

WMATA Ridership Data Portal

January 28, 2020 – MWCOG Regional Public Transit Subcommittee

Andrew Gerritsen, WMATA Office of Planning

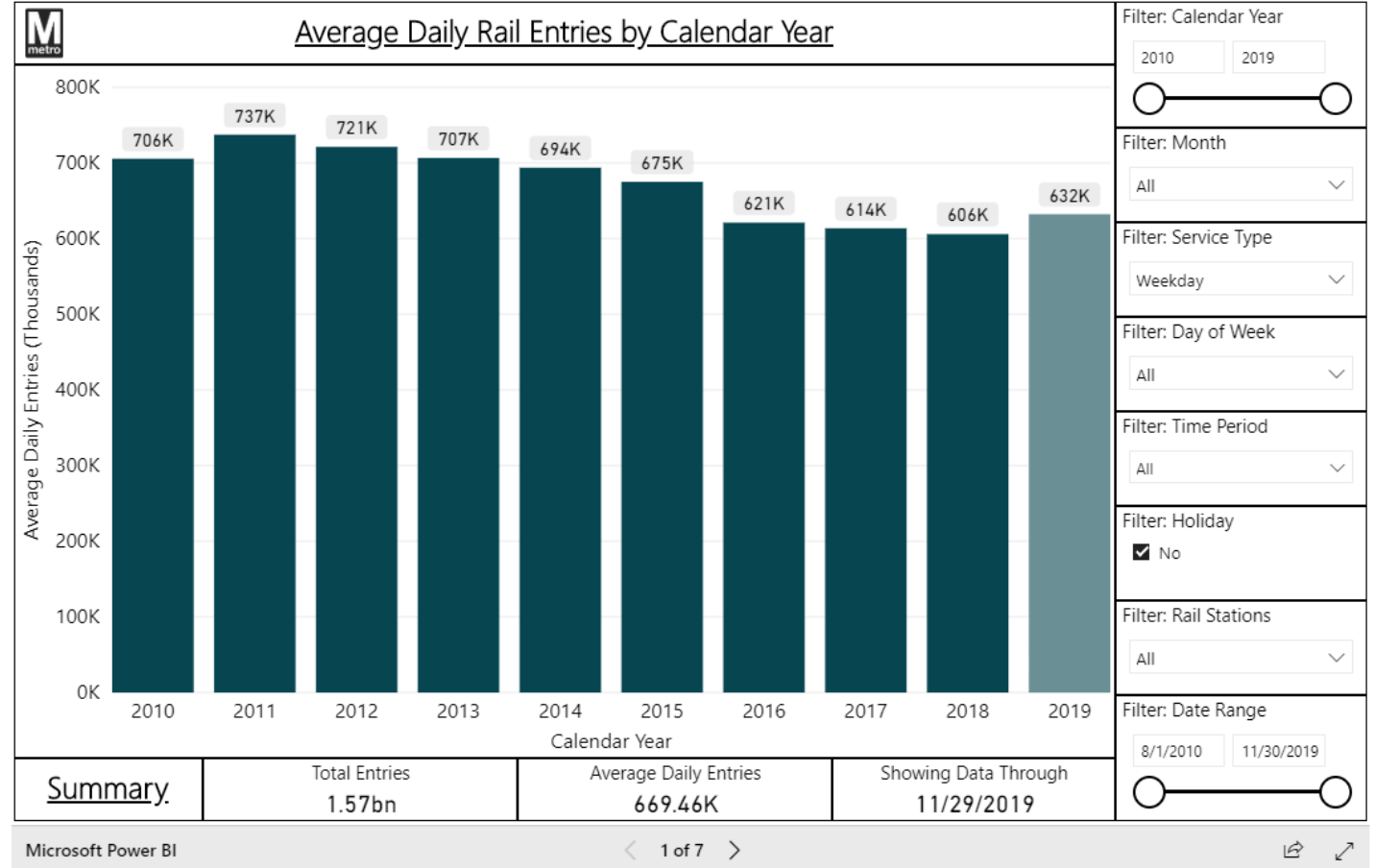
Washington Metropolitan Area Transit Authority

Table of Contents

- What is the Ridership Data Portal?
- What data is in the portal?
- How do you use the portal?
- What are the current limitations of the Portal?

What is the Ridership Data Portal?

- A page on WMATA's website where the public can view and explore WMATA's ridership data from 2010 to present.
- Ridership data is split between Rail, Bus and Parking transactions.
- Data is published monthly on roughly a 30-day lag, along with an accompanying Ridership Snapshot explaining the major factors affecting ridership for that month.

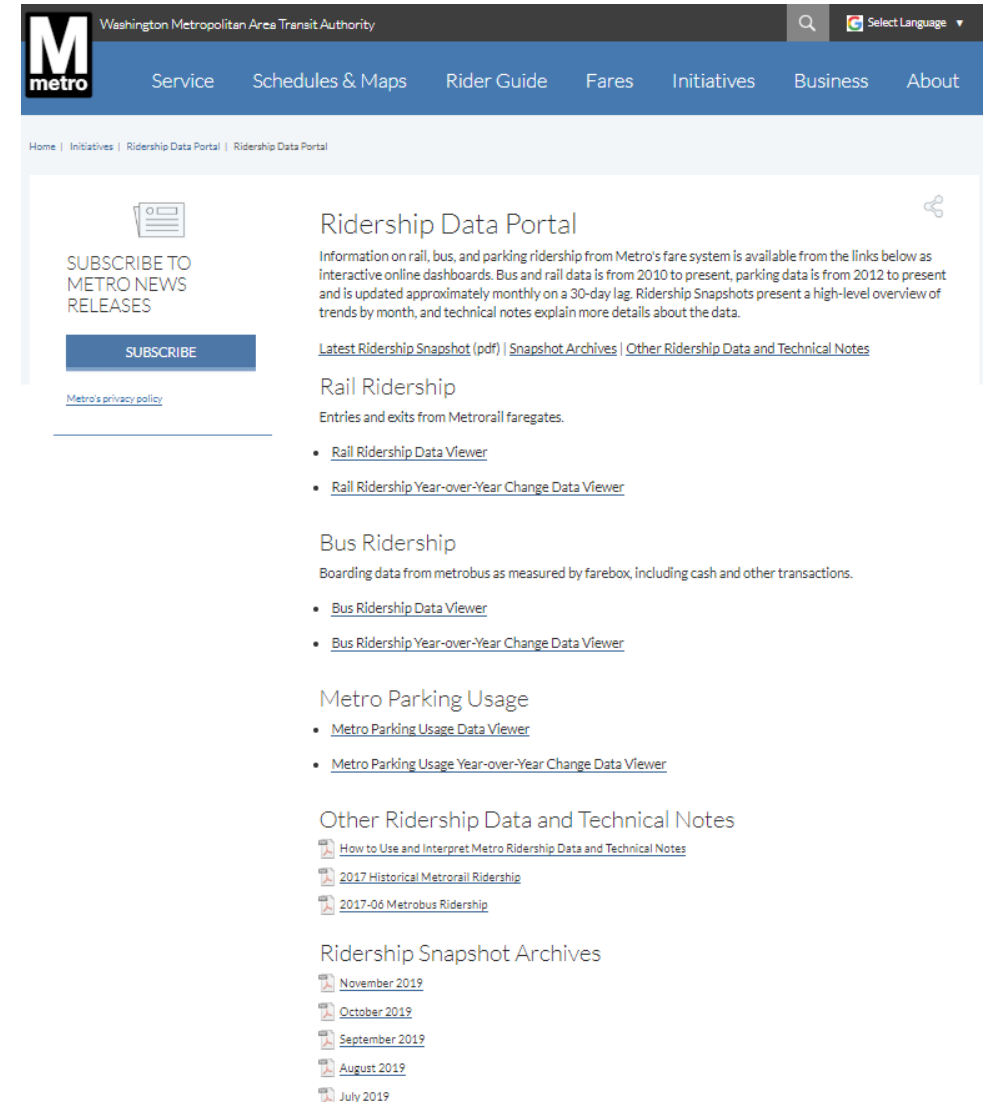


What data is in the portal?

- **Data is from the enterprise datamart based on the NextFare5 system.**
 - Bus beginning in January 2010
 - Rail beginning in August 2010
 - Parking beginning in January 2012
- **Data is aggregated as transactions by station/route, by hour of day**
- **Most data is presented as the average weekday ridership**
 - This provides the most accurate view of ridership trends and smooths out changes in the distribution of weekdays versus weekends in a month
- **The second data view for each dataset is of year-over-year change in ridership for the last month**

How do you use the Ridership Data Portal?

- Go to <https://www.wmata.com/initiatives/ridership-portal/>
- There are links to six BI workbooks under the Rail Ridership, Bus Ridership, and Metro Parking Usage headings
- Read the latest ridership snapshot to get a sense of what was going on last month
- Take a look at the “How to Use and Interpret...” document for more information about what is in this portal and why



Washington Metropolitan Area Transit Authority

Service Schedules & Maps Rider Guide Fares Initiatives Business About

Home | Initiatives | Ridership Data Portal | Ridership Data Portal

Ridership Data Portal

Information on rail, bus, and parking ridership from Metro's fare system is available from the links below as interactive online dashboards. Bus and rail data is from 2010 to present, parking data is from 2012 to present and is updated approximately monthly on a 30-day lag. Ridership Snapshots present a high-level overview of trends by month, and technical notes explain more details about the data.

[Latest Ridership Snapshot \(pdf\)](#) | [Snapshot Archives](#) | [Other Ridership Data and Technical Notes](#)

Rail Ridership
Entries and exits from Metrorail faregates.

- [Rail Ridership Data Viewer](#)
- [Rail Ridership Year-over-Year Change Data Viewer](#)

Bus Ridership
Boarding data from metrobus as measured by farebox, including cash and other transactions.

- [Bus Ridership Data Viewer](#)
- [Bus Ridership Year-over-Year Change Data Viewer](#)

Metro Parking Usage

- [Metro Parking Usage Data Viewer](#)
- [Metro Parking Usage Year-over-Year Change Data Viewer](#)

Other Ridership Data and Technical Notes

- [How to Use and Interpret Metro Ridership Data and Technical Notes](#)
- [2017 Historical Metrorail Ridership](#)
- [2017-06 Metrobus Ridership](#)

Ridership Snapshot Archives

- [November 2019](#)
- [October 2019](#)
- [September 2019](#)
- [August 2019](#)
- [July 2019](#)



What are the current limitations of the data portal?

- **Cannot currently download data to analyze outside of the Portal on WMATA's website**
 - Either downloading data created from a specific view or the entire underlying data set
- **Currently does not include Automatic Passenger Counter (APC) data, only transaction data**
- **Unable to link to a filtered view that users created**
- **Unable to see origins linked to destinations**
- **The year-over-year change viewer only shows the most recent month, and does not let users select a month or time range to compare**
- **Not all pages allow filtering by jurisdiction**
- **Cannot filters by rail or bus corridor**

Questions and Contact Info

Andrew Gerritsen
Business Intelligence Analyst
Office of Planning
APGerritsen@WMATA.com