

Update to the MTA Board Open Data

July 19, 2023



Data & Analytics

What is Open Data?

Open Data is

- › Freely available
- › Machine readable
- › Standardized
- › Reusable

Giving MTA customers, reporters, and researchers access to granular data makes us a more efficient and effective organization

MTA proactively shares high quality, machine-readable data with the public through data.ny.gov, as well as our own data portal, metrics.mta.info.

We plan for different types of Open Data users



Software
Developer



MTA Internal
Employee



Transportation
Journalist



Non-Profit
Organization
Staff



Government
Employee



Tech
Educator



Student



Curious
Customer



Sean J. Taylor @seanjtaylor



The MTA just released some really awesome data about hourly ridership on both trains and buses. It's not often you get to be one of the first to download and analyze a new data set!

data.ny.gov/Transportation...

data.ny.gov/Transportation...



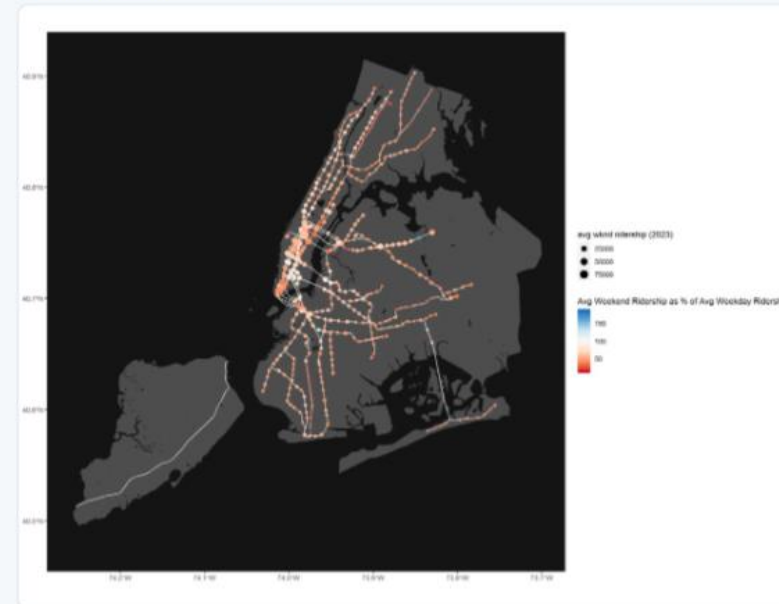
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Uday Schultz @A320Lga · May 19, 2023

#4: weekends! They've led the post-COVID ridership recovery, and the coming year will bring exciting investments in more weekend service. Here's where weekend ridership is highest/lowest relative to weekdays. The impacts of service changes/low frequencies are readily visible.



2 3 30 4,957



Nick @NickSattale · May 19, 2023

Wow wish all agencies were this nice with their data

3 388

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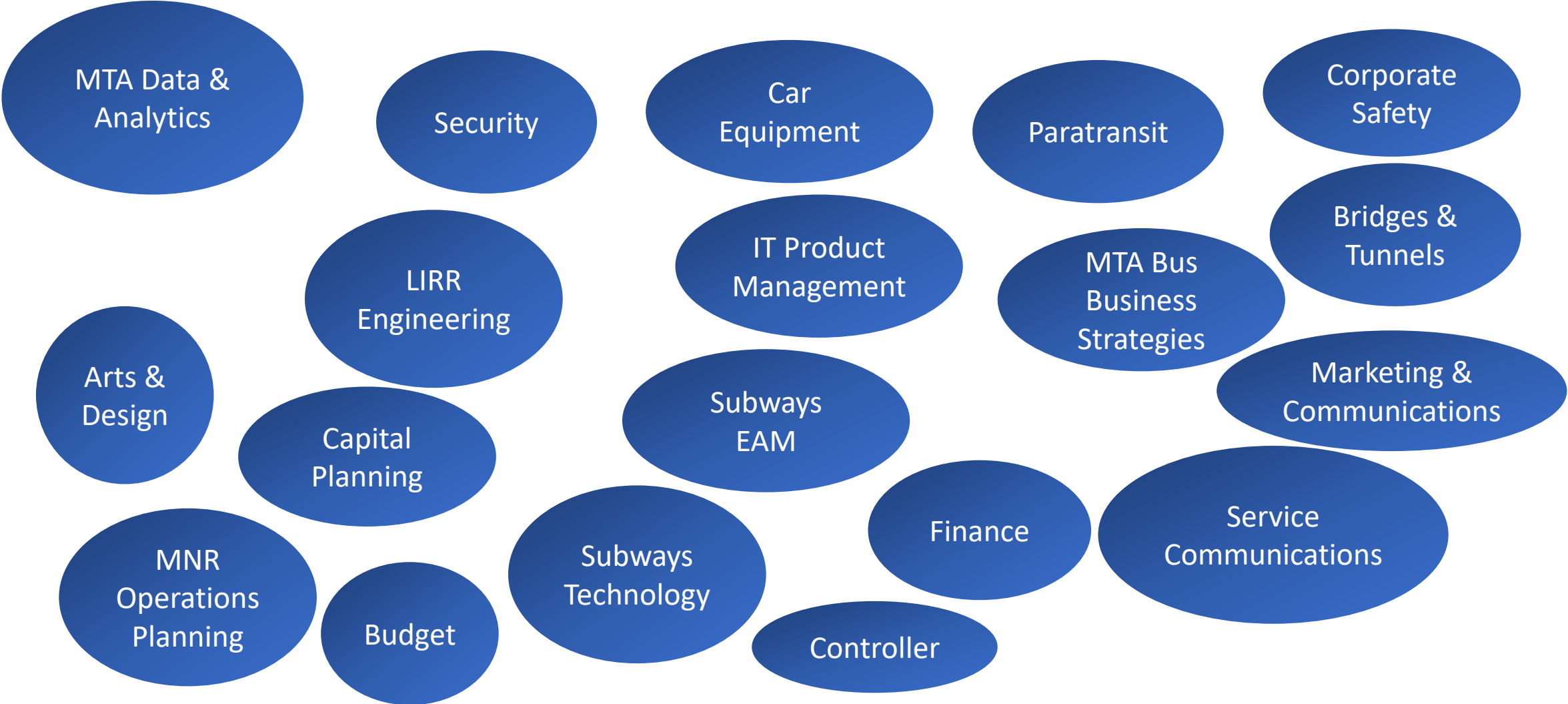
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- MTA LIRR Elevator and Escalator Availability: Beginning 2019
- MTA LIRR Systemwide Delays: Beginning 2015
- MTA LIRR Fare Collection Failure Rates: Beginning 2015
- MTA LIRR Chargebacks: Beginning 2015
- MTA Customer Engagement Statistics: 2017-2022
- MTA Monthly Ridership / Traffic Data: Beginning January 2008
- MTA Subway and Bus Lost Time Accidents: Beginning 2021
- MTA Open Data Catalog and Publication Schedule
- MTA Subway Customer Journey-Focused Metrics: Beginning 2020
- MTA Subway Major Incidents: Beginning 2020
- MTA Subway Service Delivered: Beginning 2020
- MTA Subway Terminal On-Time Performance: Beginning 2020
- MTA Subway Wait Assessment: Beginning 2020
- MTA Bus Customer Journey-Focused Metrics: 2017-2019
- MTA Subway Elevator and Escalator Availability: Beginning 2015
- MTA Subway and Bus Reduced-Fare MetroCard Usage: Beginning 2018
- MTA Subway and Bus Mask Compliance Statistics: 2020 - 2022
- MTA Customer Feedback Performance Metrics: Beginning 2017
- MTA Subway Accessible Station Platform Availability: Beginning 2018
- MTA Daily Ridership Data: Beginning 2020
- MTA Bus Wheelchair Ramp/Lift Usage: Beginning 2018
- MTA Bus Passenger Environment Survey: 2015 to 2019

MTA Permanent Art Catalog

Maintaining and expanding our Open Data involves dozens of departments across the agency



Our progress

We have focused on consolidating and clarifying the MTA's 'public data' to make it 'Open Data'

- › Since 2021 69 new datasets posted on data.ny.gov
- › Sep 2022 Launched metrics.mta.info
- › Sep 2022 Redesigned the NYCT and LIRR / MNR committee books
- › Jan 2023 Retired out-of-date and manually updated data visualization dashboards
- › April 2023 Automated some dataset uploads

data.ny.gov: NYS's Open Data Portal

The screenshot shows the data.ny.gov website. At the top left is the New York State logo. The navigation menu includes 'Services', 'News', and 'Government'. A dark blue header contains 'DATA.NY.GOV', navigation links for 'OPEN NY', 'CATALOG', 'DEVELOPERS', 'HELP', and 'ABOUT', social media icons, a search bar, a language dropdown set to 'English', and a 'Sign In' button. The main banner features the text 'Open Data Celebrates Its 10th Anniversary on March 11, 2023' and a sub-headline: 'Since 2013, Open Data NY has expanded from 244 to nearly 1,600 catalog items from 60 state entities.' To the right of the banner is the 'NEW YORK STATE OF OPPORTUNITY. Open NY' logo and '2013-2023 Celebrating 10 Years'. Below the banner are four category tiles: 'COVID-19 Data' (red), 'Education' (blue with book icon), 'Energy & Environment' (blue with leaf icon), and 'Government & Finance' (blue with building icon).

data.ny.gov: NYS's Open Data Portal

The screenshot shows the data.ny.gov website interface. At the top, there is a dark blue navigation bar with the logo 'DATA.NY.GOV' on the left and links for 'OPEN NY', 'CATALOG', 'DEVELOPERS', 'HELP', and 'ABOUT'. Social media icons for Facebook, Twitter, YouTube, LinkedIn, and Instagram are also present, along with a search icon, a language dropdown set to 'English', and a 'Sign In' button.

Below the navigation bar is a search bar containing the text 'Metropolitan Transportation Authority'. The main content area displays search results for this query. On the left side, there is a sidebar with filter options: 'Categories', 'View Types', 'Agencies & Authorities', 'Localities', 'Tags', and 'Federated Domains', each with a downward arrow.

The search results are displayed in a list format. The first result is 'MTA Bridges & Tunnels Monthly Traffic Rates: Beginning 2019', categorized as 'Transportation'. It includes a description: 'This dataset provides information about revenue and collection rates, per month and Bridges & Tunnels facility.' and 'More'. It also shows 'Updated July 6, 2023' and 'Views 107'. The second result is 'MTA Daily Ridership Data: Beginning 2020', also in 'Transportation'. Its description is 'The daily ridership dataset provides systemwide ridership and traffic estimates for subways, buses, Long Island Rail Road, Metro-North Railroad, Access-A-Ride, and Bridges and Tunnels, beginning 3/1/20 (4/1/20 More)'. It shows 'Updated July 5, 2023' and 'Views 45,460'. The third result is 'MTA Subway Hourly Ridership: Beginning February 2022', categorized as 'Transportation'. Its description is 'This dataset provides subway ridership estimates on an hourly basis.' and it shows 'Updated July 5, 2023' and 'Views 4,473'. Each result also includes a 'Tags' section and an 'API Docs' link.

metrics.mta.info: MTA's user-friendly data hub

← → ↻ metrics.mta.info



- Ridership
- Bus
- Subway
 - Service Delivered**
 - Additional Platform Time
 - Additional Train Time
 - Customer Journey Time Performance
 - Mean Distance Between Failures
 - Safety
 - Major Incidents
 - Fare Evasion
 - Platform Accessibility
 - Staten Island Railway Metrics
 - Operational Metrics
- Paratransit
- Long Island Rail Road
- Metro-North Railroad
- Security

Subway Service Delivered

Service Delivered (sometimes referred to as throughput) measures our ability to deliver the scheduled service. Service Delivered is measured along the busiest part of the line, which reflects service across the entire line, and is reported as the percentage of scheduled trains that are provided during peak hours. Service Delivered is reported monthly at the line level. It is reported for weekday and weekend peak periods, with the weekday peak defined as 7 AM to 10 AM and 4 PM to 7 PM, and weekends between 10 AM and 6 PM.

Select a start and end date

May 21 May 23
May 15 May 23

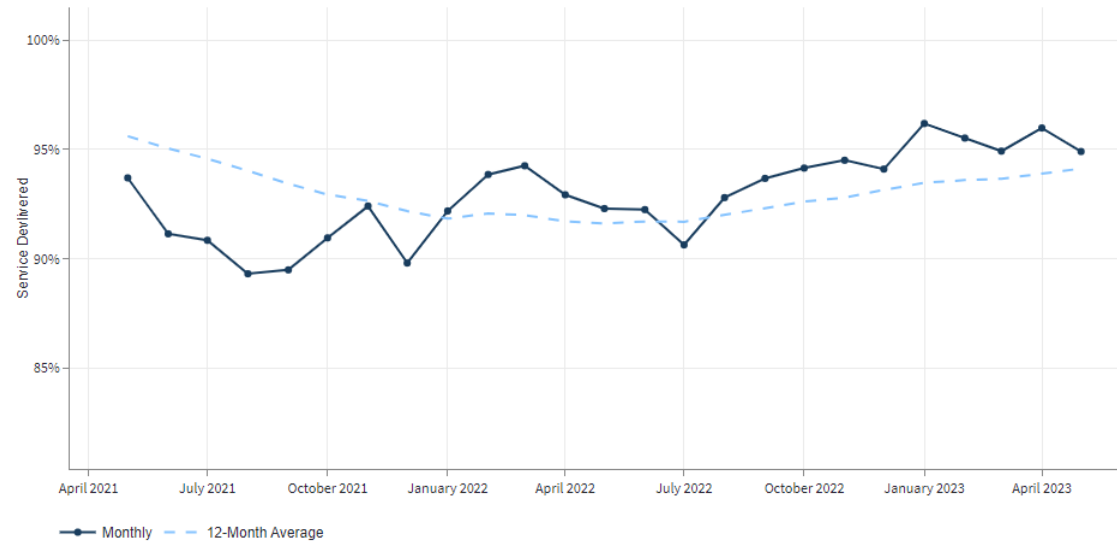
Line

Systemwide

Weekday / Weekend

Weekday

Jan 15



Subway Service Delivered on NYS Open Data portal in two chunks: [from 2015 to 2019](#), and [from 2020 onwards](#).

Contact us

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metrics.mta.info

data.ny.gov