The Civic Platform Transportation API

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The Civic Platform Transportation API $\ \ \Box$ TriMet datasets

TriMet datasets

passenger-census

- Ridership data
- Covers March 2001 through February 2018
- Lists totals of ons and offs for each stop by service key
 - Totals over six months
 - ▶ W = weekday
 - ightharpoonup S = Saturday
 - ▶ U = Sunday

trimet-stop-events

- Raw data samples of all vehicle data every five seconds!
- Large about 10 gigabytes per month!
- TriMet gave us five months of data:
 - ► September 2017
 - October 2017
 - November 2017
 - April 2018
 - May 2018

Other datasets in the Transportation Systems API

- PUDL: locations of traffic sensors for the Portland Urban Data Lake (PUDL)
- biketown: public data dump from Biketown
- multnomah-county-permits: permit data from Multnomah county outside city limits
- odot-crash-data: crashes in Portland from 2004 2014
- ▶ safety-hotline: calls / texts / emails to the safety hotline
- origin-destination: Census Bureau LODES data for Portland -Vancouver metro area

Browsing the API

"Swagger UI"

- ▶ Browse to http://service.civicpdx.org/transportation-systems/
- Scroll down

Swagger UI home page

PUDL	> 284
biketown	>
multnomah-county-permits	>
odot-crash-data	>
origin-destination	>
passenger-census	>
safety-hotline	>
sandbox	>
trimet-stop-events	>

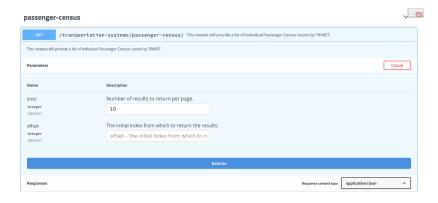
Expand passenger-census



Expand the first GET



Try it out (enter 10 for limit)



Execute and scroll down

Passenger Census Data

TriMet Stop Events Data

The Civic Platform Transportation API $\ \ \ \$ TriMet Stop Events Data

TBD

The Civic Platform Transportation API Crigin-Destination Data

Origin-Destination Data

TBD