

DAR Report



Ridership on the 2 / 3 subway lines

Background

Jessica Mates, MBPO Chief of Staff requested an analysis on ridership levels of the 2 and 3 train specifically at the 135th Street Station. This will be shared with the community and help inform the office on the new housing development proposed (Harlem’s Lenox Terrace complex) for 135th Street and Lenox Ave plan.

Description

Included in the memo is the Ridership Data for 135th Street Station and nearby stations by AM, Mid-day, PM, and Saturday times. MTA Ridership Data organizes the number of riders according to per station rather than train line so it was not possible to get the exact number of 2 / 3 train riders in total but they are broken down according to specific subway stations.

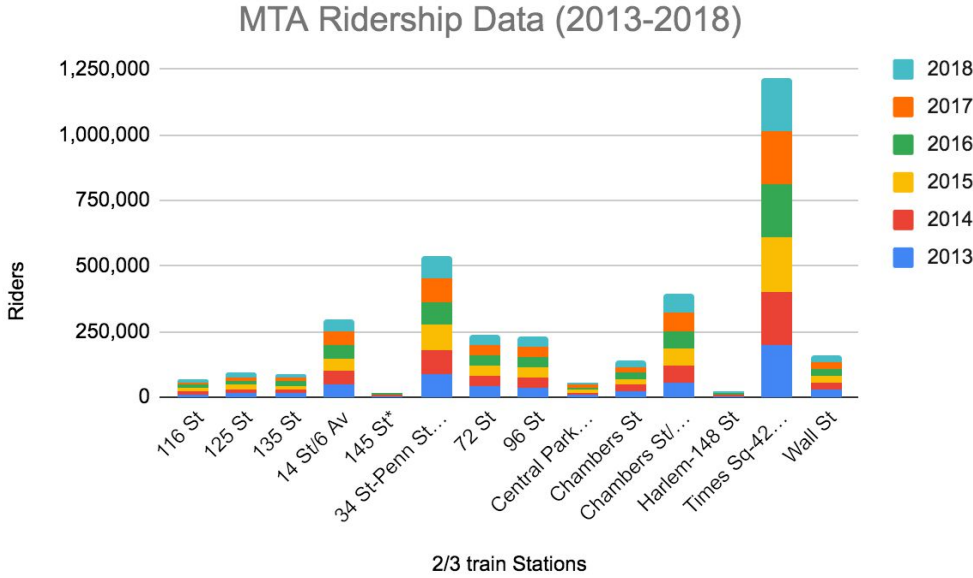
Data Sources

https://www1.nyc.gov/assets/planning/download/pdf/plans/transportation/harlem_chapt5_pub_trans_draft.pdf and MTA Ridership

Processed Data

https://docs.google.com/spreadsheets/d/18nCNp6lt9EAMaFgacy0_CqsyMPQMOxMQD9b68F9g14Q/edit?pli=1#gid=763705456

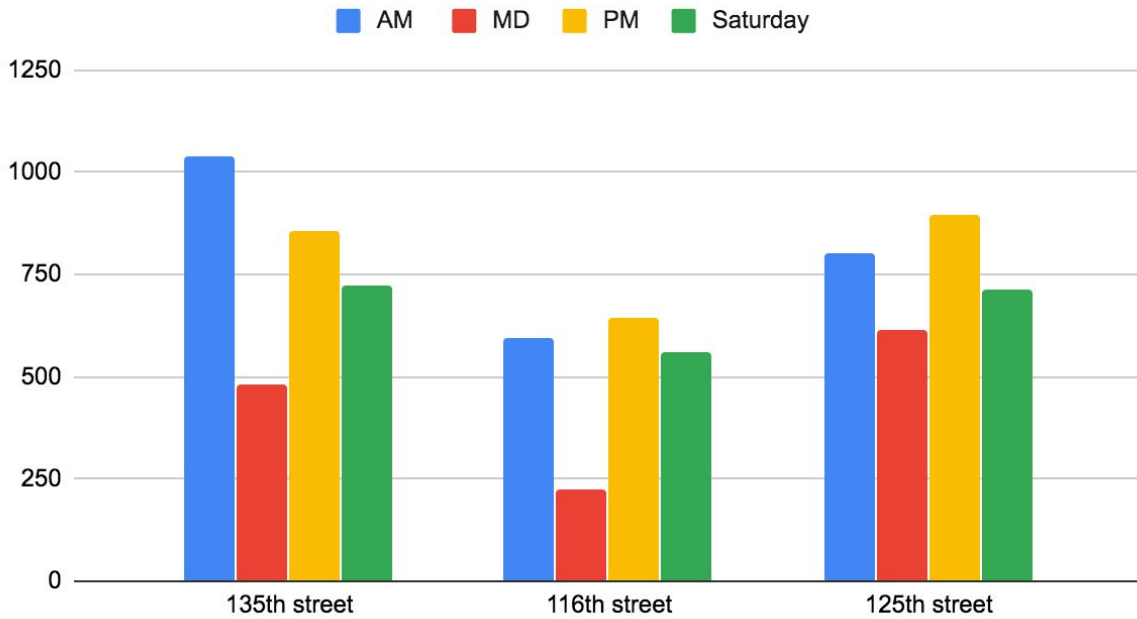
Analysis and Visualization



The stacked bar graph above was accumulated using MTA Ridership Data. We can see that compared to other stops of 2 / 3 subway lines, 135th subway station has relatively few riders per year.

Station (alphabetical by borough)	2013	2014	2015	2016	2017	2018
116 St	11,508	11,787	12,196	12,090	11,553	10,707
125 St	15,351	15,744	15,986	15,719	15,692	14,746
135 St	14,690	15,335	15,598	15,446	15,023	14,343
14 St/6 Av	49,316	49,990	50,335	50,692	48,565	48,508
145 St*	3,426	3,631	3,664	3,590	3,540	2,105
34 St-Penn Station	90,042	92,693	92,176	90,524	85,585	85,180
72 St	40,853	40,639	40,506	40,450	38,957	39,477
96 St	38,711	39,254	39,434	38,859	37,043	36,026
Central Park North-110 St	9,130	9,559	9,865	9,855	9,233	8,815
Chambers St	23,147	23,862	23,997	23,574	22,419	21,303
Chambers St/WTC/Pa rk Place	58,923	61,076	66,165	67,906	70,356	72,396
Harlem-148 St	3,790	3,952	4,096	4,017	3,899	4,074
Times Sq-42 St/42 St	197,696	204,908	206,247	202,363	203,545	204,017
Wall St	26,706	28,075	27,242	27,291	26,022	23,968

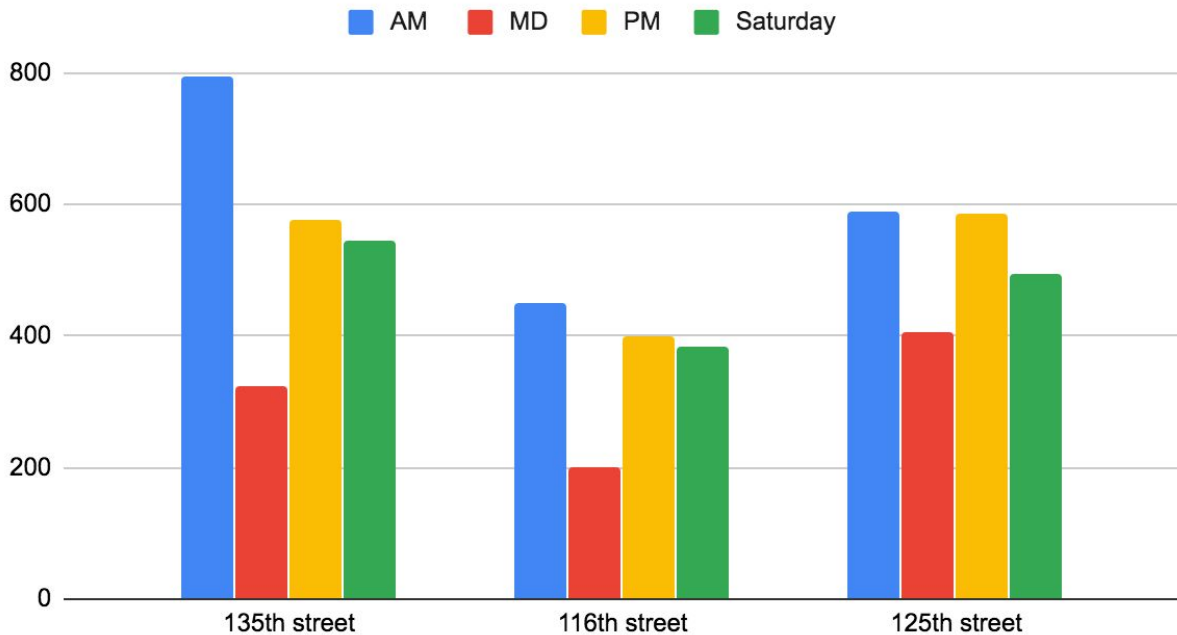
Volume of Up/Down inside subway station of Riders



This bar graph indicated the number of people/riders inside the subway station moving between different floors and levels within the subway station. According to this graph, we see that 135th Street station has the highest number of people moving in between the levels inside the subway station in the morning.

Up/Down in the subway station				
	AM	MD	PM	Saturday
135th Street Station	1040	480	855	725
116th Street Station	595	225	645	560
125th Street Station	800	615	895	715

Volume of In/Out in subway station of Riders



This bar graph indicated the number of people/riders entering/exiting the subway station. According to this graph, we see that 135th Street station has the highest number of people in the morning.

In/Out in the subway station				
	AM	MD	PM	Saturday
135th Street Station	795	325	575	545
116th Street Station	450	200	400	385
125th Street Station	590	405	585	495