

PROJECT: EXPLORING LONDON'S TRAVEL NETWORK



LOG IN



LOG IN

London, or as the Romans called it "Londonium"! Home to [over 8.5 million residents](#) who speak over [300 languages](#). While the City of London is a little over one square mile (hence its nickname "The Square Mile"), Greater London has grown to encompass 32 boroughs spanning a total area of 606 square miles!



Given the city's roads were originally designed for horse and cart, this area and population growth has required the development of an efficient public transport system! Since the year 2000, this has been through the local government body called **Transport for London**, or *TfL*, which is managed by the London Mayor's office. Their remit covers the London Underground, Overground, Docklands Light Railway (DLR), buses, trams, river services (clipper and [Emirates Airline cable car](#)), roads, and even taxis.

The Mayor of London's office make their data available to the public [here](#). In this project, you will work with a slightly modified version of a dataset containing information about public transport journey volume by transport type.

The data has been loaded into a **Snowflake** database called **TFL** with a single table called **JOURNEYS**, including the following data:

TFL.JOURNEYS

Column	Definition	Data type
MONTH	Month in number format, e.g., 1 equals January	INTEGER
YEAR	Year	INTEGER
DAYS	Number of days in the given month	INTEGER
REPORT_DATE	Date that the data was reported	DATE
JOURNEY_TYPE	Method of transport used	VARCHAR
JOURNEYS_MILLIONS	Millions of journeys, measured in decimals	FLOAT

Note that *in Snowflake all databases, tables, and columns are **upper case** by default.*

You will execute SQL queries to answer three questions, as listed in the instructions.

...	↑↓	JOURNEY_TY...	...	↑↓	TOTAL_JOURNEYS_MIL...	...	↑↓
0		Bus			24905.19394699		
1		Underground & DLR			15020.466543504		
2		Overground			1666.8456664279		
3		TfL Rail			411.3134209833		
4		Tram			314.6898754821		
5		Emirates Airline			14.5837175749		

...	↑↓	...	↑↓	...	↑↓	ROUNDED_JOURNEYS_MIL...	...	↑↓
0		2012		5		0.53		
1		2012		6		0.38		
2		2012		4		0.24		
3		2013		5		0.19		
4		2015		5		0.19		

...	↑↓	...	↑↓	JOURNEY_TY...	...	↑↓	TOTAL_JOURNEYS_MIL...	...	↑↓	
0		2020		Underground & DLR			310.179316314			
1		2021		Underground & DLR			748.4525442			
2		2022		Underground & DLR			1064.8590086			
3		2010		Underground & DLR			1096.14558838			
4		2011		Underground & DLR			1156.64765448			