

Intro to BigQuery solutions



These are the solutions to the Intro to BigQuery activity. You can refer to this document if you are troubleshooting your own queries. You can also copy and paste these solutions to test them in your own BigQuery console.

1. From which station names has bike\_id 1710 started?

SELECT

DISTINCT start\_station\_name

FROM

`bigquery-public-data.london\_bicycles.cycle\_hire`

WHERE

bike\_id = 1710;

1. How many bike\_ids have ended at "Moor Street, Soho"?

SELECT

COUNT (DISTINCT bike\_id) AS num\_of\_bikes

FROM

`bigquery-public-data.london\_bicycles.cycle\_hire`

WHERE

end\_station\_name = 'Moor Street, Soho';

1. What is the station\_id for "Canton Street, Poplar"?

SELECT

DISTINCT start\_station\_id --can also use end\_station\_id

FROM

`bigquery-public-data.london\_bicycles.cycle\_hire`

WHERE

start\_station\_name = 'Canton Street, Poplar' --can also use end\_station\_name

1. What is the name of the station whose ID is 111?

SELECT

DISTINCT start\_station\_name --can also use end\_station\_name

FROM

`bigquery-public-data.london\_bicycles.cycle\_hire`

WHERE

start\_station\_id = 111 --can also use end\_station\_id

1. How many distinct bike\_ids had trip durations greater than 2400 seconds (or 40 minutes)?

SELECT

COUNT(DISTINCT bike\_id) AS num\_of\_bike\_trips

FROM

`bigquery-public-data.london\_bicycles.cycle\_hire`

WHERE

duration > 2400 --schema indicates that trip duration is recorded in seconds