

TFL Train Network Usage Analysis

2019 - 2024

Underground | Overground | DLR | Elizabeth Line

UNDERGROUND

OVERGROUND

DLR

ELIZABETH LINE

TFL Train
Network
Usage
Analysis

2019 - 2024



Total Footfall

14bn

Average Daily Footfall

6.21M

Count of Station

434

Number of Zones

9

Footfall Change %

-11.03%

Busiest Station

Kings Cross St Pancras

Measure_BusiestMonth

October

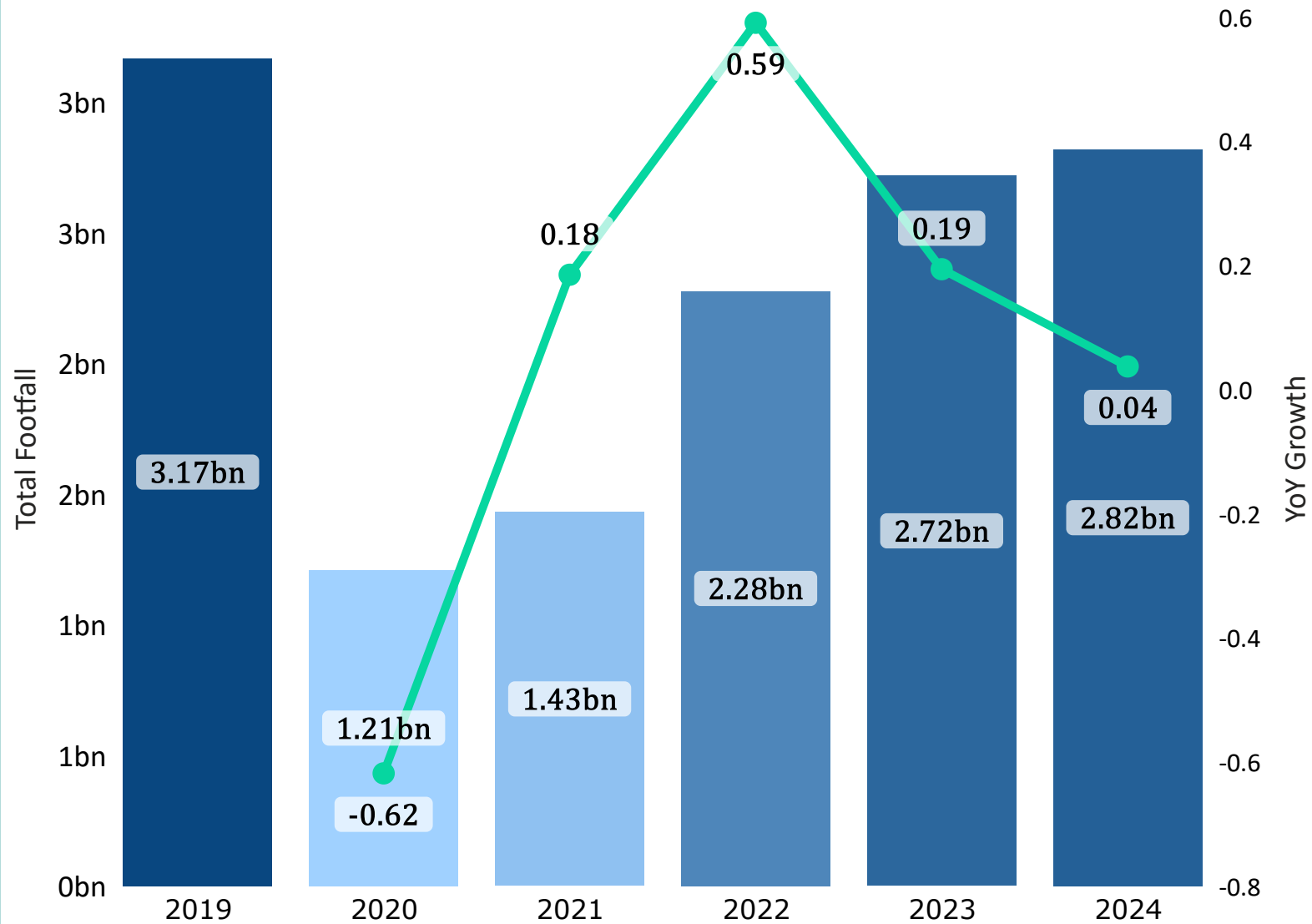
Busiest Day of Week

Thursday

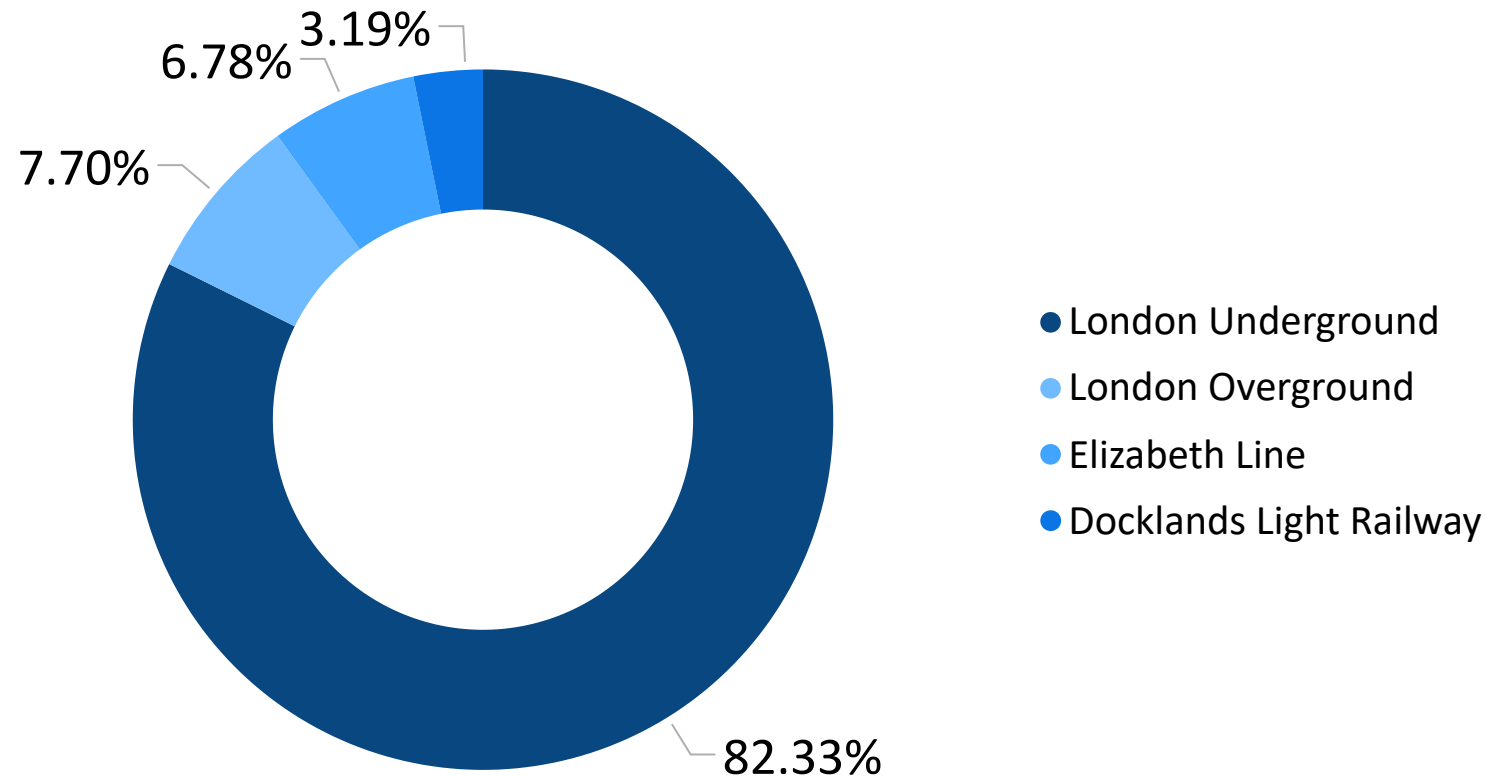
Busiest Day

29 November 2019

Footfall by Year



Distribution of Footfall by Network

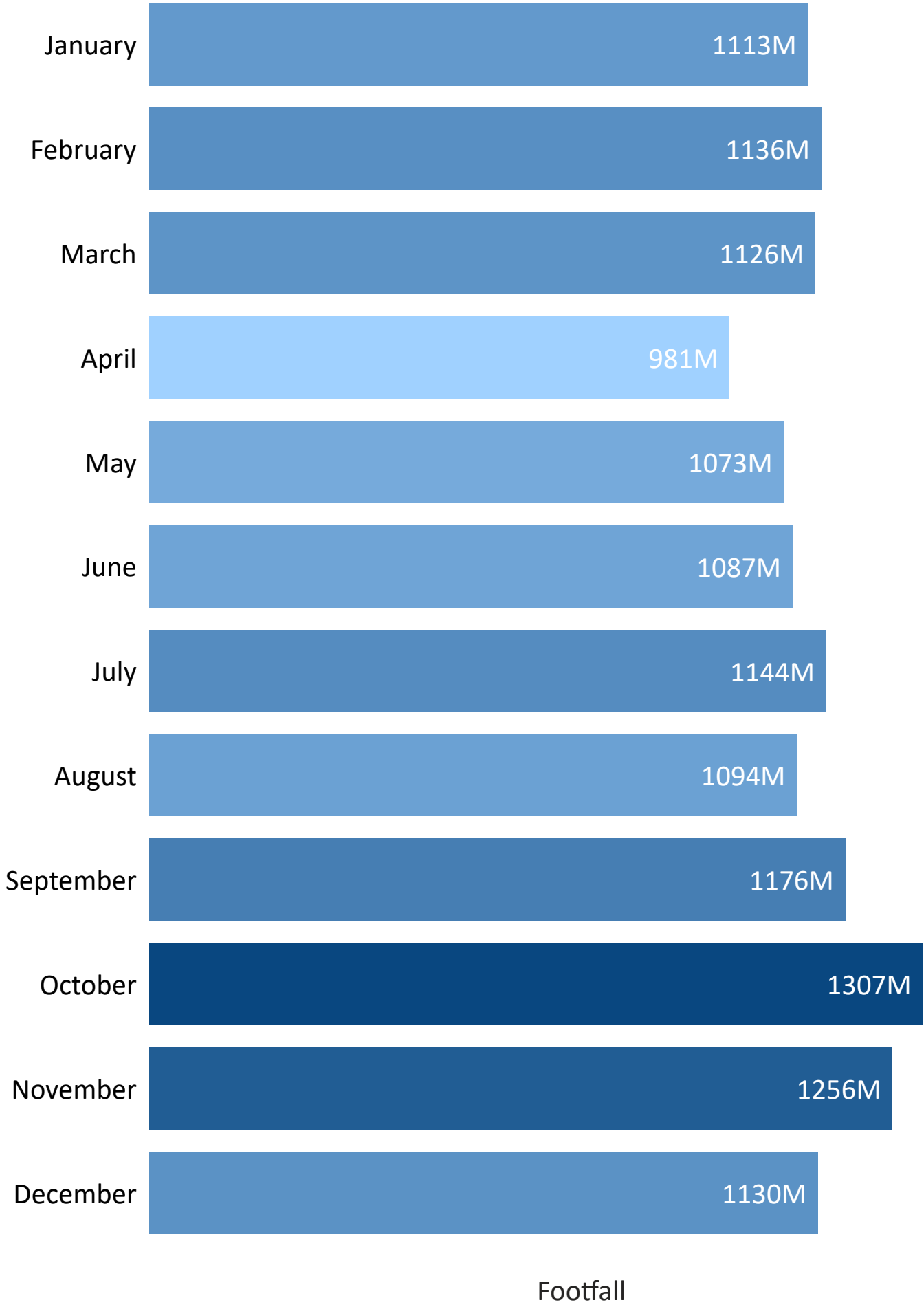


TFL Train Network Usage Analysis

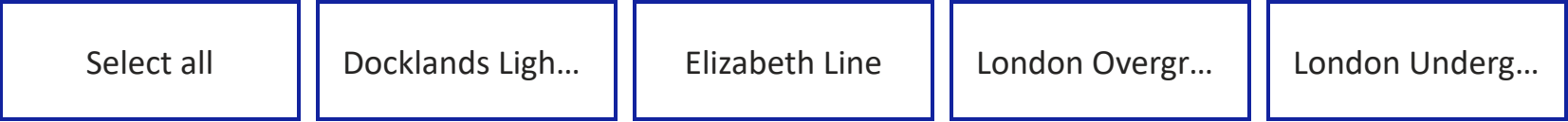
2019 - 2024



Monthly Footfall Distribution



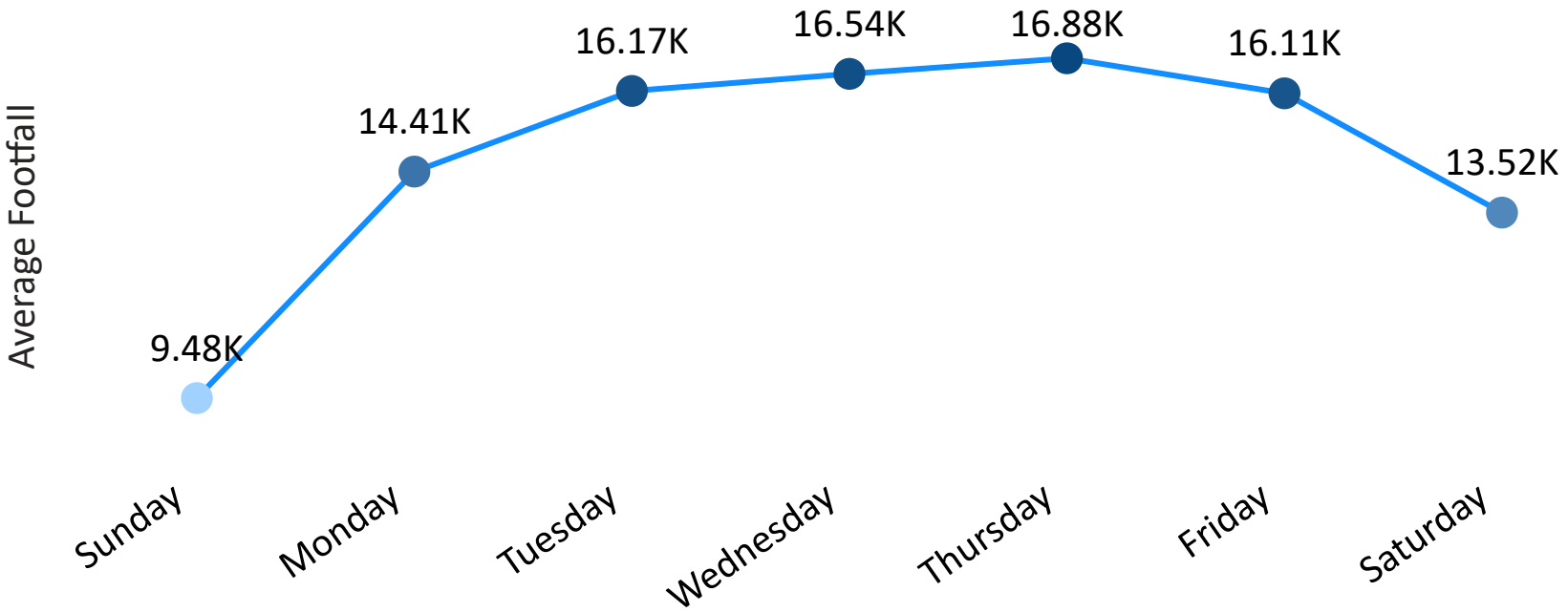
Networks



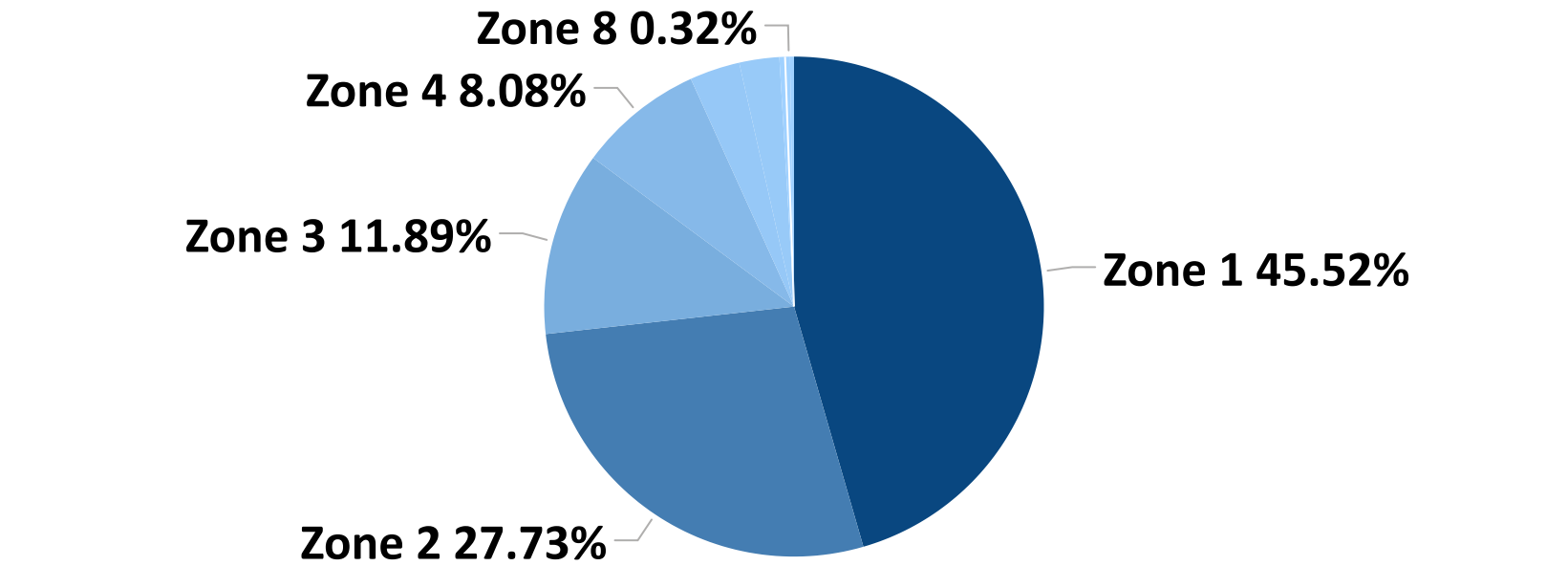
Year



Average Footfall by Day of Week



Footfall Distribution by Zones



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Top 20 Most Used Stations based on Average Yearly Footfall

Station Name	Zone	Average Daily Footfall	2020 YoY	2021 YoY	2022 YoY	2023 YoY	2024 YoY	Day Dependency Index	Month Dependency Index	Z_Score	Performance Band
Kings Cross St Pancras	Zone 1	166,851.33	-0.69	0.22	0.87	0.18	0.04	1.10	1.14	1.11	Busy Interchange
Victoria	Zone 1	147,675.63	-0.66	0.12	0.69	0.15	0.02	1.15	1.13	1.07	Busy Interchange
London Bridge	Zone 1	133,701.00	-0.64	0.20	0.46	0.22	0.01	1.14	1.16	0.92	Busy Interchange
Oxford Circus	Zone 1	131,702.74	-0.66	0.24	0.53	0.04	0.00	1.14	1.18	1.01	Busy Interchange
Stratford	Zone 2	131,097.60	-0.58	0.17	0.49	0.11	0.03	1.12	1.14	0.62	Busy Interchange
Waterloo	Zone 1	130,732.04	-0.68	0.31	0.78	0.16	0.07	1.19	1.17	1.17	Busy Interchange
Liverpool Street	Zone 1	124,567.12	-0.67	0.16	0.97	0.17	0.05	1.25	1.17	1.40	Busy Interchange
Tottenham Court Road	Zone 1	101,757.95	-0.68	0.10	1.69	0.52	0.06	1.13	1.18	0.95	Busy Interchange
Paddington	Zone 1	78,464.84	-0.70	0.29	0.68	-0.09	0.06	1.12	1.15	0.44	Commuter Station
Bond Street	Zone 1	78,161.83	-0.64	0.21	0.72	0.42	0.03	1.15	1.31	0.87	Busy Interchange
Canary Wharf	Zone 2	75,659.11	-0.68	0.32	0.66	0.10	0.02	1.23	1.13	0.76	Busy Interchange
Green Park	Zone 1	71,014.35	-0.67	0.20	0.77	0.12	0.02	1.14	1.16	0.40	Neighbourhood Hub
Leicester Square	Zone 1	68,245.71	-0.69	0.33	0.87	0.13	-0.08	1.40	1.18	1.33	Busy Interchange
Piccadilly Circus	Zone 1	65,317.25	-0.72	0.14	1.11	0.10	-0.04	1.23	1.17	0.77	Busy Interchange
Bank	Zone 1	65,249.94	-0.72	-0.13	1.04	0.37	0.05	1.45	1.15	1.96	City Anchor
Euston	Zone 1	63,815.40	-0.68	0.49	0.63	0.23	0.09	1.12	1.18	0.34	Neighbourhood Hub
Farringdon	Zone 1	60,005.46	-0.67	-0.06	1.56	0.78	0.14	1.41	1.20	1.89	City Anchor
Liverpool St NR	Zone 1	57,918.59	-0.58	0.19	0.58	-0.31	0.08	1.26	1.21	0.95	Busy Interchange
South Kensington	Zone 1	57,712.89	-0.67	-0.09	1.12	0.30	0.04	1.13	1.20	0.38	Neighbourhood Hub
Vauxhall	Zone 1	55,714.15	-0.59	0.20	0.27	0.08	0.02	1.15	1.15	0.12	Residential Connector

Stratford Station stands out as a "Busy Interchange" with a strong Z-score of 0.62, confirming its high and consistent footfall despite being outside Zone 1 — rivalling or even outperforming several central London hubs in overall performance.

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Zone

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9
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Top 15 Most Used Stations in the Zone

Station Name	Average Daily Footfall	Average YoY	Z_Score	Performance Band
Wimbledon	37,491.48	0.04	-0.16	Community Stop
Seven Sisters	34,357.99	0.01	-0.40	Low Footfall Stop
Walthamstow Central	33,094.61	0.04	-0.42	Low Footfall Stop
Ealing Broadway	32,877.78	0.08	-0.19	Community Stop
Tooting Broadway	29,834.19	0.03	-0.24	Community Stop
Tottenham Hale	29,744.36	0.08	-0.27	Low Footfall Stop
East Ham	25,755.49	0.04	-0.29	Low Footfall Stop
Balham	23,844.16	0.04	-0.18	Community Stop
Wood Green	23,124.88	0.01	-0.40	Low Footfall Stop
Leyton	21,778.40	-0.01	-0.52	Low Footfall Stop
Blackhorse Road	20,771.36	0.07	-0.41	Low Footfall Stop
Upton Park	20,428.88	0.06	-0.28	Low Footfall Stop
Turnpike Lane	19,999.00	0.01	-0.46	Low Footfall Stop
Leytonstone	18,204.21	-0.01	-0.42	Low Footfall Stop
Golders Green	14,995.90	0.04	-0.40	Low Footfall Stop
Tooting Bec	14,989.99	0.05	-0.29	Low Footfall Stop
Colliers Wood	13,361.42	0.02	-0.57	Low Footfall Stop
Hendon Central	12,643.27	0.05	0.10	Residential Connector
Hackney Central	12,504.42	0.04	-0.31	Low Footfall Stop
East Finchley	12,399.23	0.05	-0.07	Community Stop

Number of Stations in the Zone

77

Average Daily Footfall in the Zone

739.04K

Average Yearly Footfall in the Zone

270M

YoY Footfall Change (2019-2024)

-7.27%

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Select Station -

Abbey Road DLR

Abbey Wood

Acton Central

Acton Main Line

Acton Town

Aldgate

Bow Church

Zone

Zone 2

Primary Network

Docklands Light Railway

Train Lines Available

DLR

First NightAccess

No

Busiest Day

30 September 2019

Busiest Month

October

Busiest Day Of Week

Thursday

Performance Band

Busy Interchange

Average Daily Footfall

3.16K

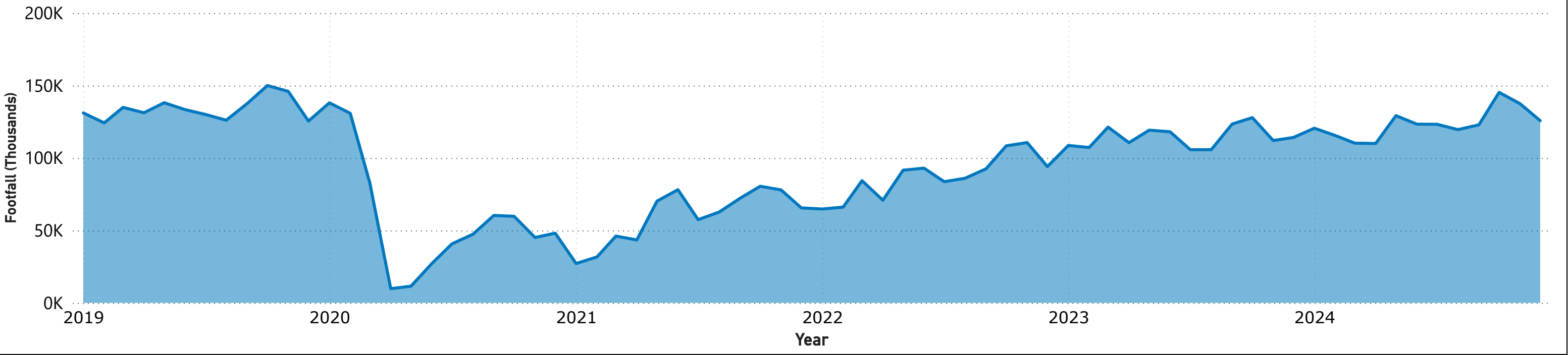
Average Yearly Footfall

1M

Average YoY

27.25%

Station Usage Trend





KEY FINDINGS

Dramatic COVID-19 Impact and Recovery Pattern - The network experienced a severe 62% drop in footfall during 2020, falling from 3.17 billion to 1.21 billion passengers. Recovery has been steady but incomplete, with 2024 figures (2.72 billion) still 14% below pre-pandemic levels.

Zone Distribution Reveals Central London Dominance - Nearly half (45.52%) of all network usage occurs in Zone 1, with Zone 2 accounting for an additional 27.73%. This concentrated usage pattern underscores the continued importance of central London.

Elizabeth Line Integration Transforming Key Stations - Stations connected to the Elizabeth Line show exceptional growth, with Tottenham Court Road (169% YoY growth in 2022) and Farringdon (156% YoY growth in 2022) experiencing dramatic increases in footfall.

Changing Weekly Usage Patterns - Thursday has emerged as the busiest day (16.88K average footfall), while Monday shows relatively lower usage (13.52K), suggesting a mid-week concentration of office attendance. This indicates a lasting change in work patterns post-pandemic.

Stratford as a Zone 2 Outlier - Despite being outside Zone 1, Stratford ranks as the 5th busiest station with 131,097 daily passengers, outperforming many central London hubs. With a strong Z-score of 0.62, it demonstrates the growing importance of strategic outer hubs and the successful development of East London as a major transport and commercial centre.