

This lab let us know how to carry out interactive queries on the BigQuery console and combine and run analytics on multiple datasets.

Explore weather data

From this section, I found there were lots of different types of datasets on the qwiklabs that you can use for practicing. Those querying codes in the lab were kind of complicated but very understandable.

Explore New York citizen complaints data

On this step, I don't understand what COUNT (1) had done in the code. From the result, I guess it counts the total number of records.

Saving a new table of weather data

From this step, I learned how easy it is to create a new table with existing data and using procedure on the querying.

Find correlation between weather and complaints

The code was very interesting on this step. You can create your own table first, and then select data from the table that you just created. You can do this many times in the code. It is just like a powerful filter. Like select ... from (select...from (select ... from...))

Qwiklabs

Weather Data in BigQuery | Qwiklabs

qwiklabs.com/focuses/609?parent=catalog

Weather Data in BigQuery

End Lab

00:08:46

Caution: When you are in the console, do not deviate from the lab instructions. Doing so may cause your account to be blocked.
[Learn more.](#)

Open Google Console

Username

student-04-827f5a933cc@

Password

LBF5VoPIsTW

GCP Project ID

qw1klabs-gcp-00-43660628

```
GROUP BY
  descriptor,
  wind_speed
)
GROUP BY descriptor
HAVING
  total_complaint_count > 5000 AND
  ABS(corr_pct) > 0.5 AND
  data_count > 5
ORDER BY
  ABS(corr_pct) DESC
```

Notice that the Corr columns are both negative for noise related complaints – do you have a hypothesis for why noise complaints reduce on windy days? Are the coefficients statistically sufficient?

As you can see, BigQuery can give you insights into many different problems from many different angles.

Click **Check my progress** below to verify you're on track in this lab.

Find correlation between weather and complaints

✓

Check my progress

Assessment Completed!

Checkpoints

Explore weather data

Check my progress

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Explore New York citizen complaints data

Check my progress

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Saving a new table of weather data

Check my progress

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Find correlation between weather and complaints

Check my progress

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Summary

Congratulations!

Summary