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Massachusetts Bay Transportation Authority

Rapid Transit and Bus Prediction Accuracy Data

MBTA OPMI
Massachusetts geoDOT

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Rapid Transit and Bus Prediction Accuracy Data MBTA OPMI

Summary

This file contains the prediction accuracy for subway and bus. Prediction accuracy is determined by the number of accurate predictions vs the number of total predictions for each "bin" or timeframe. Data is not guaranteed to be complete for any line or date.

Name	Description	Data Type	Example
weekly	Date representing the week's worth of data. For bus, it's the last day of the week and for subway it's the first day of the week. The date is based on "service day", so "May 1" means May 1, 3:00am ET until May 2, 2:59am ET.	Date	8/6/2020
	Either "bus" for bus predictions, or "subway" for Red,	String	bus

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route_id	bus data provider does not have this data at a per-route level.	String	Green-B
arrival_departure	For bus, whether the data is about the timing of an arrival at a bus stop, or the departure from that bus stop. Bus only supports "departure". Absent on subway data because subway uses a "blended" approach of departure predictions at terminals, and arrival predictions otherwise.	String	departure
bin	The bin a prediction belongs to based on how far in the future the predicted event is for. The options are "0-3 min", "3-6 min", "6-12 min", and "12-30 min".	String	0-3 min
	The count of predictions sampled that meet	Integer	50000

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num_accurate_predictions	were considered accurate, where "accurate" means the predicted number of seconds was within a threshold of the actual number of seconds, based on the bin. For a given bin, the passing threshold is if a vehicle arrives: 0-3 min: 60 seconds early to 60 seconds late, 3-6 min: 90 seconds early to 120 seconds late, 6-12 min: 150 seconds early to 210 seconds late, 12:30 min: 240 seconds early to 360 seconds late.	Integer	30000

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weekly

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abc bin

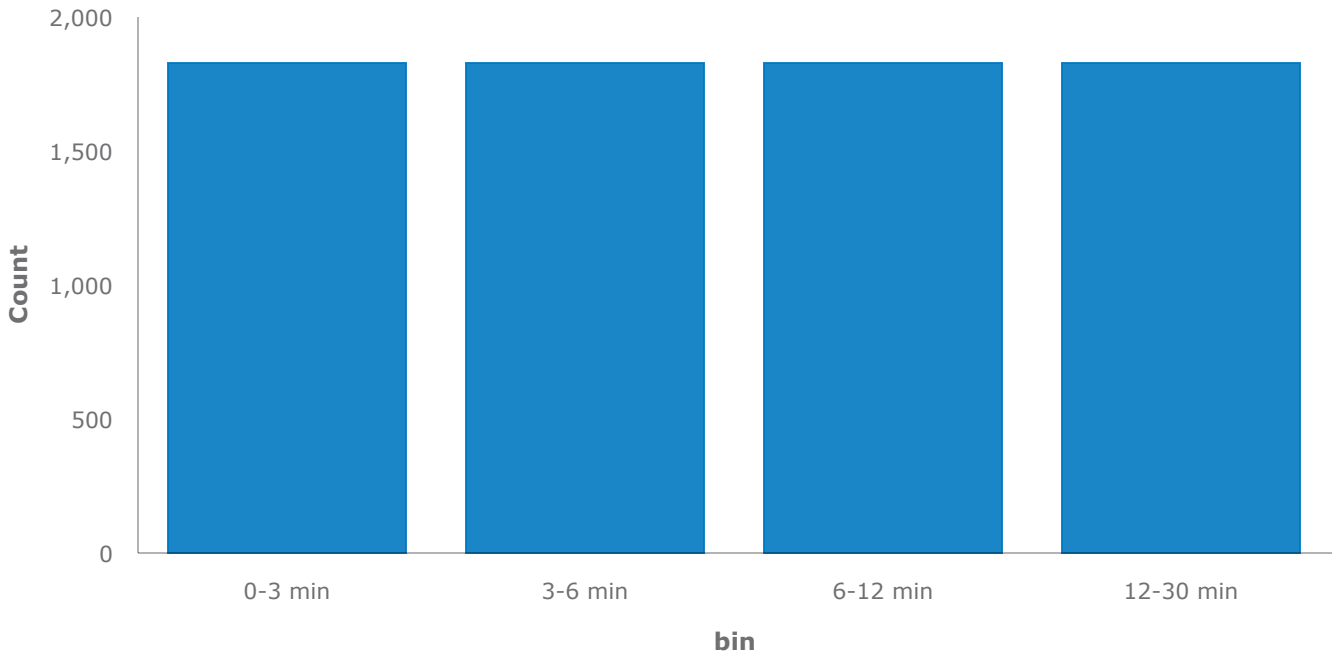
Name

bin

Type

Character string

Chart Table



abc arrival_departure

123 num_predictions

123 num_accurate_predictions

Details

Dataset

Table

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February 1, 2022
Published Date

Records: 2,000
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Type: Feature Service

Date Updated: May 16, 2024

Data File

MBTA Rapid Transit Travel Times 2022

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This file contains the travel times between origin and destination pairs on a single line…

Type: CSV Collection

April 5, 2024: Info Updated

Tags

MBTA Bus Rapid Transit Performance