Singapore



Singapore Mass Rapid Transit

5 Lines

Opened: 1987 Singapore Mass Rapid Transit System 176 Stations Woodlands Q 124 Miles Punggol 🛱 Marsiling Admiralty NE17 PTC Yew Tee 🐯 🕦 Yishun 🗐 Cheng Lim Cove [Fill 3.1 M Riders/Day Jelapang Segar Bukit MS13 Khatib Meridian (133) Teck Whye Panjang 🖫 . © Sengkang NEBS STG ☐ Choa Chu Kang (1931 - 1922 - 1931 - 1933 Coral Edge (III) 🜃 Yio Chu Kang 🖾 Buangkok 🖼 Tuas Link Pending Bangkit Cashew [III ☐ Hougang (NEW) Ranggung 🐷 **IIII** Tuas West Road 😘 Ang Mo Kio 🖵 Hillview (III Kangkar 🖾 Bukit Gombak WW Tuas Crescent 💷 Pasir Ris 🖵 Beauty World @# Bishan 😡 Serangoon 🔾 Marymount Bedok Tampines Lorong King Albert Park (D) III Gul Circle Braddell 1888 Chuan Caldecott Tai Seng (CIT Bedok 😭 Bukit Batok 🌃 Sixth Avenue ma Bukit Reservoir 🚃 Joo Koon 🗟 Toa Payoh 🔾 MacPherson (COO DIZE) Tan Kah Kee Stevens ☐ Tampines @ — NEID Potong Pasir Botanic Mattar Simei 📖 Boon Keng Jurong East 🖾 Lakeside Geylang Bahru CC20 Farrer Road Tampines East Boon Lay T Paya Lebar Clementi 🖾 Farrer Park Kembangan Tanah Merah uiii Upper Changi Holland Village Orchard 2022 Little India (NECOTI2 Dover Eunos 🖾 Bedok 🖾 Maried Aljunied Jalan Besar Somerset 2002 CCS Dakota Buona Vista (W21) 0022 (WWW Kallang Changi Airport 本 Dhoby Ghaut (CO) Commonwealth Mountbatten one-north Queenstown (Clarke Quay CC6 Stadium EXIZORIO Bugis Kent Ridge (CC24 Redhill CCS Nicoll Highway (NE DT19 Chinatown Tiong Bahru @ cca Esplanade Haw Par Villa COS DIE CC4 Promenade Outram Park (WIGNES) City Hall Telok Ayer Pasir Panjang CC26 **WILLIAM** Raffles Place East West Line Tanjong Pagar (WI) Station Code Labrador Park CC North South Line NS1 North East Line Telok Blangah 0028 Line Colour Circle Line Station Number Downtown Line Line Code Marina Bay 🚨 Bukit Panjang LRT 6 9 Interchange 🚥 Marina South Pier 🕏 Sengkang LRT Transit Area NST EW24

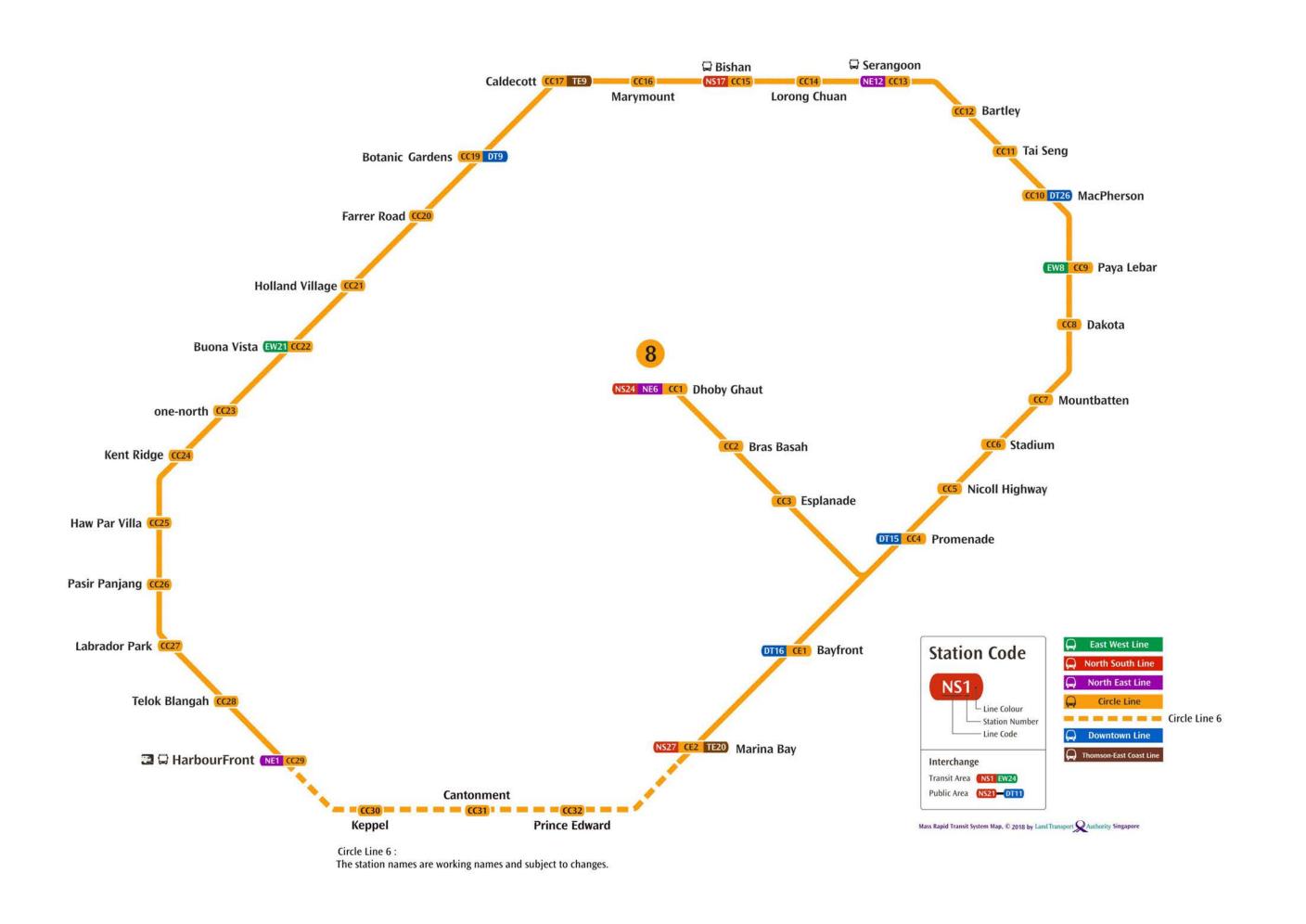
Legend Airport 🔲 Bus Interchange 🎡 Cruise Centre 📜 Sentosa Express

Punggol LRT

Public Area SEI - DIII

Singapore Mass Rapid Transit System Circle Line

Opened: 2009 30 Stations 22.1 Miles



Aug - Oct 2016: Train Breakdowns

THE STRAITS TIMES



SI SINGAPORE POLITICS

Signal fault slows down Circle Line for the 5th day running



© PUBLISHED SEP 2, 2016, 7:19 AM SGT | UPDATED SEP 2, 2016, 6:05 PM



Annabeth Leow Samantha Boh

SINGAPORE - Morning rush hour on the Circle Line was marked by delays for the fifth straight day on Friday (Sept 2), as rail operator SMRT's unresolved signalling fault continues to plague train service.

SMRT tweeted at 6.13am that commuters should expect longer journeys on the line due to the "intermittent signalling issue" that was first reported on Monday.

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8 DAYS

Mysterious signal fault returns to cause disruption on Circle Line



The crowds at Bishan station on the Circle Line. Photo: shark_kul/Twitter

Published 01 NOVEMBER, 2016 UPDATED 02 NOVEMBER, 2016

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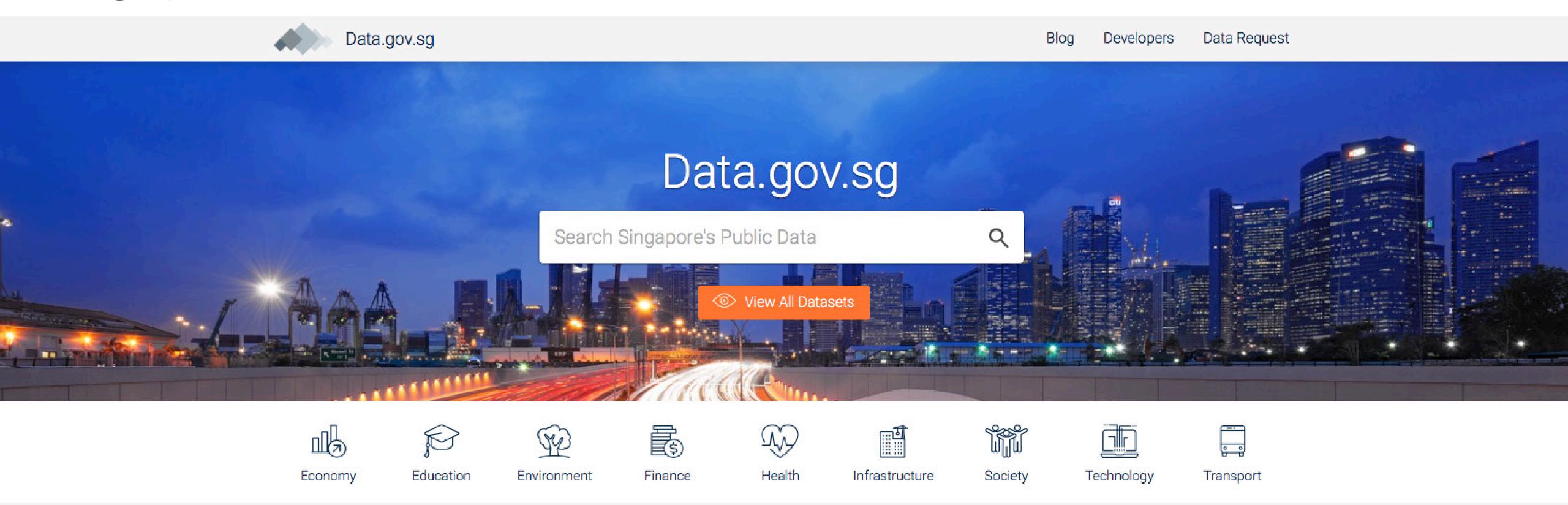




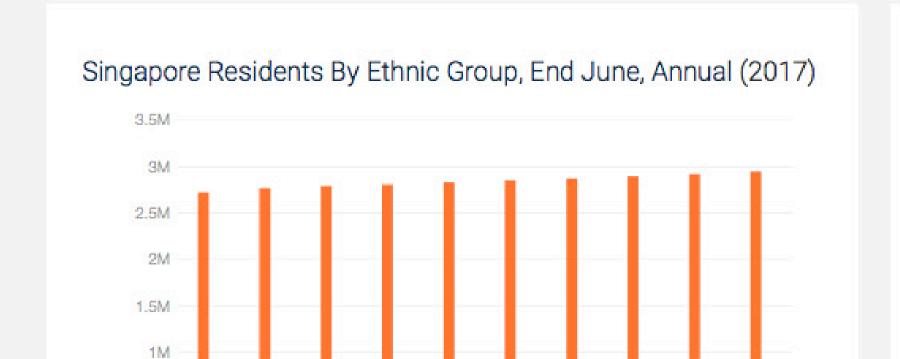
SINGAPORE — A mysterious signal fault on the Circle Line has returned to frustrate commuters, with travel times delayed by at least half an hour during the morning rush hour on Wednesday (Nov 2).

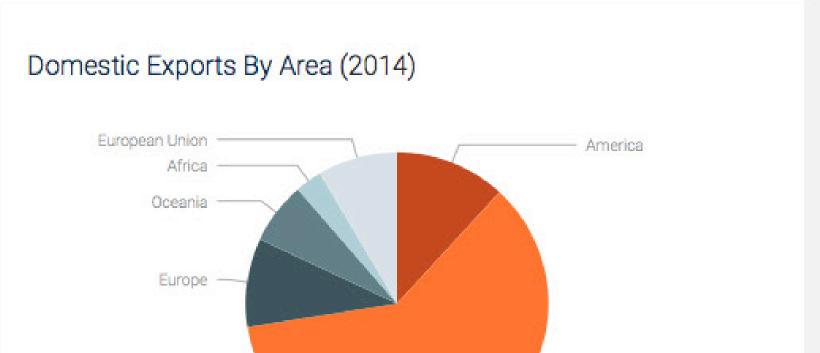
The CCL last saw a signal fault on Aug 29, when commuters were hit five days in a row with delays that SMRT attributed to the signaling fault.

Singapore Data Team



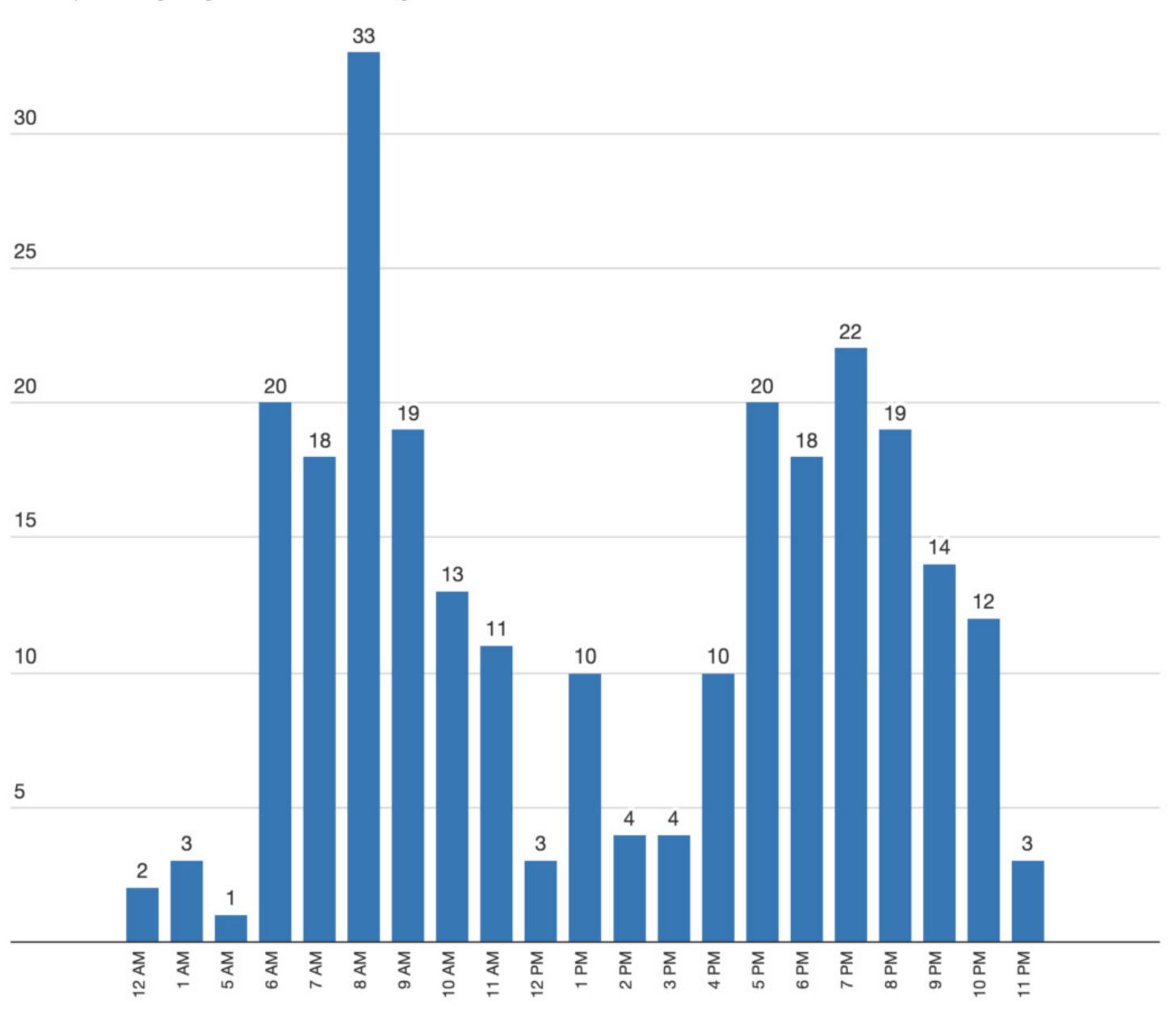
Singapore at a glance



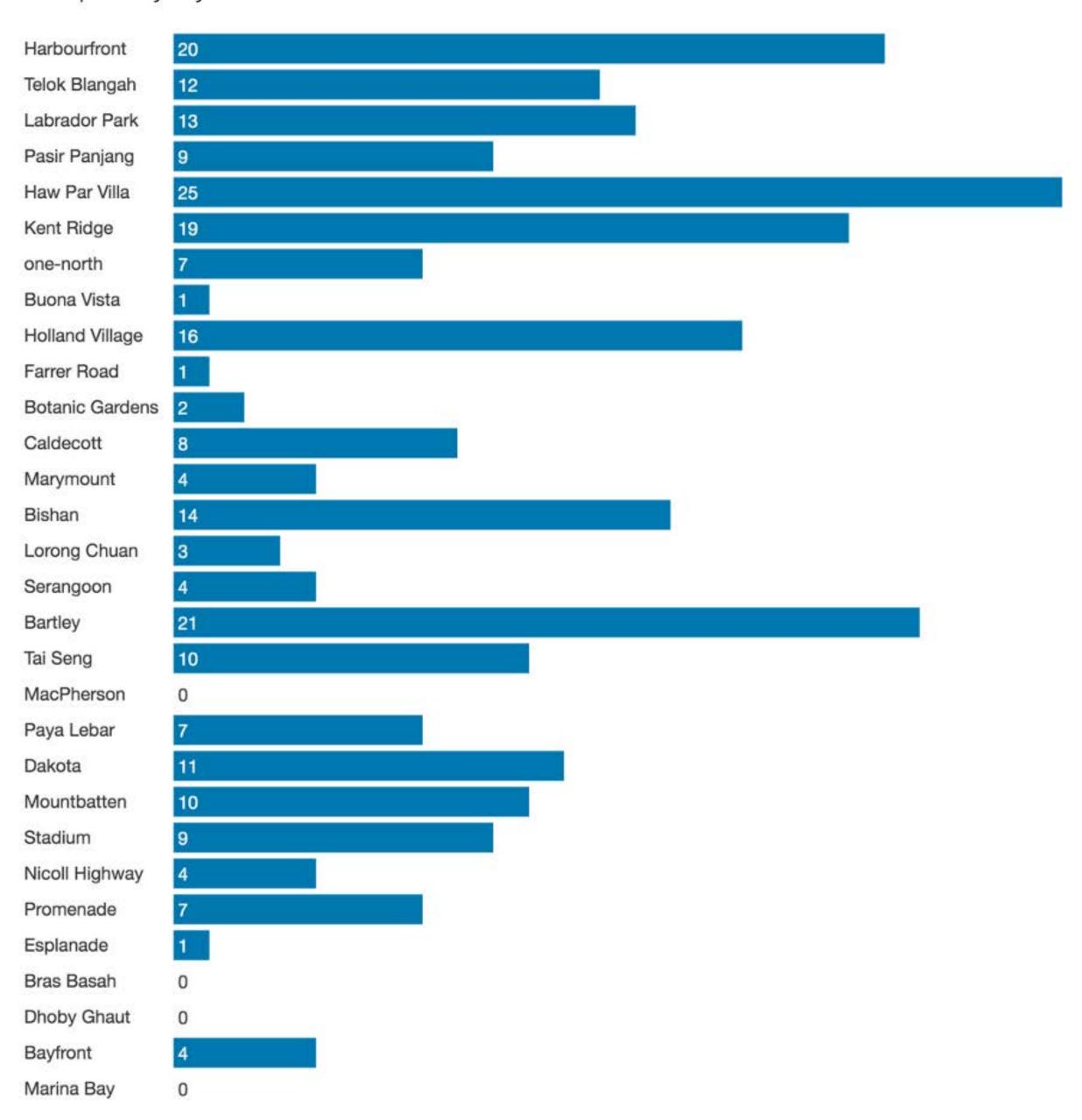


	S/N	S/N.1	Date	Traffic Date	PV	Time	Bound	Station from	Station to	Event	Remarks	DateTime
0	1	1	2016- 08-28	2016- 08-28	PV40	19:32:00	ОТ	KRG	ONH	EB	point track	2016-08-28 19:32:00
1	2	2	2016- 08-28	2016- 08-28	PV53	19:39:00	ОТ	LBD	PPJ	EB	point track	2016-08-28 19:39:00
257	57	42	2016- 11-04	2016- 11-04	PV13	22:29:00	IT	SDM	мвт	EB	NaN	2016-11-04 22:29:00
258	58	43	2016- 11-05	2016- 11-05	PV43	00:07:00	IT	TLB	HBF	EVAC	Withdrawal train, no pax on-board	2016-11-05 00:07:00



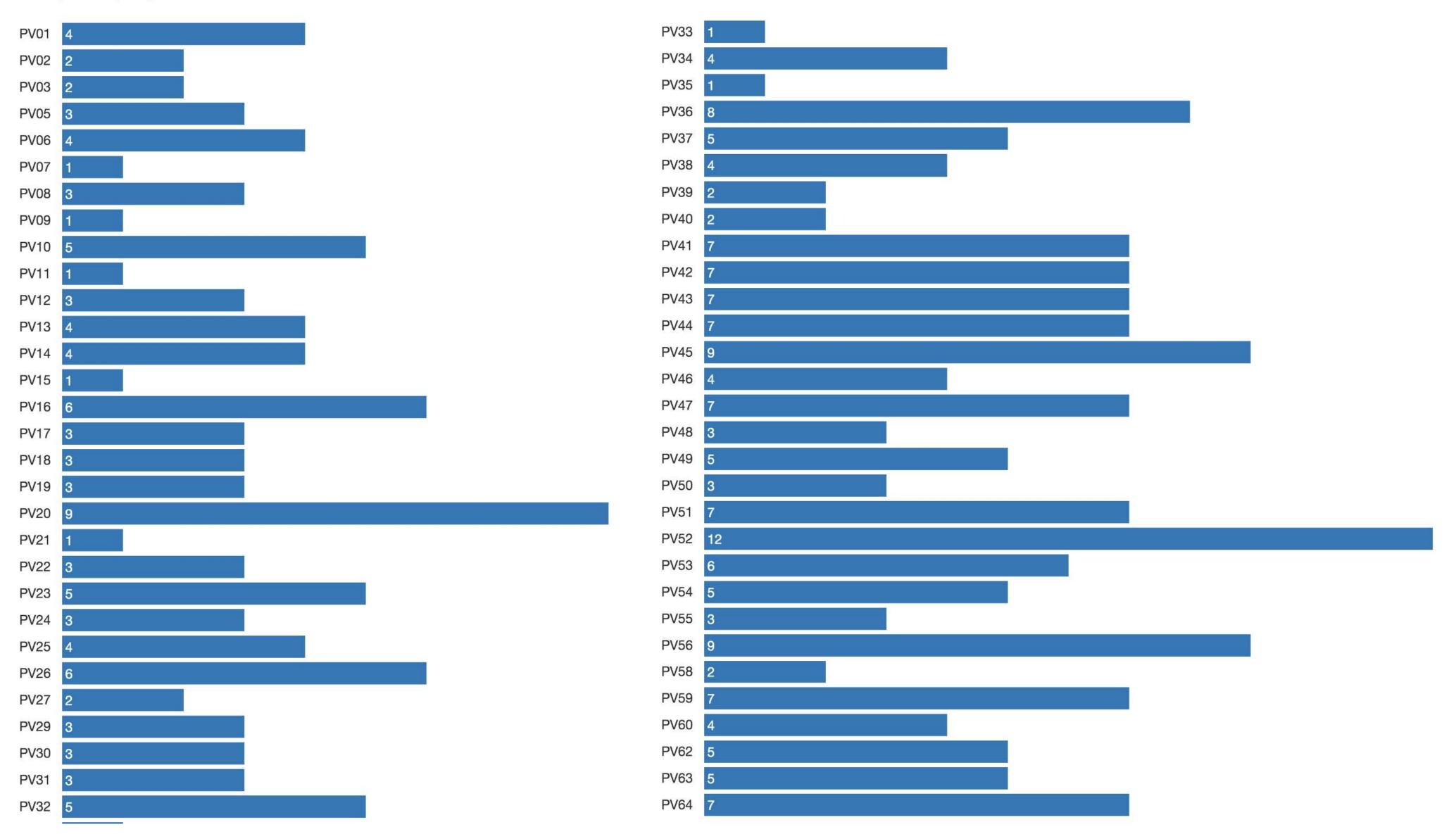


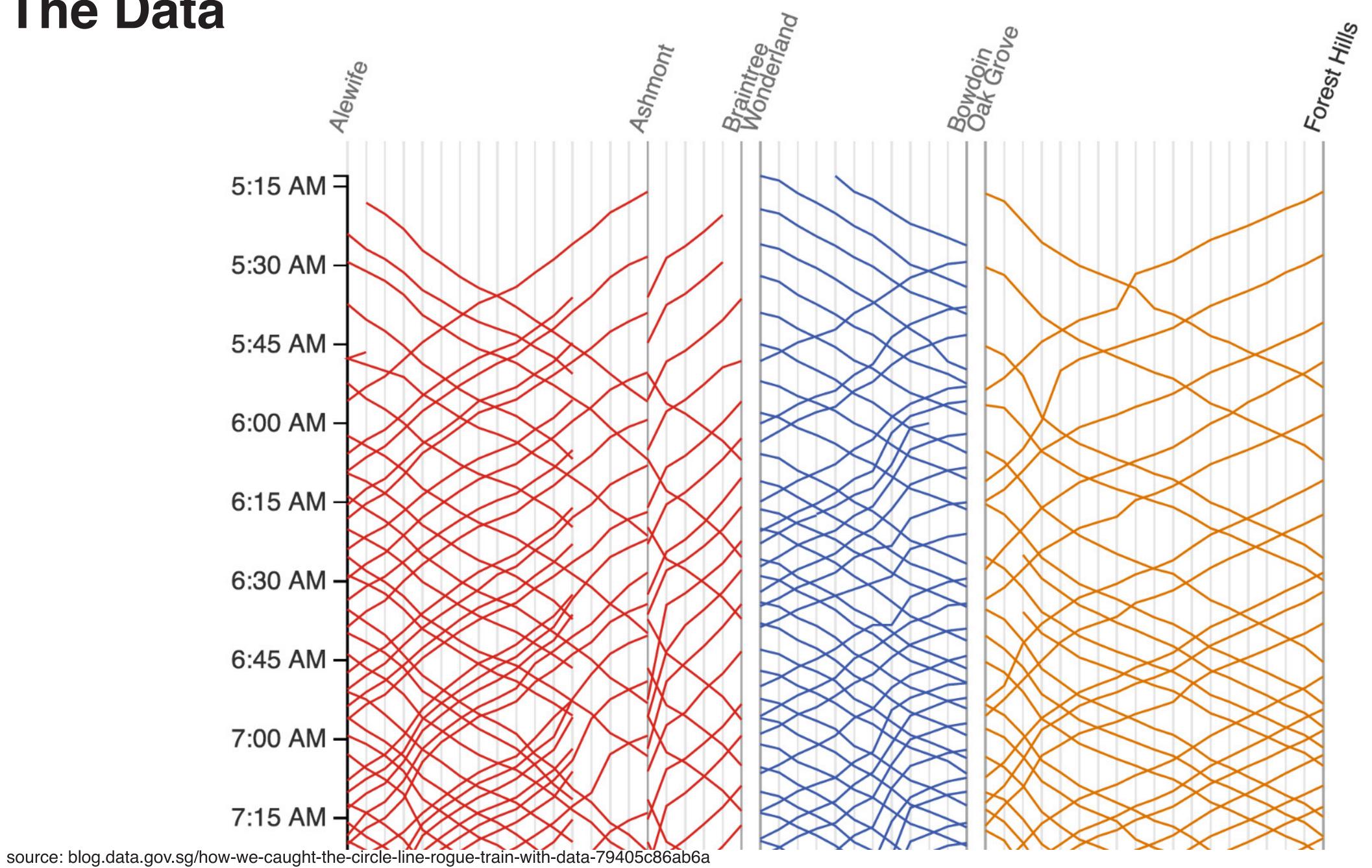
Frequency by Station

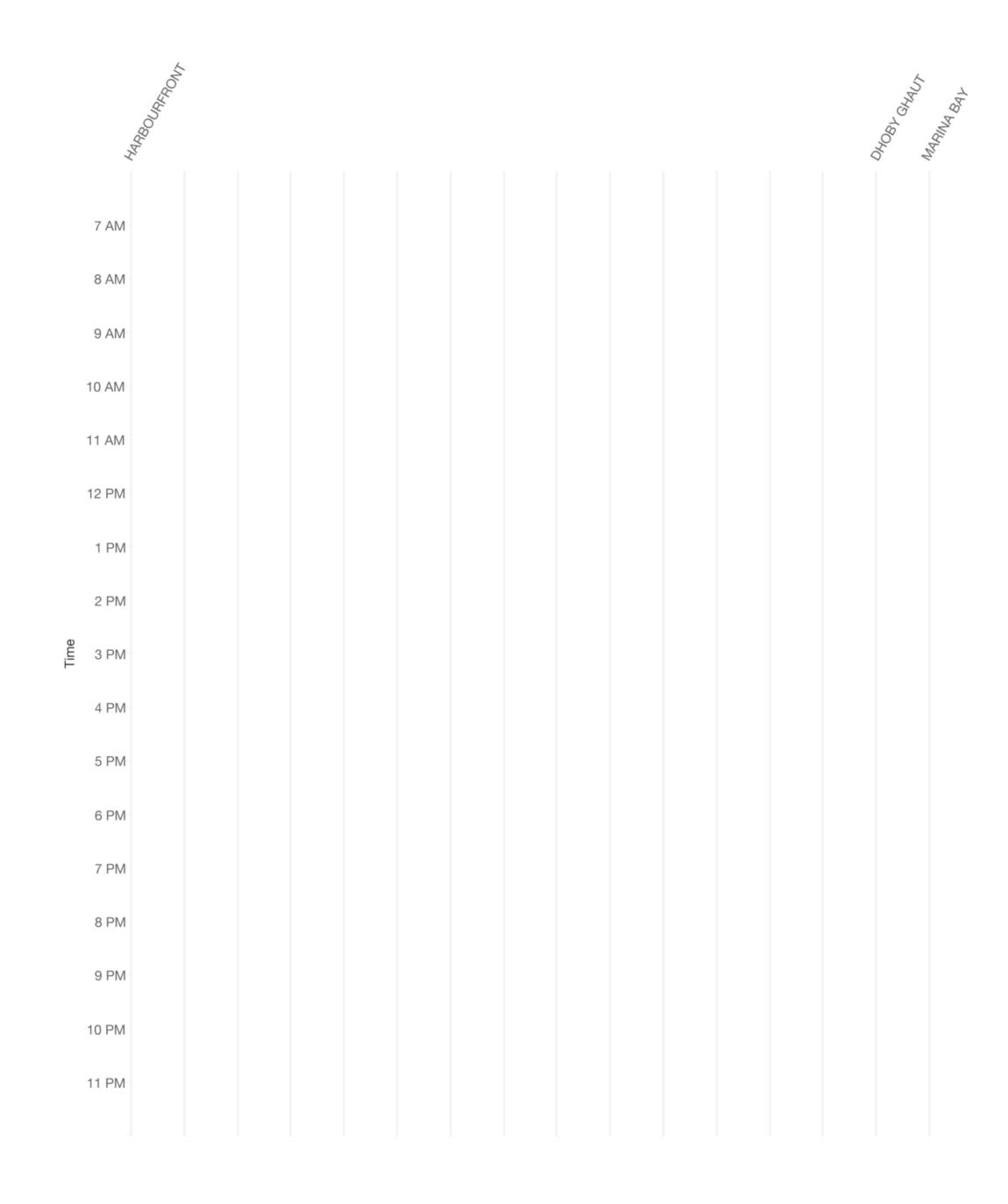


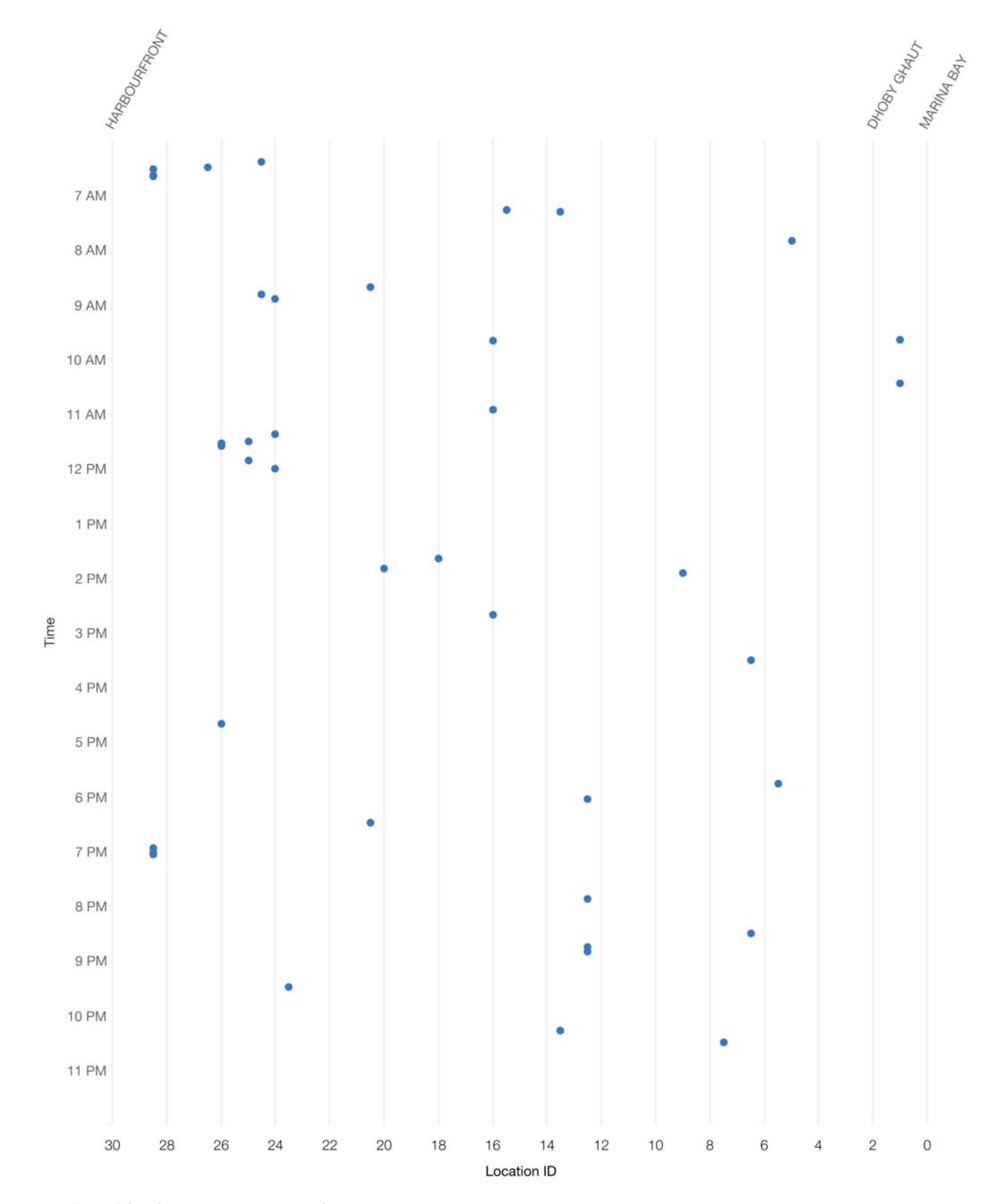
source: blog.data.gov.sg/how-we-caught-the-circle-line-rogue-train-with-data-79405c86ab6a



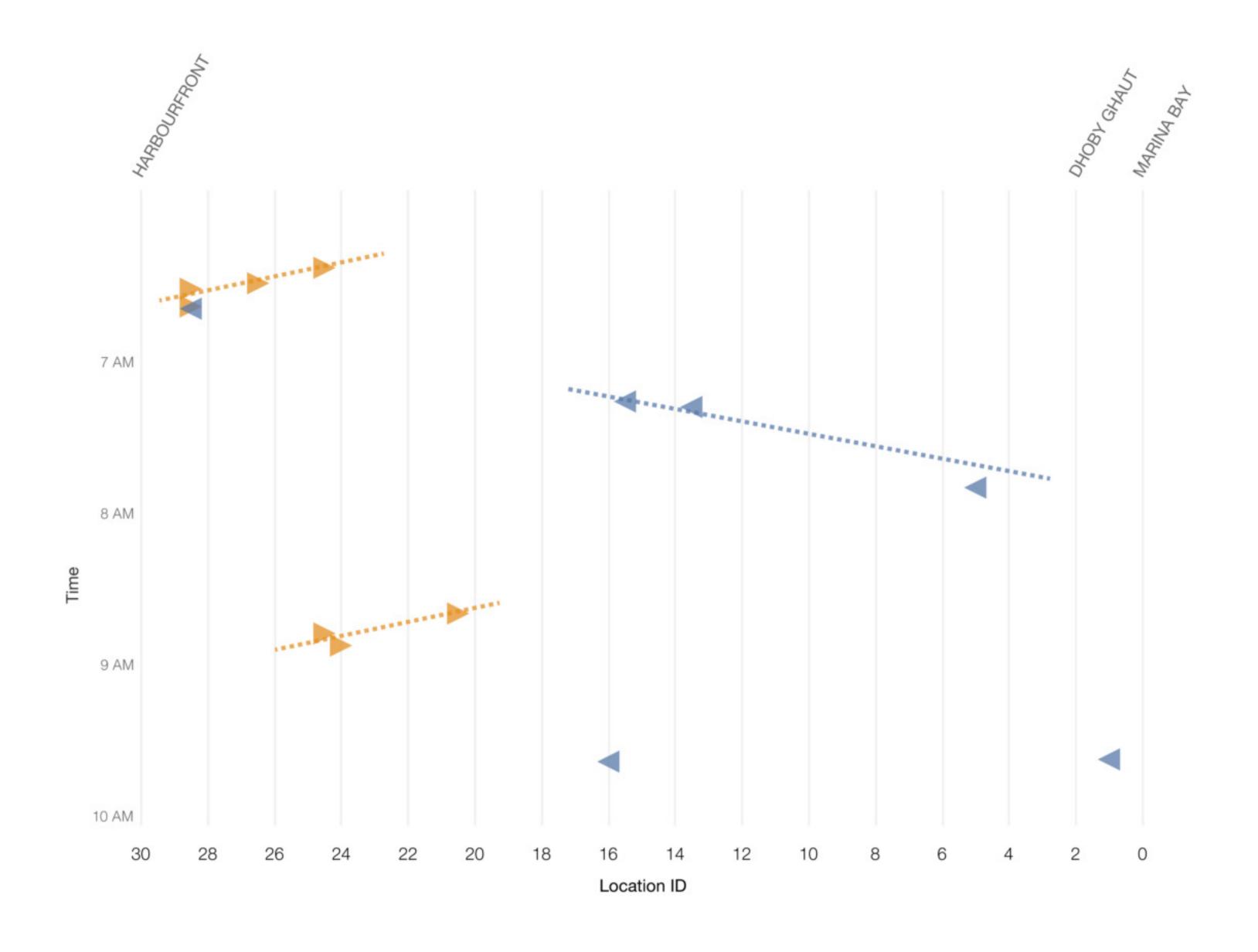


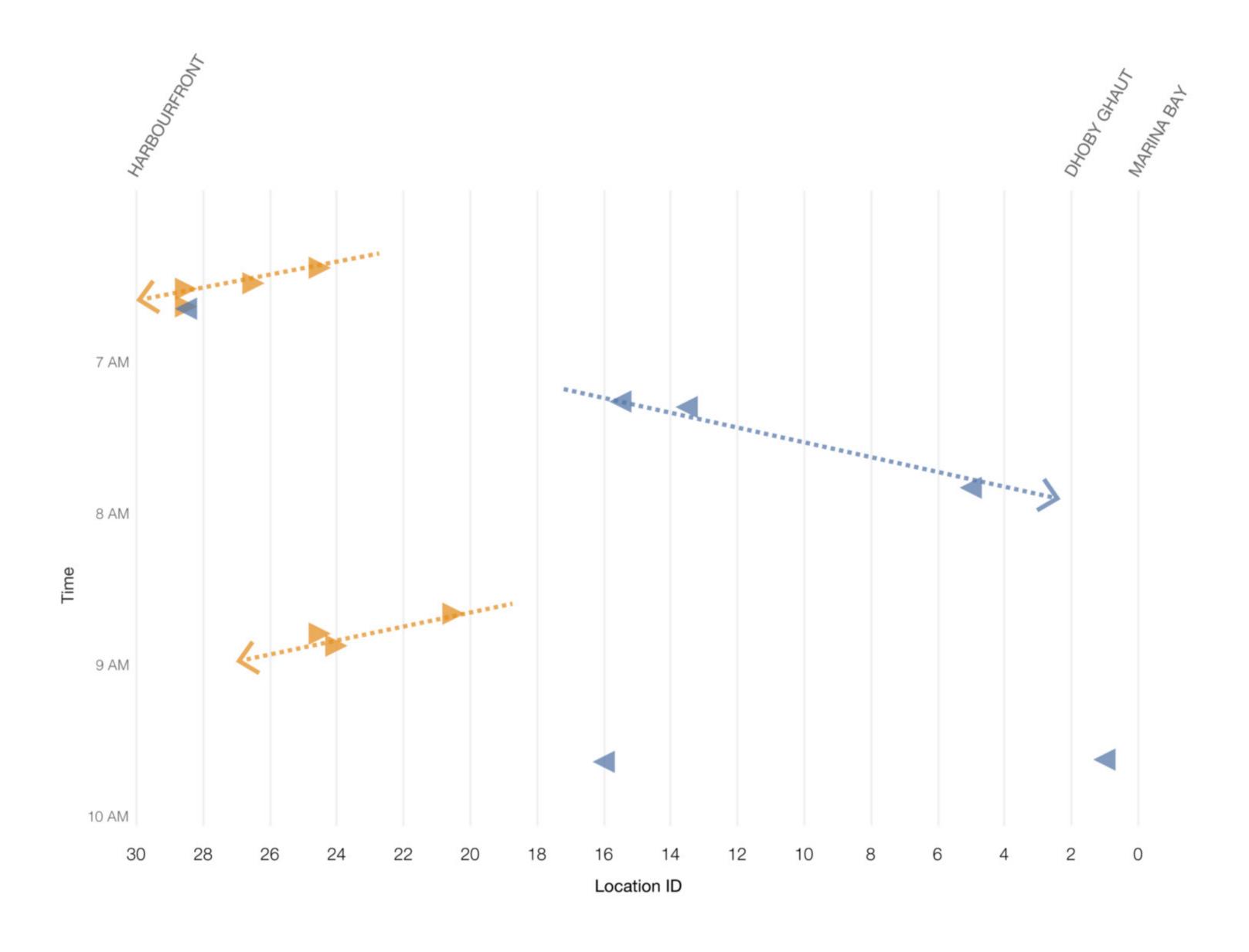


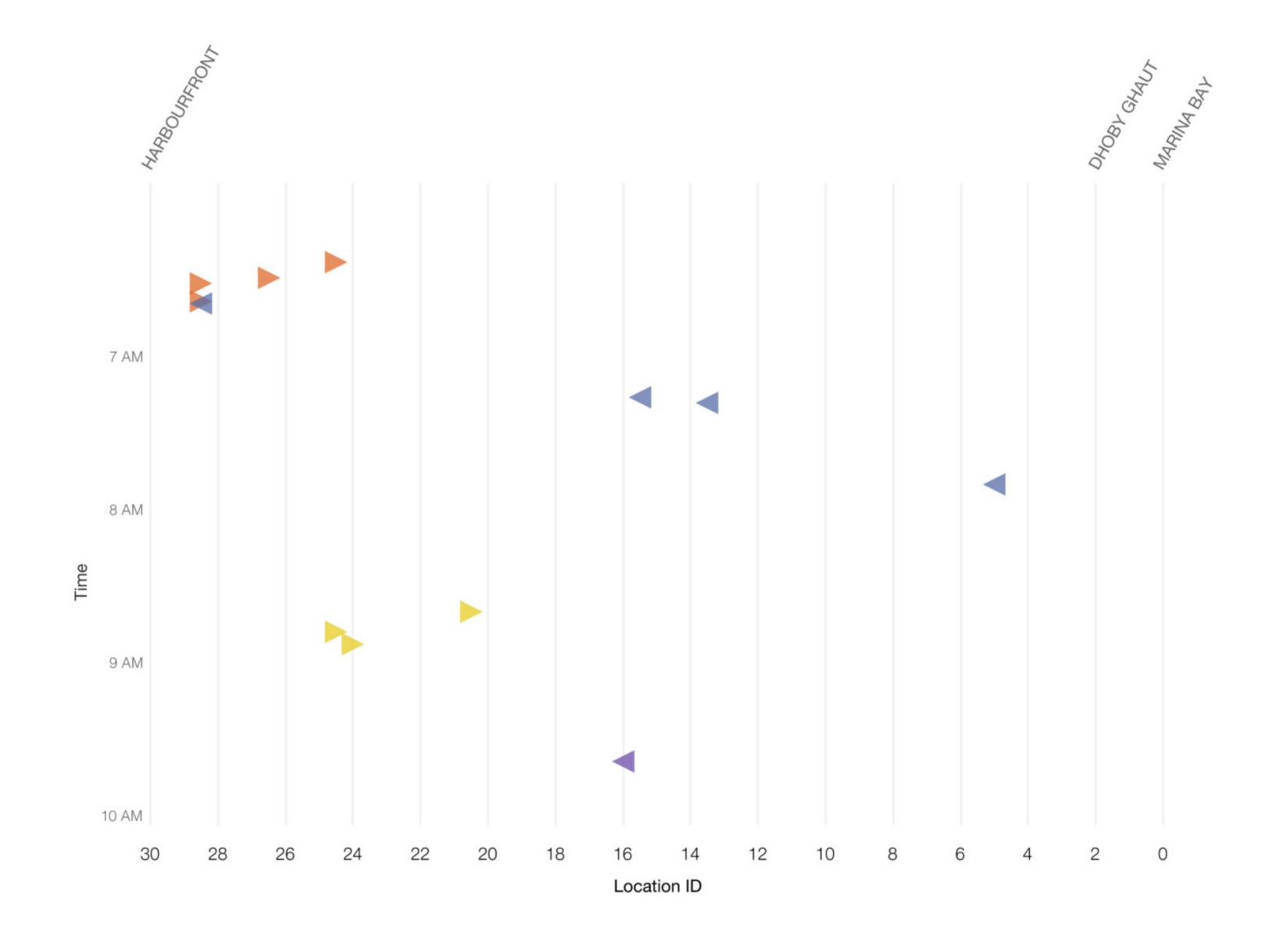


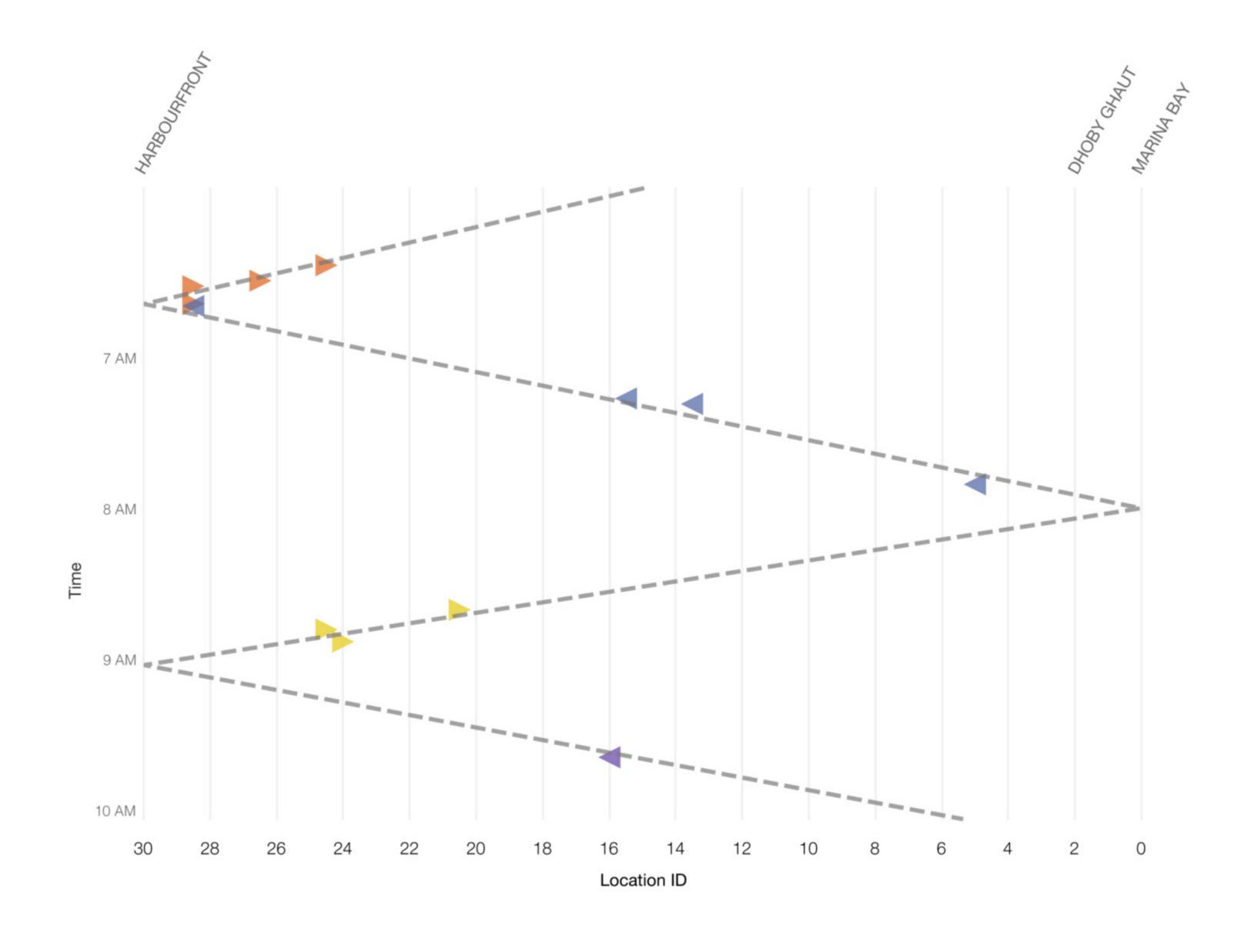




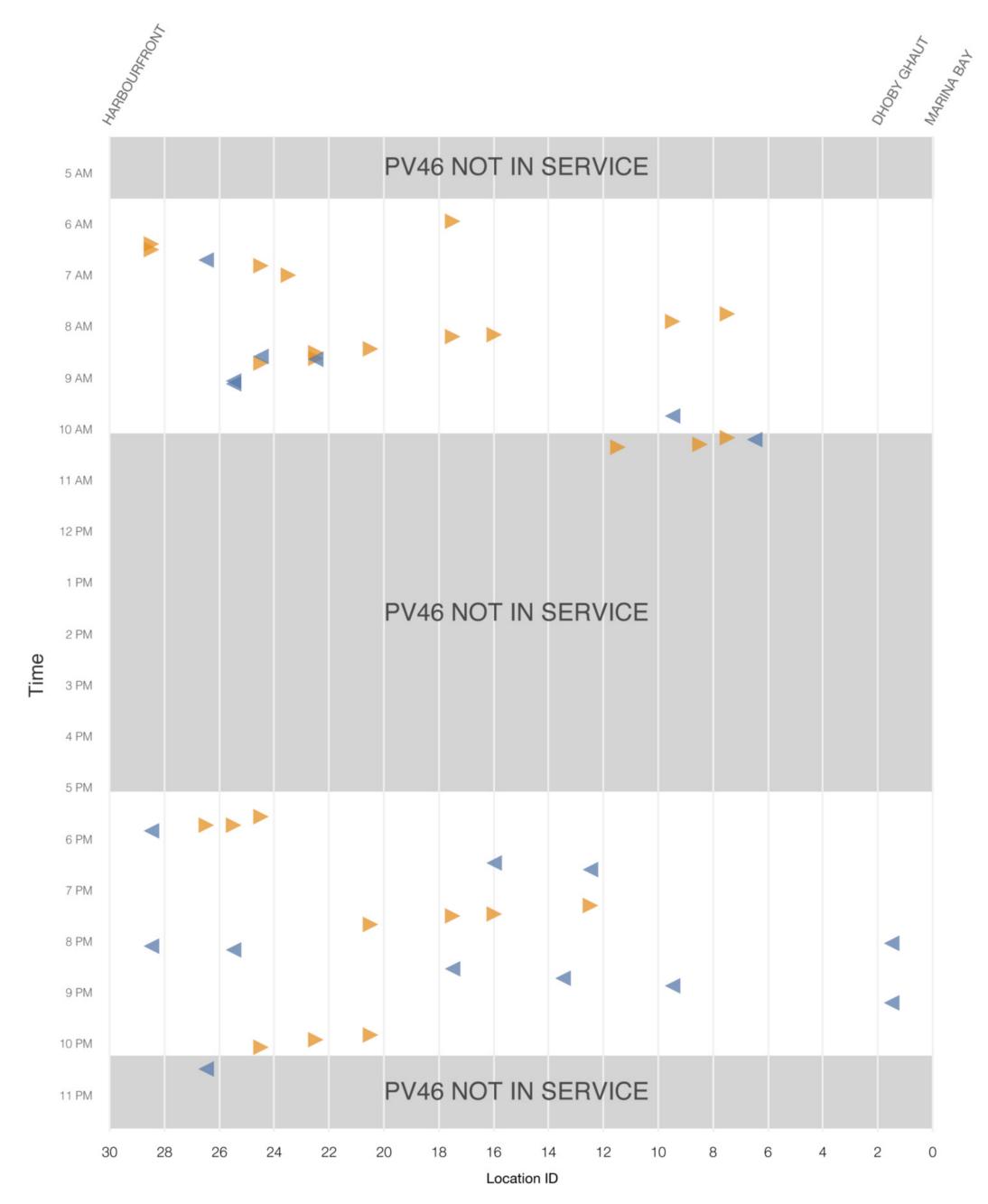








Testing



Blogging





How the Circle Line rogue train was caught with data

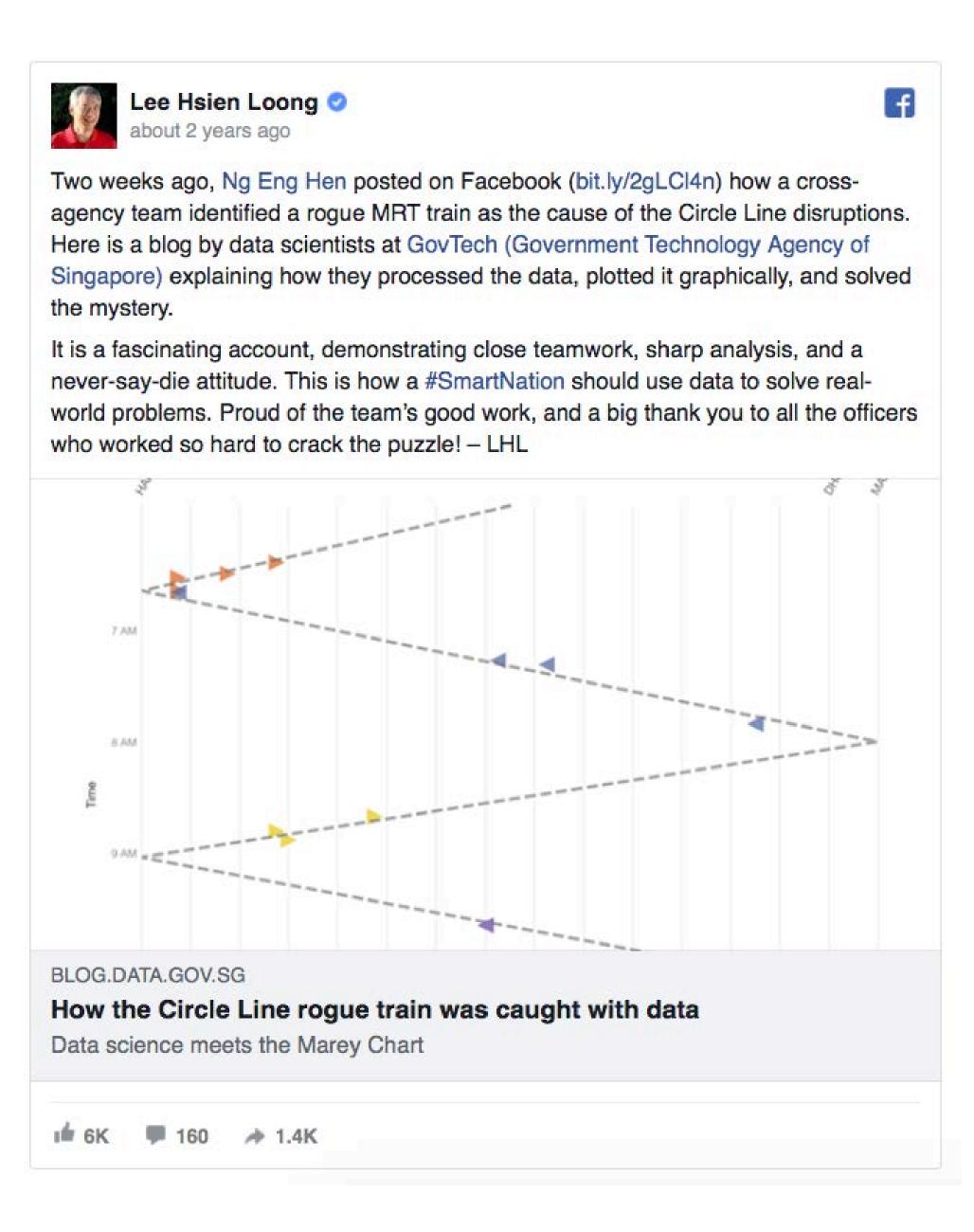
Text: Daniel Sim | Analysis: Lee Shangqian, Daniel Sim & Clarence Ng

Singapore's MRT Circle Line was hit by a spate of mysterious disruptions in recent months, causing much confusion and distress to thousands of commuters.

Like most of my colleagues, I take a train on the Circle Line to my office at onenorth every morning. So on November 5, when my team was given the chance to investigate the cause, I volunteered without hesitation.

1865 - 1986 - 1986

Recognition







A newsletter about what the hell is going on with the subway.

Email address... Subscribe

FRIDAY, OCTOBER 5, 2018 · 2 LIKES

A Train's Brakes Were Automatically Activated, Explained

In June, @NYCTSubway started reporting an awful lot of delays due to a train's brakes being automatically activated. It had rarely using this phrase before, but all of a sudden they were using it all the time. After about a month, the reader questions started rolling into my inbox: what's the deal with that?

In short, using this term is part of NYCT's efforts to be more transparent and accurate about why trains are delayed. Yet, it also reminds us how misleading some of the reasons provided in the past have been.

Often, the first instance of a delay is a train's brakes activating, which in NYCT jargon is called Brakes In Emergency or BIE. All types of things can cause a train to go BIE: signal problems, debris on the tracks, tripping a signal timer, or even a passenger pulling the emergency brake. Sometimes, a train going into BIE isn't a big deal. Other times, it is the first sign of a larger issue, which @NYCTSubway will often explain in a follow-up tweet once they figure out what it is. Think of BIE kind of like the subway version of the Mac spinning beach ball.

NYC MTA

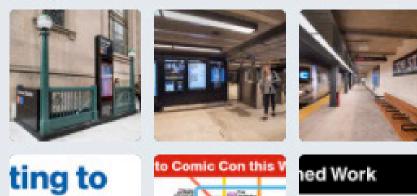




@NYCTSubway

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- New York City
- Joined August 2009



Tweets & replies Media Tweets NYCT Subway @NYCTSubway · 51m 2 and 3 train service has resumed. NYCT Subway ONYCTSubway Northbound 2 and 3 trains are running with delays because of NYPD activity at Franklin Av. 0 1 NYCT Subway @NYCTSubway · 59m Northbound 2 and 3 trains are running with delays because of NYPD activity at Franklin Av. 1 2 ♡ 5 NYCT Subway @ @NYCTSubway - 2h A and D train service has resumed.

NYC MTA

