



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

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.

index	...	↑↓	JOURNEY_TYPE	...	↑↓	TOTAL_JOURNEYS_MILLIONS
0			Bus			24
1			Underground & DLR			150
2			Overground			166
3			TfL Rail			41
4			Tram			31
5			Emirates Airline			1
Rows: 6						↗ Expand

index	...	↑↓	MONTH	...	↑↓	YEAR	...	↑↓	ROUNDED_JOURNEYS_MILLIONS
0						5			2012
1						6			2012
2						4			2012
3						5			2013
4						5			2015
Rows: 5									↗ Expand

index	...	↑↓	YEAR	...	↑↓	JOURNEY_TYPE	...	↑↓	TOTAL_JOURNEYS_MILLIONS
0						2020			Underground & DLR
1						2021			Underground & DLR
2						2022			Underground & DLR
3						2010			Underground & DLR
4						2011			Underground & DLR
Rows: 5									↗ Expand