

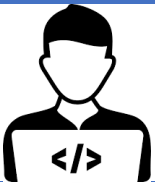


# Google Cloud

Google cloud platform project

Big Query Data Analysis on Google Cloud  
(BigQuery)

## Creator information



Abdullah Alowaydi



<https://github.com/3abd787>



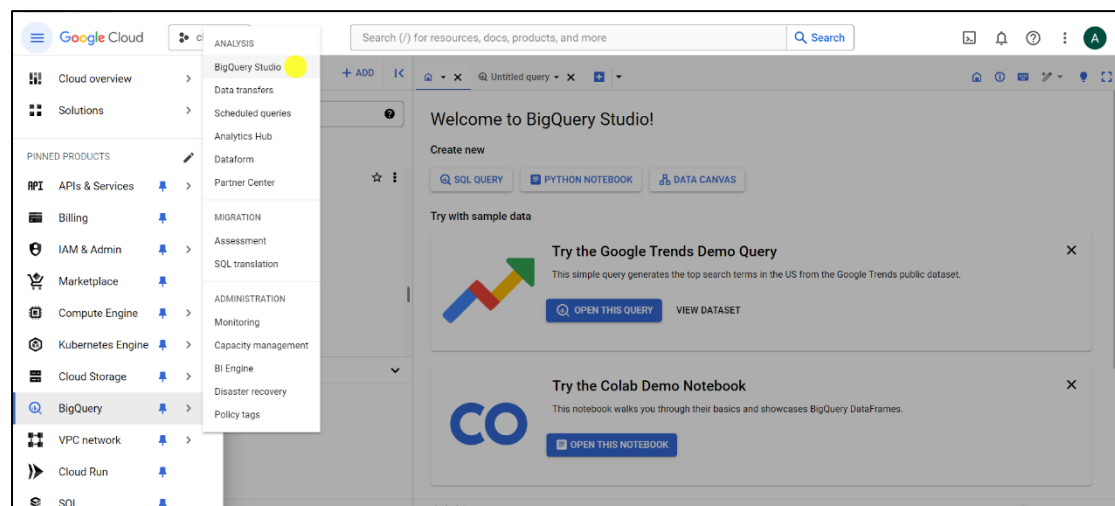
<https://www.linkedin.com/in/abdullah-alowaydi>

## Guidelines:

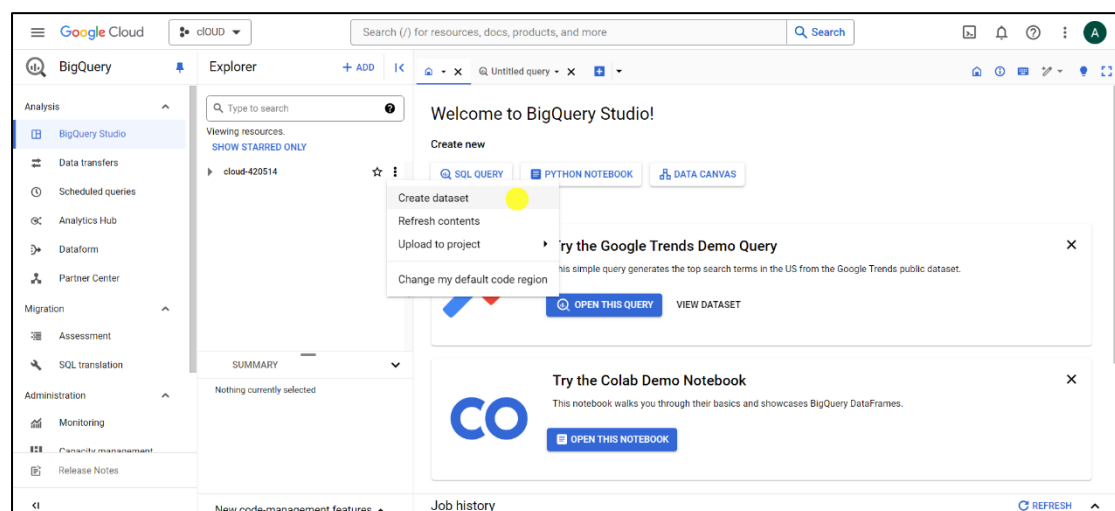
- 1- Make your own GCP account. Through URL: <https://cloud.google.com/>
- 2- After you make your account go to the BigQuery and create your dataset.
- 3- Deploying your BigQuery.

## BigQuery Settings:

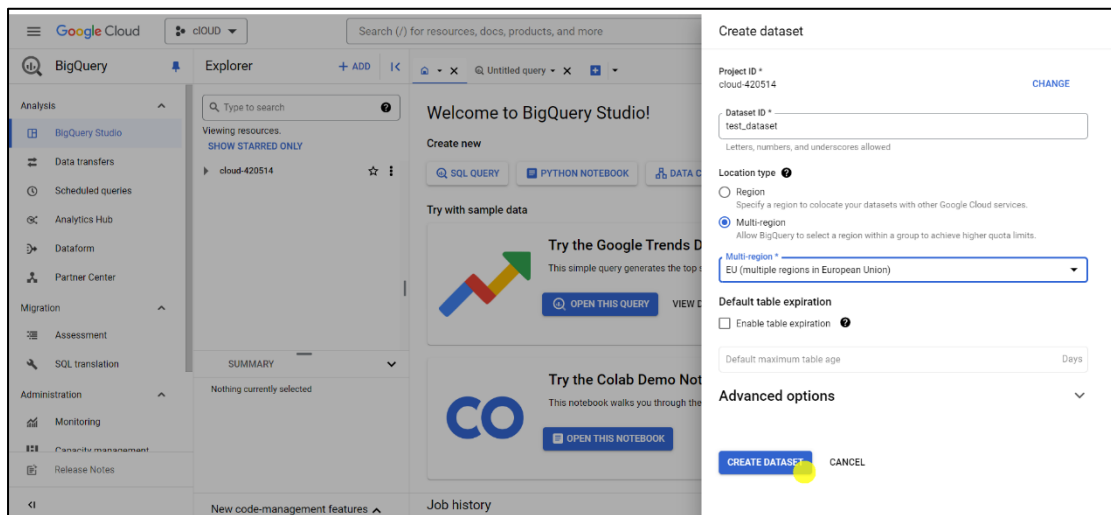
here you make your first dataset.



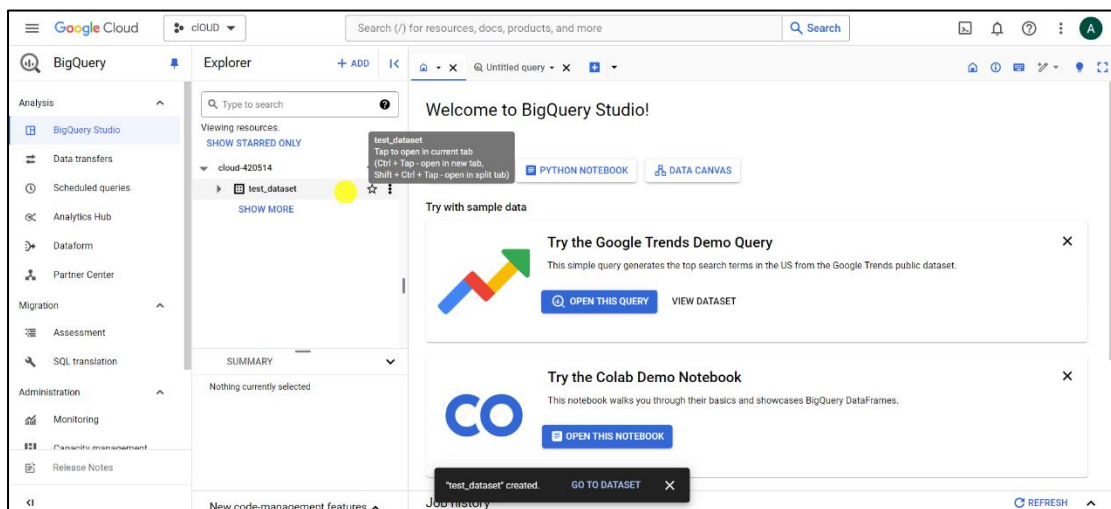
Click on three dots and click Create dataset .



The dataset settings name your dataset and click on CARET DATASET.

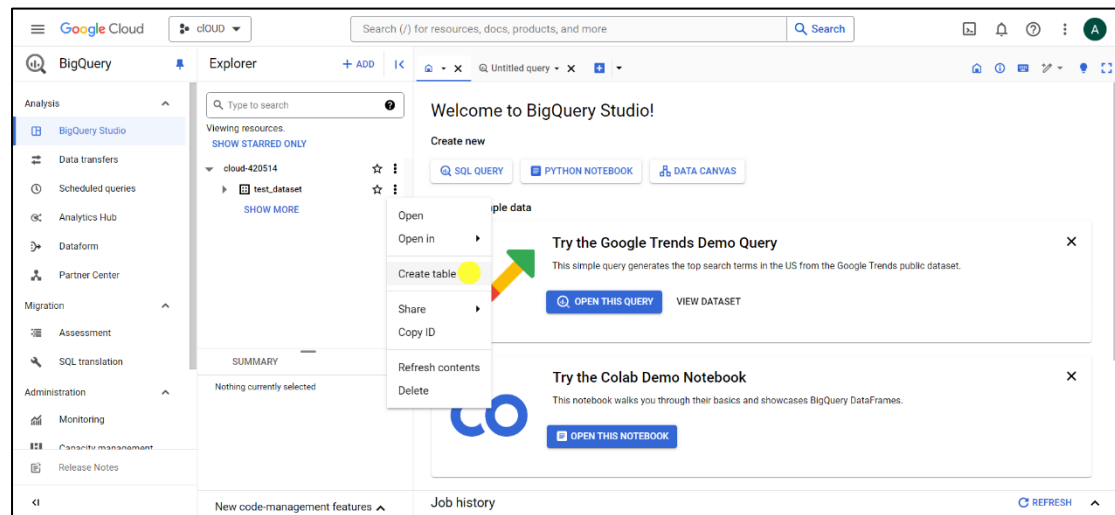


Your dataset has been created.

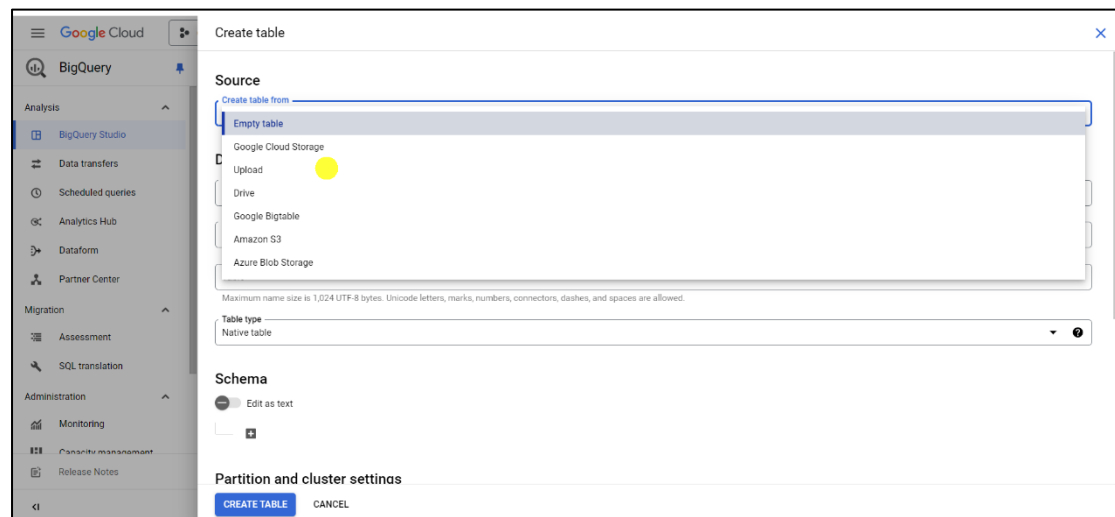


## Creating Table:

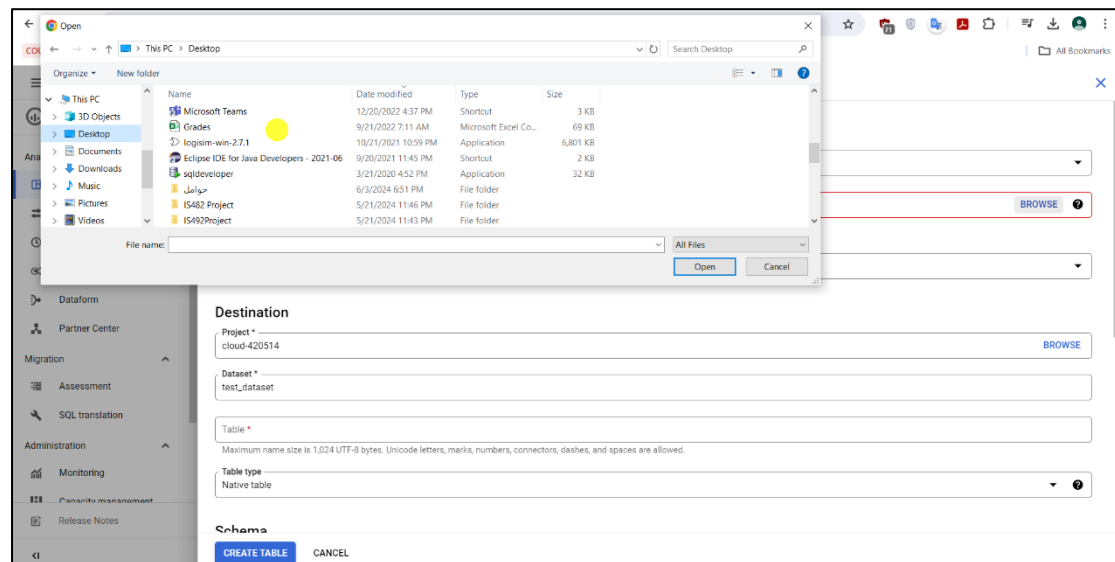
Now click on the three dots and click Create table.



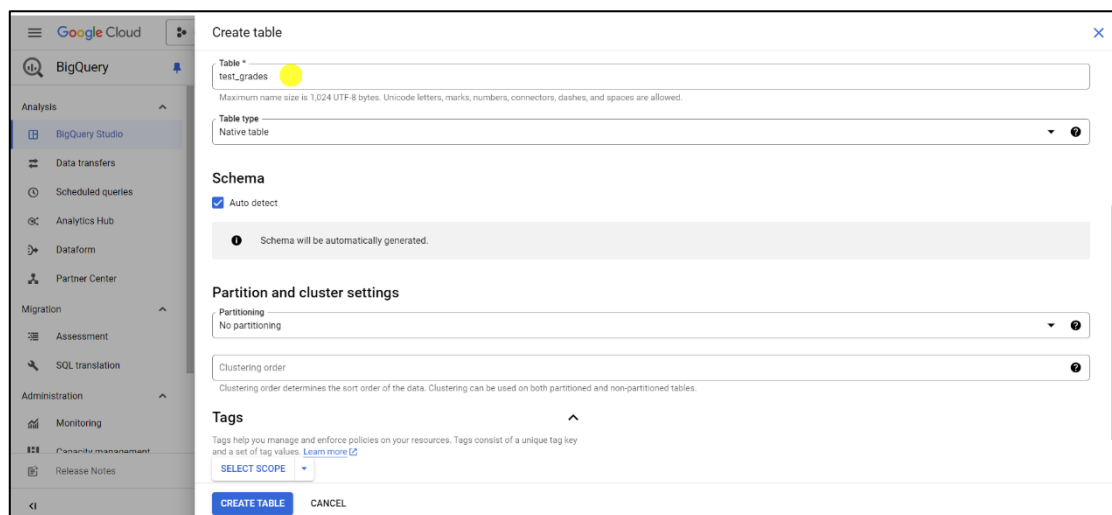
After that you need to upload your dataset so choose Upload.



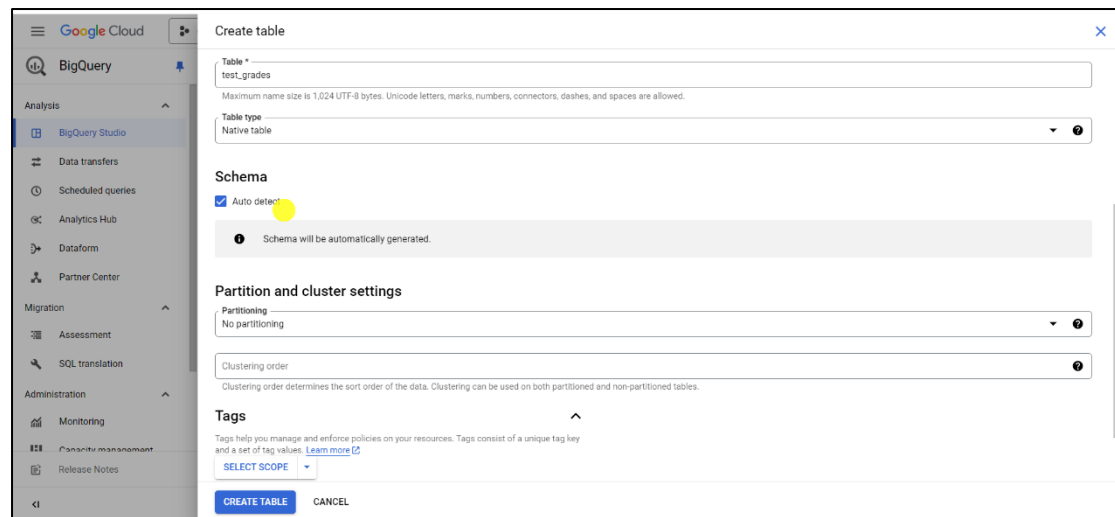
Click on BROWSE and choose the dataset file if you don't have one you can download it from <https://www.kaggle.com/datasets>.



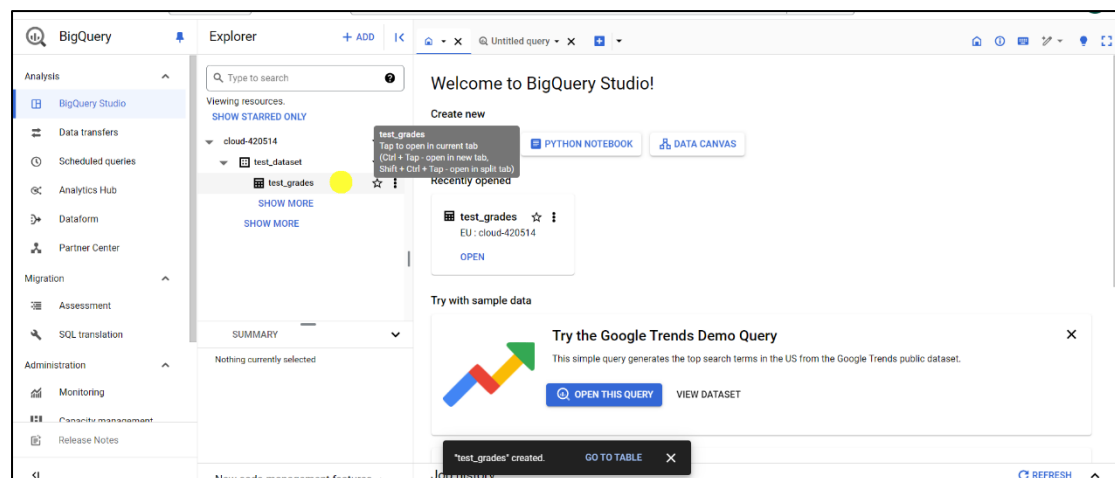
Name the table.



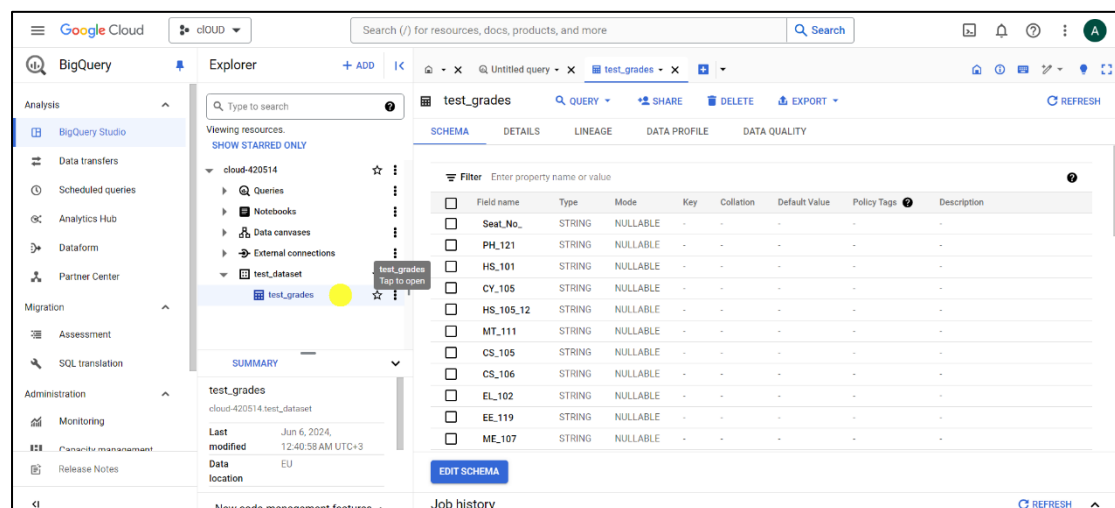
Go to Schema and check Auto detect then click on CREATE TABLE.



The Table has been created.

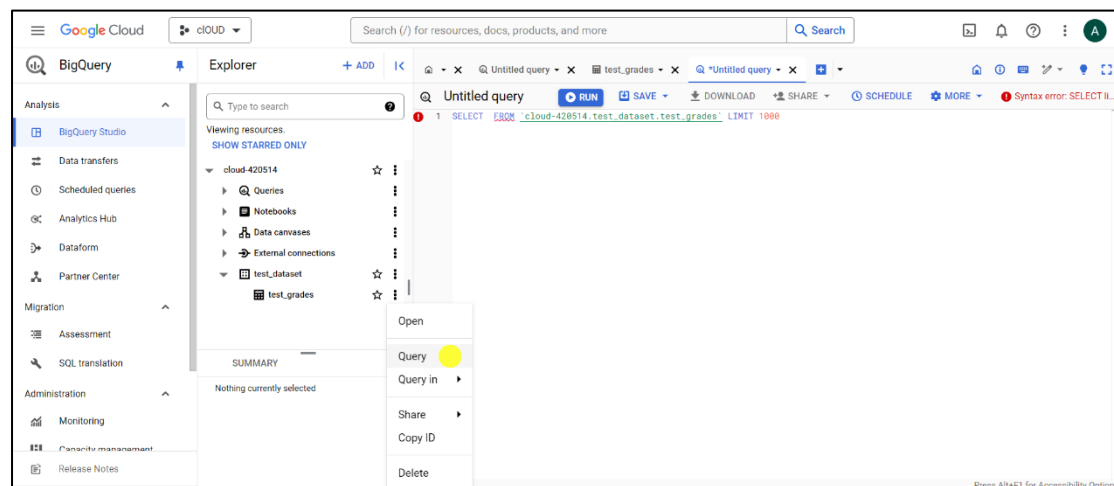


Click on the table to see data

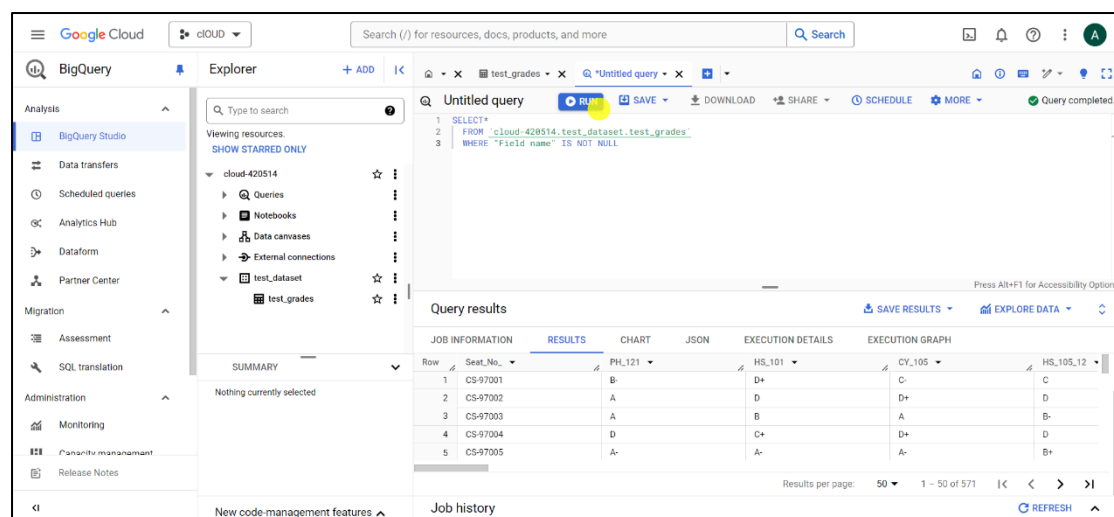


## Creating View:

Let's create a view to see data that I want only click on three dots and choose Query.



Cmd: **WHERE "Field name" IS NOT NULL** to remove null values then click RUN.



To save our view cmd: **CREATE VIEW test\_dataset.grades\_view AS** and click RUN.

The screenshot shows the Google Cloud BigQuery interface. In the 'Explorer' pane on the left, the 'test\_dataset' is expanded, showing 'test\_grades'. The 'Untitled query' editor in the center contains the following SQL code:

```
1 CREATE VIEW test_dataset.grades_view AS
2 SELECT *
3 FROM `cloud-420514.test_dataset.test_grades`
4 WHERE "field name" IS NOT NULL
```

The 'Query results' pane at the bottom displays the results of the query, showing a table with 5 rows and 6 columns: Row, Seat\_No., PH\_121, HS\_101, CY\_105, and HS\_105\_12.

Row	Seat_No.	PH_121	HS_101	CY_105	HS_105_12
1	CS-97901	B-	D+	C-	C
2	CS-97902	A	D	D+	D
3	CS-97903	A	B	A	B-
4	CS-97904	D	C+	D+	D
5	CS-97905	A-	A-	A-	B+

Now the view has been created.

The screenshot shows the Google Cloud BigQuery interface with the 'grades\_view' selected. The 'Schema' tab is active, displaying a table with 10 columns: Field name, Type, Mode, Key, Collation, Default Value, Policy Tags, and Description. The fields are:

Field name	Type	Mode	Key	Collation	Default Value	Policy Tags	Description
Seat_No.	STRING	NULLABLE	-	-	-	-	-
PH_121	STRING	NULLABLE	-	-	-	-	-
HS_101	STRING	NULLABLE	-	-	-	-	-
CY_105	STRING	NULLABLE	-	-	-	-	-
HS_105_12	STRING	NULLABLE	-	-	-	-	-
MT_111	STRING	NULLABLE	-	-	-	-	-
CS_105	STRING	NULLABLE	-	-	-	-	-
CS_106	STRING	NULLABLE	-	-	-	-	-
EL_102	STRING	NULLABLE	-	-	-	-	-
EE_119	STRING	NULLABLE	-	-	-	-	-
ME_107	STRING	NULLABLE	-	-	-	-	-

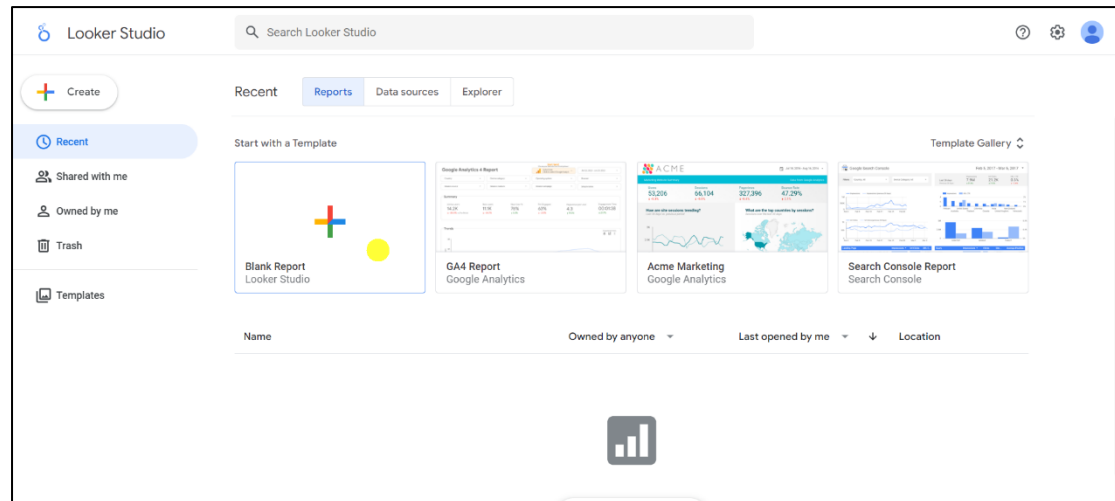
The 'DETAILS' tab is also visible, showing the view's location and last modified date.



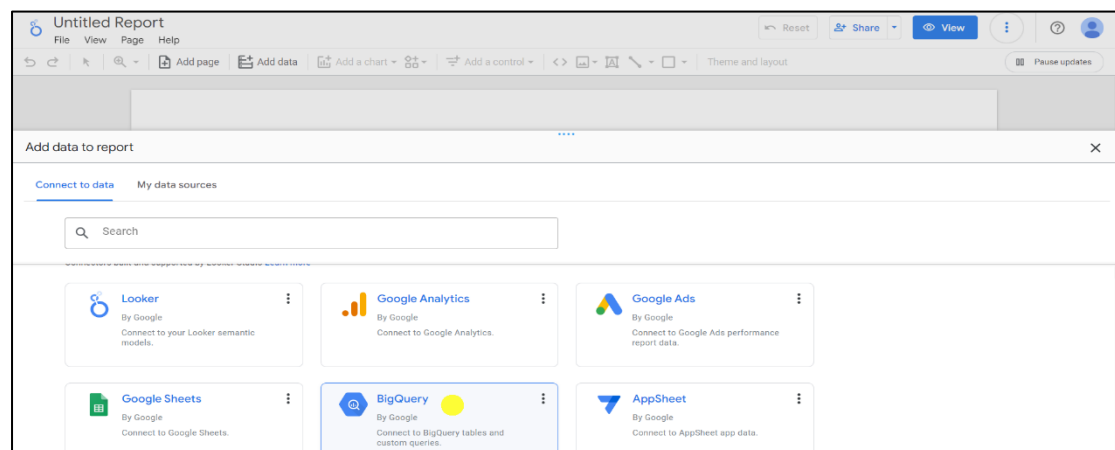
## Crating Charts in Looker studio:

Now we can use our view in Looker studio on this link and click on Blank Report:

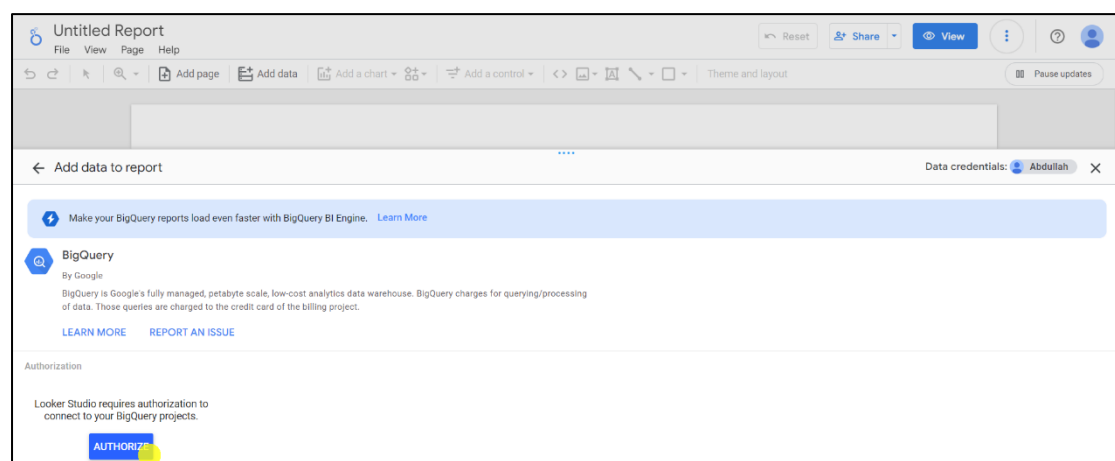
<https://lookerstudio.google.com/u/0/navigation/reporting>



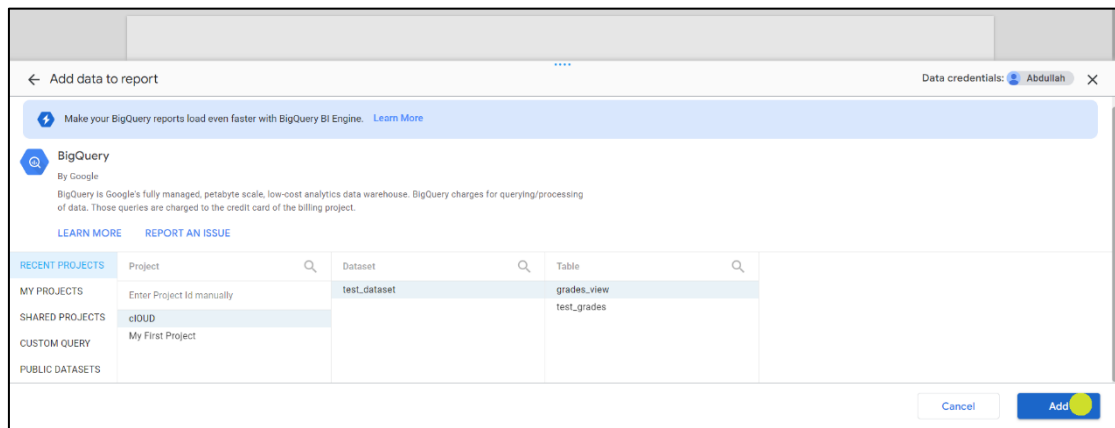
Now click on BigQuery.



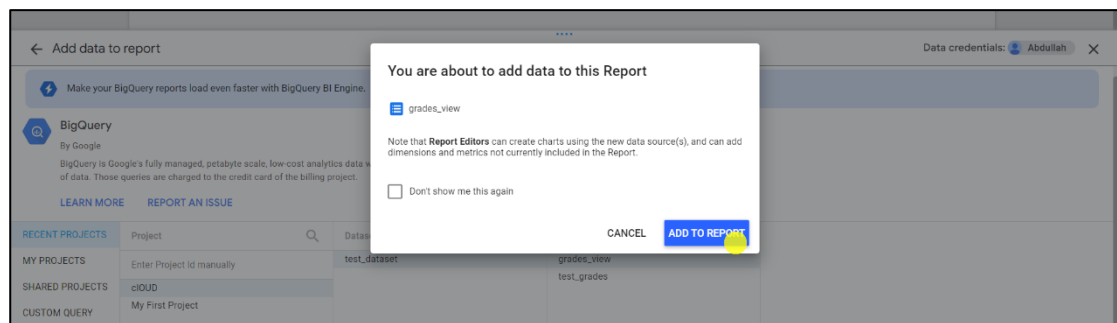
Click on AUTHORIZE



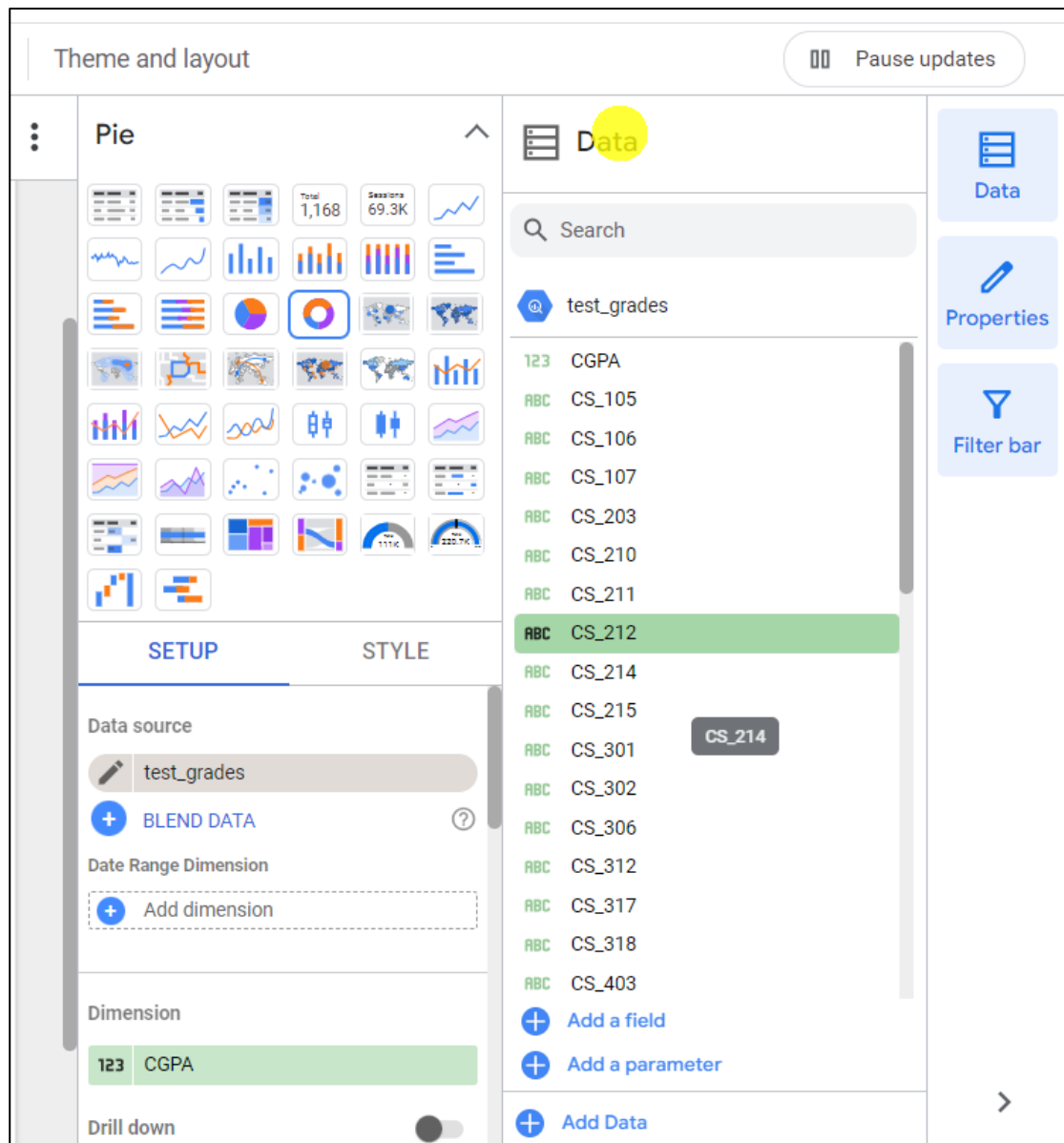
Choose Project, Dataset and Table then click on Add.



Click on ADD TO REPORT.



Now we can see our dataset and make charts.



I hope that the project will help you.