

Toronto Transportation

Students in Data Science and Statistics

Overview

This dataset, sourced from Open Data Toronto, contains records of transit delays tracked by the Toronto Transit Commission throughout 2024. It includes three files (`bus.csv`, `streetcar.csv`, and `subway.csv`) documenting delays across all public transportation modes operated by the TTC. Use of this dataset requires acknowledgment of the Open Data Toronto Licence. The goal of the transportation topic is to develop a solution from the dataset to forecast the occurrence, location, and duration of delays within the TTC network.

Data Dictionary

Bus and Streetcar

Field Name	Description	Example
Date	The date (YYYY/MM/DD) when the delay-causing incident occurred	20/06/2017
Route	The number of the bus/streetcar route	51
Time	The time (hh:mm:ss AM/PM) when the delay-causing incident occurred	12:35:00 AM
Day	The name of the day	Monday
Location	The location of the delay-causing incident	Rosedale Station
Incident	The description of the delay-causing incident	Mechanical
Min Delay	The delay, in minutes, to the schedule for the following bus	10
Min Gap	The total scheduled time, in minutes, from the bus ahead of the following bus	20
Direction	The direction of the bus route where B,b or BW indicates both ways. (On an east west route, it includes both east and west) NB - northbound, SB - southbound, EB - eastbound, WB - westbound	N
Vehicle	Vehicle number	1057

Subway

Field Name	Description	Example
Date	Date (YYYY/MM/DD)	31/12/2016
Time	Time (24h clock)	1:59
Day	Name of the day of the week	Saturday
Station	TTC subway station name	Rosedale Station
Code	TTC delay code	MUIS
Min Delay	Delay (in minutes) to subway service	5
Min Gap	Time length (in minutes) between trains	9
Bound	Direction of train dependent on the line	N
Line	TTC subway line (e.g., YU, BD, SHP, SRT)	YU
Vehicle	TTC train number	5961

Subway Delay Codes

Sub Menu Code	Code Description
EUAC	Air Conditioning
EUAL	Alternating Current
EUATC	ATC RC&S Equipment
EUBK	Brakes
EUBO	Body
EUCA	Compressed Air
EUCD	Consequential Delay (2nd Delay Same Fault)
EUCH	Chopper Control
...	...

See `subway-delay-codes.csv` or for further information.