MTA Subway Hourly Ridership Data

Overview

General Description

The Metropolitan Transportation Authority (MTA) is a public-benefit corporation responsible for public transportation in the state of New York serving 12 counties in southeastern New York, along with two counties in southwestern Connecticut under contract to the Connecticut Department of Transportation. The MTA is the largest transportation agency in North America.

Subway service within New York City is operated by MTA New York City Transit.

MTA Staten Island Railway (SIR) is the only rapid transit line on Staten Island, providing local service 24/7 between St. George, where timed connections are available with the Staten Island Ferry to Manhattan, and Tottenville, running along the east side of the island.

The Roosevelt Island Tramway, operated by the Roosevelt Island Operating Corporation, is the most modern aerial tramway in the world. It provides between 59th St and 2nd Avenue in Manhattan to Tramway Plaza on Roosevelt Island.

This dataset provides subway ridership, compiled at the hourly level, by station complex and fare payment method (OMNY or MetroCard), and consolidated fare class (MetroCard – Fair Fare, MetroCard – Full Fare, MetroCard – Other, MetroCard – Senior & Disability, MetroCard – Students, MetroCard – Unlimited 30-Day, MetroCard – Unlimited 7-Day, OMNY – Full Fare, OMNY – Other, OMNY – Seniors & Disabilities).

These ridership metrics are within 1% of ridership figures provided at public MTA board meetings. These numbers differ slightly since the data subsequently incorporates additional budget reconciliation. Data is released daily and is subject to revision. You can learn more about OMNY, the contactless fare payment system for public transportation in the New York region at omny.info.

This dataset was published during the first phase of the MTA's commitment to increasing transparency. We continually examine all our published and publishable data with a view to both providing datasets that can be effectively utilized by our customers and the public at large, and to providing regular, automated updates to these datasets efficiently and sustainably. Consequently, this dataset may be restructured and/or combined with other similar datasets in the future.

Data Collection Methodology

This dataset captures rider entries made at subway turnstiles by using OMNY and MetroCard taps/swipes. MetroCard data is aggregated from on-premises MTA data servers, while OMNY data is provided by a third-party vendor named Cubic.

Before being released this data undergoes substantial data cleaning; transactions are deduplicated, and MetroCard swipes and OMNY taps collected by partner agencies (PATH, Westchester Bee-Line Bus, NICE Bus, Roosevelt Island Corporation) are removed from the dataset.

A very small number of MetroCard and OMNY transactions arrive late due to temporary hardware malfunctions. This late-arriving data is incorporated as it is made available, and thus historical data in this dataset is subject to slight adjustments.

The fare class categories consolidate the dozens of individual fare types into easier to understand categories. Over time, some fare types are discontinued, and other types are added. This table provides some examples of the most frequently used fare types that fall within each category.

Fare Class Category	Specific code
OMNY – Full Fare	Full Fare
OMNY – Seniors & Disability	Senior
	Disability
OMNY – Other	Test-Free
	Single Ride Ticket
MetroCard – Full Fare	Full Fare
	Pre-Valued
	Pre-Valued Zero
	JFK Pre-Valued Jamaica
	Pre-Valued Express
	JFK Pre-Valued Howard Beach
MetroCard – Unlimited 30-Day	30-Day Unlimited
	30-Day Reduced Fare Media Unlimited
	30-Day Agency
	30-Day ADA Farecard Access System Unlimited
MetroCard – Unlimited 7-Day	7-Day Unlimited
	7-Day Reduced Fare Media Unlimited
	7-Day Express Bus Pass
	7-Day Agency
	7-Day ADA Farecard Access System Unlimited
Metrcoard – Fair Fare	Fair Fare Value

	Fair Fare 30-Day
	Fair Fare 7-Day
MetroCard – Students	Student Free 3
	Student Free 3/VOS
	Student Free 4
	Student Free 4/VOS
	Special Student Pass
MetroCard – Other	Employee Restricted
	TransitCheck MetroCard Annual Card
	CB Annual MetroCard
	Two-Trip Agency
	CUNY ASAP 120-day
	Mail and Ride EasyPayExpress
	Employee Unrestricted
	Mail and Ride EasyPay Unlimited
	TransitCheck MetroCard
	AirTrain Full Fare
	RRC FareCard
	One-Trip Agency
	Employee Res Express
	Employee Res EX MTA
	Temporary Pass
MetroCard – Seniors & Disability	Senior Citizen
	Mail and Ride Senior Citizen
	Disabled
	Access-a-Ride Personal Care Attendant (Paratransit MetroCard)
	Reduced Fare Temporary
	Access-a-Ride No Personal Care Attendant (Paratransit MetroCard)
	Disabled ADA Farecard Access System Pay-Per-Ride
	Mail and Ride Autogate
	Mail and Ride Disabled

Statistical and Analytic Issues

Data is released to the Open Data portal daily and is subject to revision for late-arriving data.

Limitations of Data Use

There are no limitations on the data at this time.