Quiz 1 Solutions

Write SQL queries and check the results in the Big Query Console for each of these questions.

1.

How many rows are in the data set `bigquery-public-data.new_york.311_service_requests`?

```
select count(*) from `bigquery-public-data.new_york.311_service_requests`
```

2.

In the data set, `bigquery-public-data.new_york.311_service_requests`, how many total records are there in the agency_name column?

```
select count(agency_name) from `bigquery-public-data.new_york.311_service_requests`
```

3.

In the data set, `bigquery-public-data.new_york.311_service_requests`, how many distinct agency names are there in the agency_name column?

```
SELECT COUNT(distinct agency_name) FROM `bigquery-public-data.new_york.311_service_requests`
```

    4. Which of the following queries will execute without any errors:

e)

This was is in the wrong one because the quotes are missing around the table name. It should be `bigquery-public-data.new_york.311_service_requests`

```
SELECT

  COUNT(DISTINCT city) AS distinct_city_count,

  COUNT(city) AS number_city_records

FROM

  bigquery-public-data.new_york.311_service_requests
```

5.

Which of the following data sets has the most rows?

`bigquery-public-data.nppes.healthcare_provider_taxonomy_code_set`

`bigquery-public-data.ncaa_basketball.mbb_historical_teams_seasons`

You can get the solution by checking the results of

```
select count(*) from `bigquery-public-data.nppes.healthcare_provider_taxonomy_code_set`
```

```
select count(*) from `bigquery-public-data.ncaa_basketball.mbb_historical_teams_seasons`
```

and seeing which one has more records. At the time of writing this the second table, `bigquery-public-data.ncaa_basketball.mbb_historical_teams_seasons`, had a lot more records.