

MTA Bus Service Delivered: 2015-2019

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, carrying over 5 million passenger journeys on an average weekday system-wide, and over 800,000 vehicles on its seven toll bridges and two tunnels per weekday.

Bus service within New York City is operated by MTA agencies New York City Transit and MTA Bus Company.

Service Delivered (sometimes referred to as throughput) measures our ability to deliver the scheduled service.

NOTE: MTA is publishing this dataset within the first phase of our commitment to increasing transparency. Under later phases of our Open Data Program, we will be carefully examining all our published and publishable data with view both to 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

Service Delivered is calculated as the percentage of scheduled bus trips that are actually provided during weekday and weekend peak hours. Service Delivered is measured at the peak load point, which is the stop on the route where the bus is most crowded, using GPS tracking data from Bus Time, as well as bus depot operations records.

Statistical and Analytic Issues

The data is broken down at the monthly level, and there are a few other factors to consider when working with the data:

- The service delivered data set combines some routes together as they have few daily trips, leading to sample sizes that are too small to be displayed individually.
- Some routes do not have service delivered data available because they have atypical characteristics that make processing performance data inconsistent.
- Each route is assigned to a single borough based on the letters used for the route number.
- Service delivered is only calculated during the peak hours 7 a.m. to 9 a.m. and 4 p.m. to 7 p.m.).

- Since the metric is measured at the peak load point, buses that are short turned may still count towards the service delivered metric.

Limitations of Data Use

There are no limitations on the data at this time.