, the data could be looked at in a way that someone could decide that they want to go to a station that is likely not staffed so that they could just use the digital services that the subways provide.

Connectivity Issues



Technical issues

- The bottom part of the data, routes, trips, and stop_times are essential to draw interesting conclusions from and there is a technical link through them. But, this is where I'm having trouble connecting the tables. Routes links to subway_ridership through routes and route_short_name but this link isn't a 1-1 link. There would have to be some sort of filter used to link them.
- The current technical problem is connecting the two tables, which would possibly lead to some interesting connections. For example, we would be able to find all the stop times for the stations.
- The solution to this would be to unnest the data