DQLab

live Class

Let's Review Together ☺️

21 October 2023

Bootcamp Data Analyst with SQL and Python using Google Platform

Fundamental SQL Menggunakan Google Big Query

1. DDL : Create, Drop
2. Query Select and combination
3. DML : Insert, Update, Delete
4. Query Date dan Subquery
5. Query Join

Data : Employee

employee_id	first_name	last_name	hire_date
100	Steven	King	1987-06-17
101	Neena	Kochhar	1989-09-21
102	Lex	De Haan	1993-01-13
103	Alexander	Hunold	1990-01-03
104	Bruce	Ernst	1991-05-21
105	David	Austin	1997-06-25
106	Valli	Pataballa	1998-02-05
107	Diana	Lorentz	1999-02-07
108	Nancy	Greenberg	1994-08-17
109	Daniel	Faviet	1994-08-16
110	John	Chen	1997-09-28

...

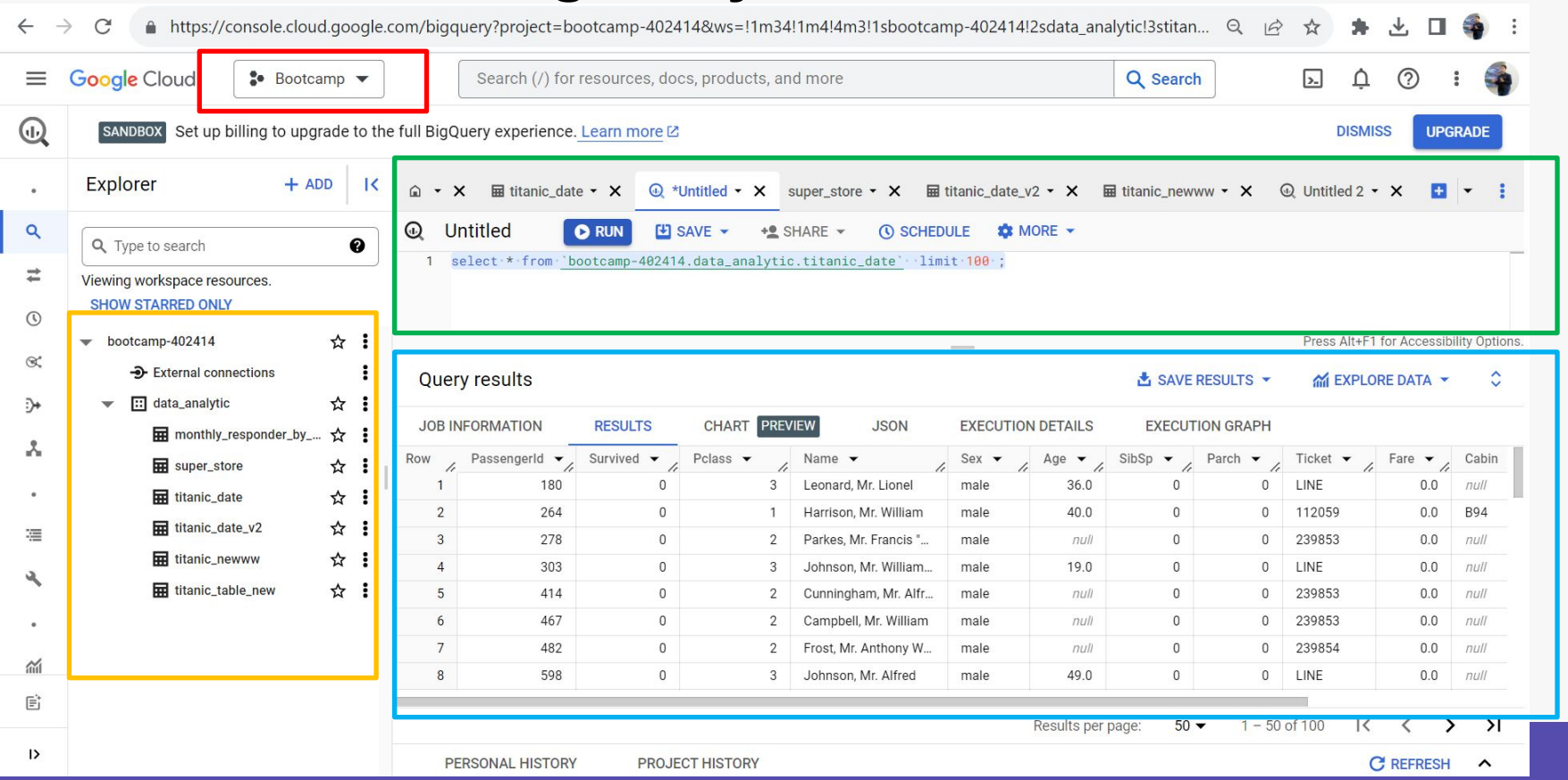
first_name	last_name	salary	salary * 1.05
Steven	King	24000.00	25200.0000
Neena	Kochhar	17000.00	17850.0000
Lex	De Haan	17000.00	17850.0000
Alexander	Hunold	9000.00	9450.0000
Bruce	Ernst	6000.00	6300.0000
David	Austin	4800.00	5040.0000
Valli	Pataballa	4800.00	5040.0000
Diana	Lorentz	4200.00	4410.0000
Nancy	Greenberg	12000.00	12600.0000

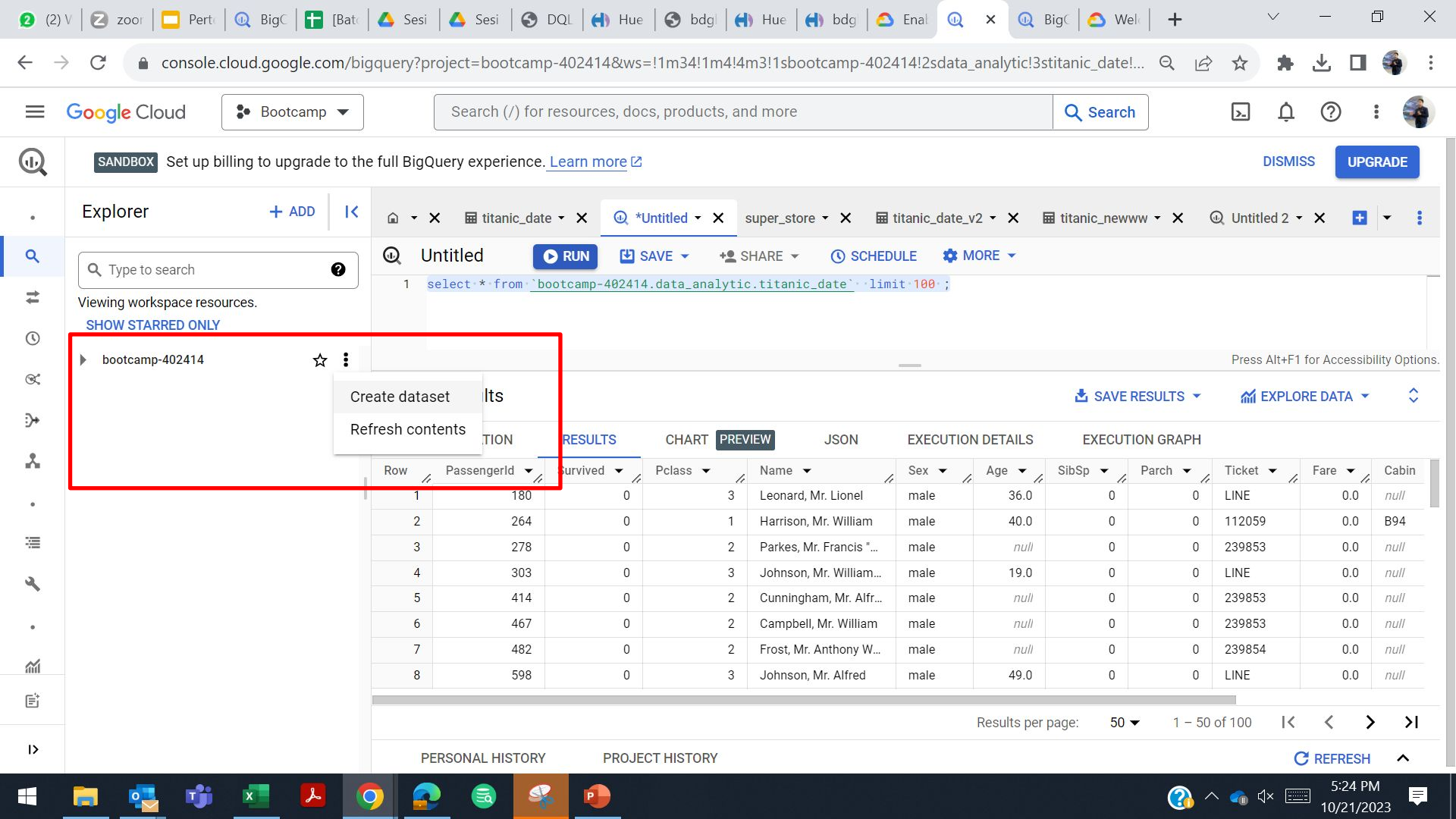
Data : Titanic

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS | EXECUTION GRAPH

Row	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin
1	180	0	3	Leonard, Mr. Lionel	male	36.0	0	0	LINE	0.0	null
2	264	0	1	Harrison, Mr. William	male	40.0	0	0	112059	0.0	B94
3	278	0	2	Parkes, Mr. Francis "...	male	null	0	0	239853	0.0	null
4	303	0	3	Johnson, Mr. William...	male	19.0	0	0	LINE	0.0	null
5	414	0	2	Cunningham, Mr. Alfr...	male	null	0	0	239853	0.0	null
6	467	0	2	Campbell, Mr. William	male	null	0	0	239853	0.0	null
7	482	0	2	Frost, Mr. Anthony W...	male	null	0	0	239854	0.0	null
8	598	0	3	Johnson, Mr. Alfred	male	49.0	0	0	LINE	0.0	null

User Interface - BigQuery




console.cloud.google.com/bigquery?project=bootcamp-402414&ws=!1m34!1m4!4m3!1sbootcamp-402414!2sdata_analytic!3stitanic_date!...
Google Cloud
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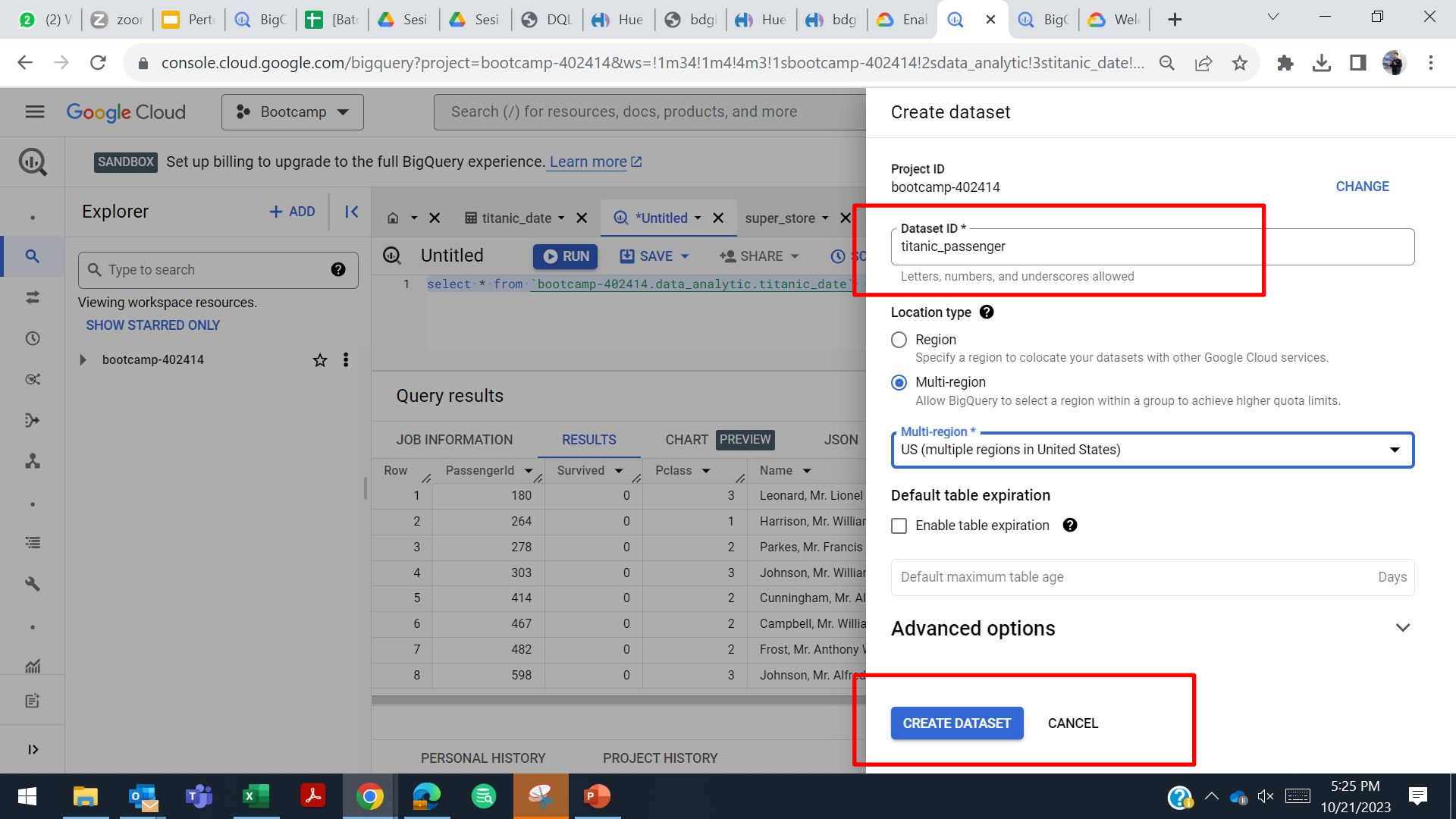
Set up billing to upgrade to the full BigQuery experience. Learn more
DISMISS
UPGRADE
Explorer
+ ADD
Type to search
Viewing workspace resources.
SHOW STARRED ONLY
bootcamp-402414
Create dataset
Refresh contents
titanic_date
*Untitled
super_store
titanic_date_v2
titanic_newww
Untitled 2
Untitled
RUN
SAVE
SHARE
SCHEDULE
MORE
1 select * from `bootcamp-402414.data_analytic.titanic_date` limit 100 ;
Press Alt+F1 for Accessibility Options.
SAVE RESULTS
EXPLORE DATA
RESULTS
CHART
PREVIEW
JSON
EXECUTION DETAILS
EXECUTION GRAPH
Row | PassengerId | Survived | Pclass | Name | Sex | Age | SibSp | Parch | Ticket | Fare | Cabin
1 | 180 | 0 | 3 | Leonard, Mr. Lionel | male | 36.0 | 0 | 0 | LINE | 0.0 | null
2 | 264 | 0 | 1 | Harrison, Mr. William | male | 40.0 | 0 | 0 | 112059 | 0.0 | B94
3 | 278 | 0 | 2 | Parkes, Mr. Francis "... | male | null | 0 | 0 | 239853 | 0.0 | null
4 | 303 | 0 | 3 | Johnson, Mr. William... | male | 19.0 | 0 | 0 | LINE | 0.0 | null
5 | 414 | 0 | 2 | Cunningham, Mr. Alfr... | male | null | 0 | 0 | 239853 | 0.0 | null
6 | 467 | 0 | 2 | Campbell, Mr. William | male | null | 0 | 0 | 239853 | 0.0 | null
7 | 482 | 0 | 2 | Frost, Mr. Anthony W... | male | null | 0 | 0 | 239854 | 0.0 | null
8 | 598 | 0 | 3 | Johnson, Mr. Alfred | male | 49.0 | 0 | 0 | LINE | 0.0 | null
Results per page: 50
1 – 50 of 100
PERSONAL HISTORY
PROJECT HISTORY
REFRESH
5:24 PM
10/21/2023


console.cloud.google.com/bigquery?project=bootcamp-402414&ws=!1m34!1m4!4m3!1sbootcamp-402414!2sdata_analytic!3stitanic_date!...
Google Cloud
Bootcamp
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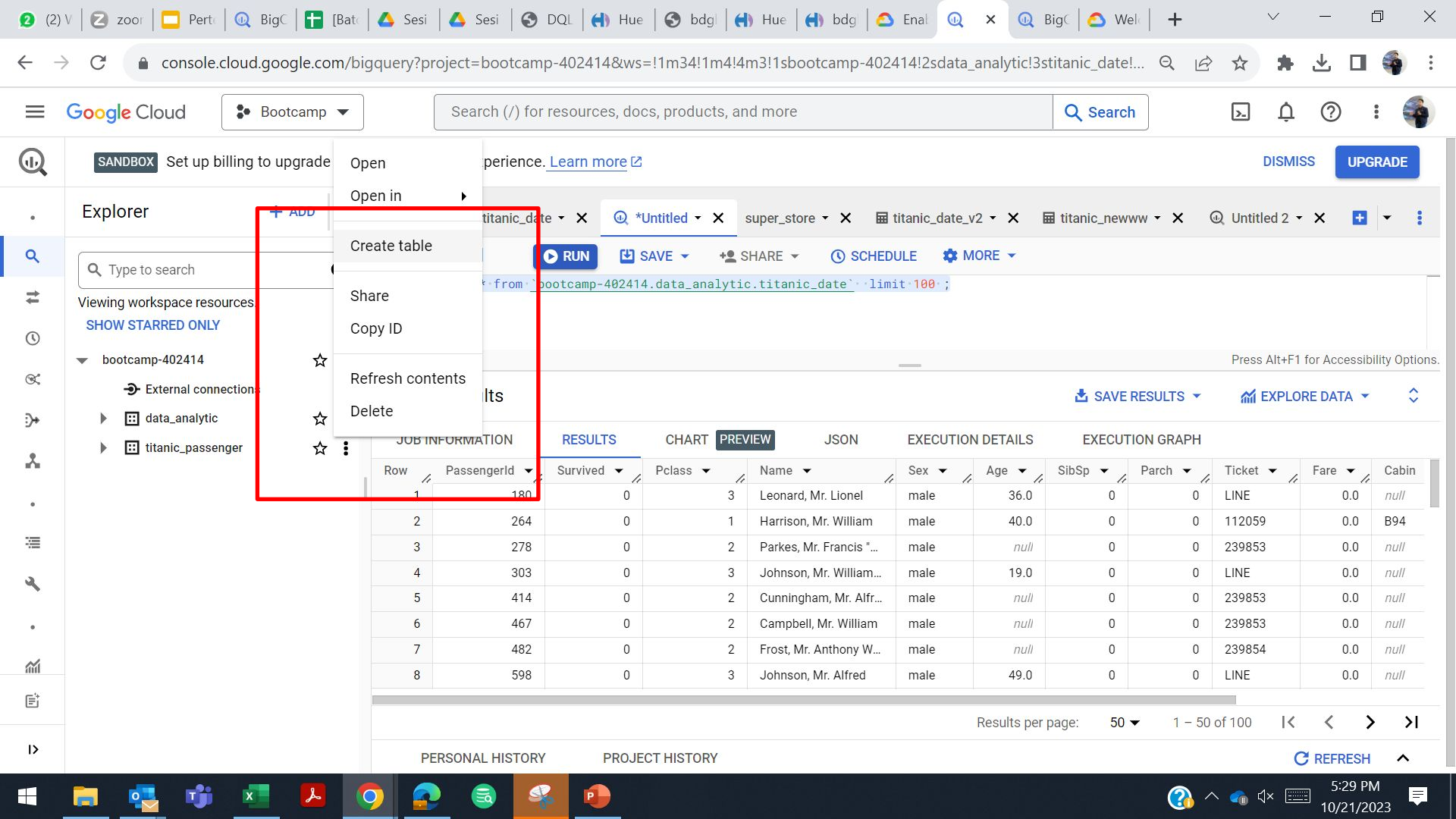
SANDBOX
Set up billing to upgrade to the full BigQuery experience. Learn more
Explorer
+ ADD
Type to search
Viewing workspace resources.
SHOW STARRED ONLY
bootcamp-402414
titanic_date
*Untitled
super_store
Untitled
RUN
SAVE
SHARE
1 select * from `bootcamp-402414.data_analytic.titanic_date`
Query results
JOB INFORMATION
RESULTS
CHART PREVIEW
JSON
Row PassengerId Survived Pclass Name
1 180 0 3 Leonard, Mr. Lionel
2 264 0 1 Harrison, Mr. Willian
3 278 0 2 Parkes, Mr. Francis
4 303 0 3 Johnson, Mr. Willian
5 414 0 2 Cunningham, Mr. Al
6 467 0 2 Campbell, Mr. Willia
7 482 0 2 Frost, Mr. Anthony W
8 598 0 3 Johnson, Mr. Alfre
PERSONAL HISTORY
PROJECT HISTORY
Create dataset
Project ID
bootcamp-402414
CHANGE
Dataset ID *
titanic_passenger
Letters, numbers, and underscores allowed
Location type
Region
Specify a region to colocate your datasets with other Google Cloud services.
Multi-region
Allow BigQuery to select a region within a group to achieve higher quota limits.
Multi-region *
US (multiple regions in United States)
Default table expiration
Enable table expiration
Default maximum table age
Days
Advanced options
CREATE DATASET
CANCEL
5:25 PM
10/21/2023


console.cloud.google.com/bigquery?project=bootcamp-402414&ws=!1m34!1m4!4m3!1sbootcamp-402414!2sdata_analytic!3stitanic_date!...
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Search
SANDBOX
Set up billing to upgrade
perience. Learn more
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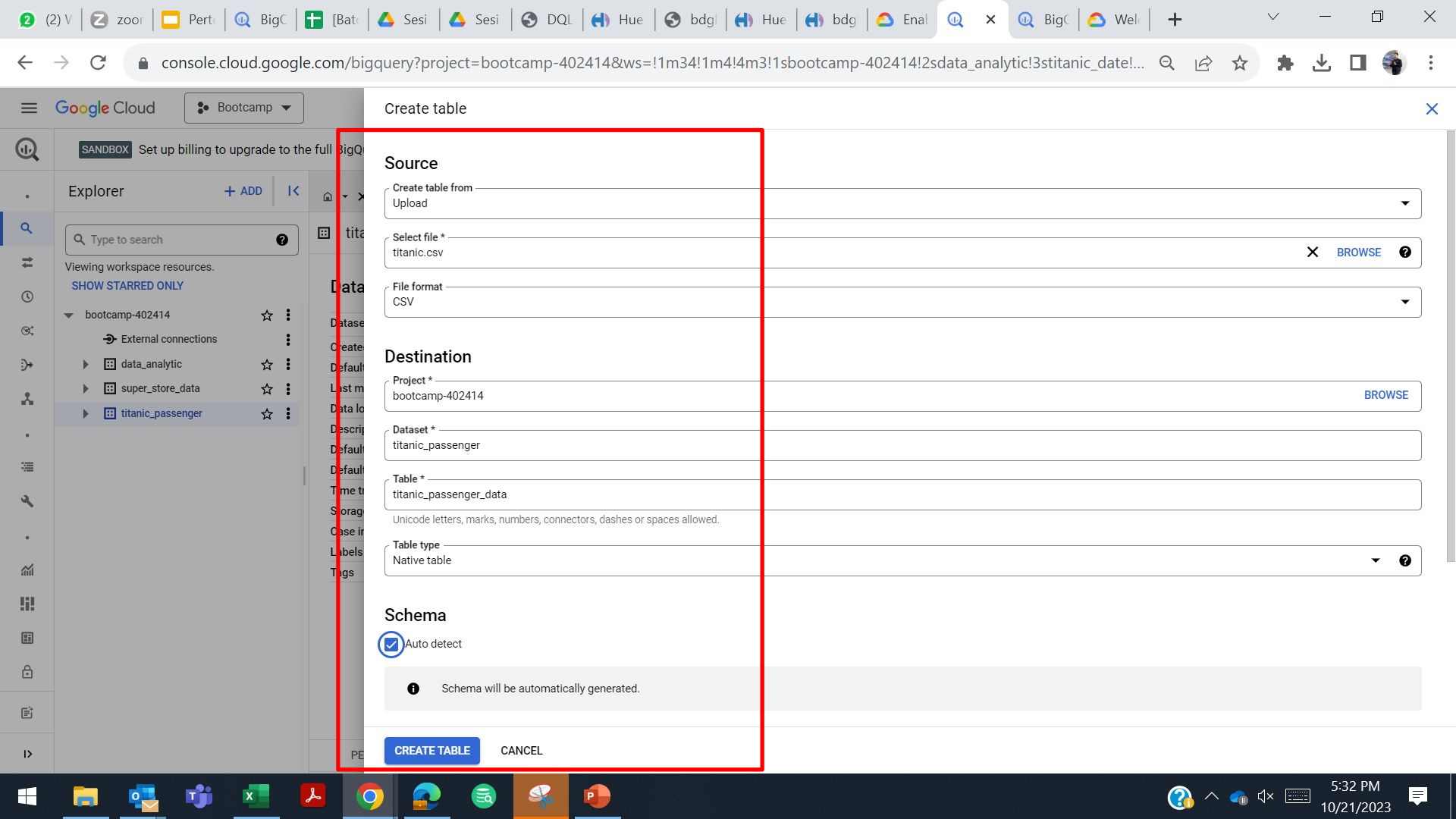
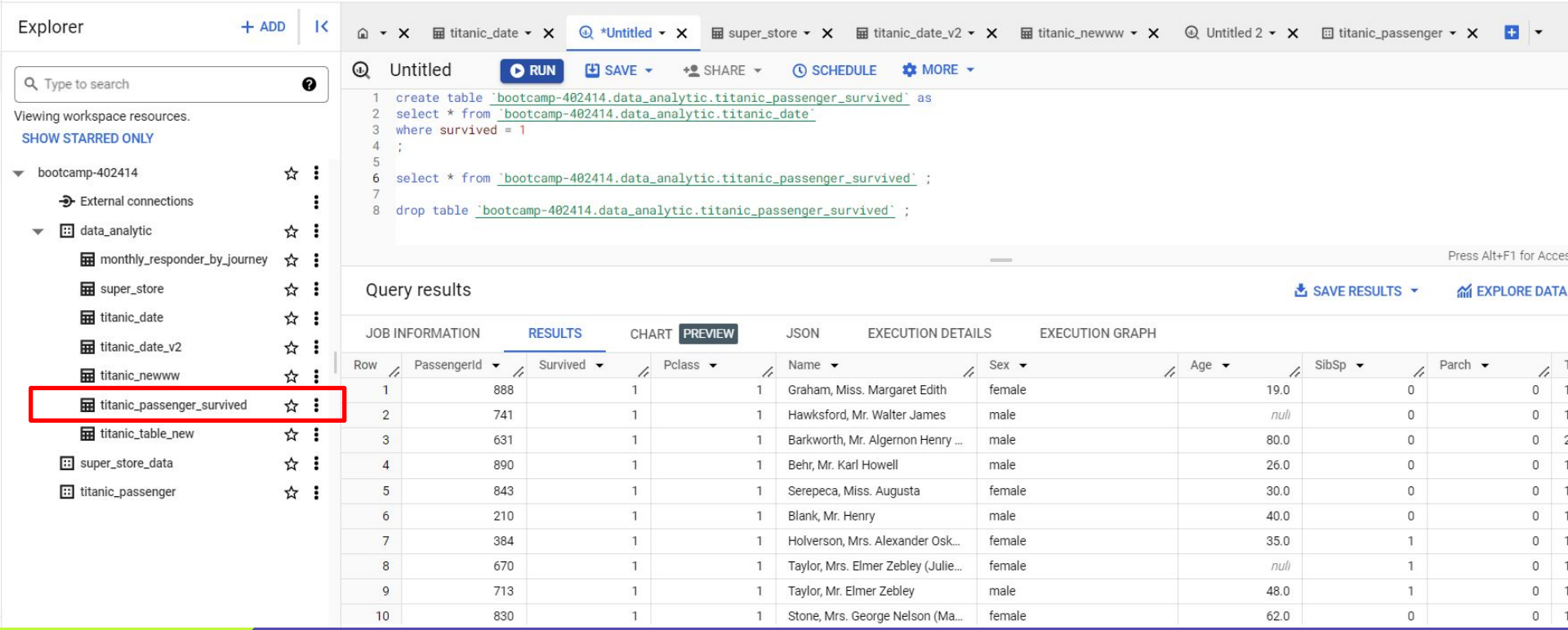
UPGRADE
Explorer
ADD
Type to search
Viewing workspace resources
SHOW STARRED ONLY
bootcamp-402414
External connections
data_analytic
titanic_passenger
Open
Open in
Create table
Share
Copy ID
Refresh contents
Delete
titanic_date
*Untitled
super_store
titanic_date_v2
titanic_newww
Untitled 2
RUN
SAVE
SHARE
SCHEDULE
MORE
from `bootcamp-402414.data_analytic.titanic_date` limit 100 ;
Press Alt+F1 for Accessibility Options.
lts
SAVE RESULTS
EXPLORE DATA
JOB INFORMATION
RESULTS
CHART
PREVIEW
JSON
EXECUTION DETAILS
EXECUTION GRAPH
Row PassengerId Survived Pclass Name Sex Age SibSp Parch Ticket Fare Cabin
1 180 0 3 Leonard, Mr. Lionel male 36.0 0 0 LINE 0.0 null
2 264 0 1 Harrison, Mr. William male 40.0 0 0 112059 0.0 B94
3 278 0 2 Parkes, Mr. Francis "... male null 0 0 239853 0.0 null
4 303 0 3 Johnson, Mr. William... male 19.0 0 0 LINE 0.0 null
5 414 0 2 Cunningham, Mr. Alfr... male null 0 0 239853 0.0 null
6 467 0 2 Campbell, Mr. William male null 0 0 239853 0.0 null
7 482 0 2 Frost, Mr. Anthony W... male null 0 0 239854 0.0 null
8 598 0 3 Johnson, Mr. Alfred male 49.0 0 0 LINE 0.0 null
Results per page: 50
1 – 50 of 100
PERSONAL HISTORY
PROJECT HISTORY
REFRESH
5:29 PM
10/21/2023


Create table
Source
Create table from
Upload
Select file *
titanic.csv
BROWSE
File format
CSV
Destination
Project *
bootcamp-402414
BROWSE
Dataset *
titanic_passenger
Table *
titanic_passenger_data
Unicode letters, marks, numbers, connectors, dashes or spaces allowed.
Table type
Native table
Schema
Auto detect
Schema will be automatically generated.
CREATE TABLE
CANCEL
Explorer
+ ADD
Type to search
Viewing workspace resources.
SHOW STARRED ONLY
bootcamp-402414
External connections
data_analytic
super_store_data
titanic_passenger
Google Cloud
Bootcamp
SANDBOX
Set up billing to upgrade to the full
console.cloud.google.com/bigquery?project=bootcamp-402414&ws=!1m34!1m4!4m3!1sbootcamp-402414!2sdata_analytic!3stitanic_date!...
5:32 PM
10/21/2023

DDL – Create and Drop Table



DDL – Select all columns

Untitled RUN SAVE SHARE SCHEDULE MORE

```
1  select * from `bootcamp-402414.data_analytic.titanic_date` ;
```

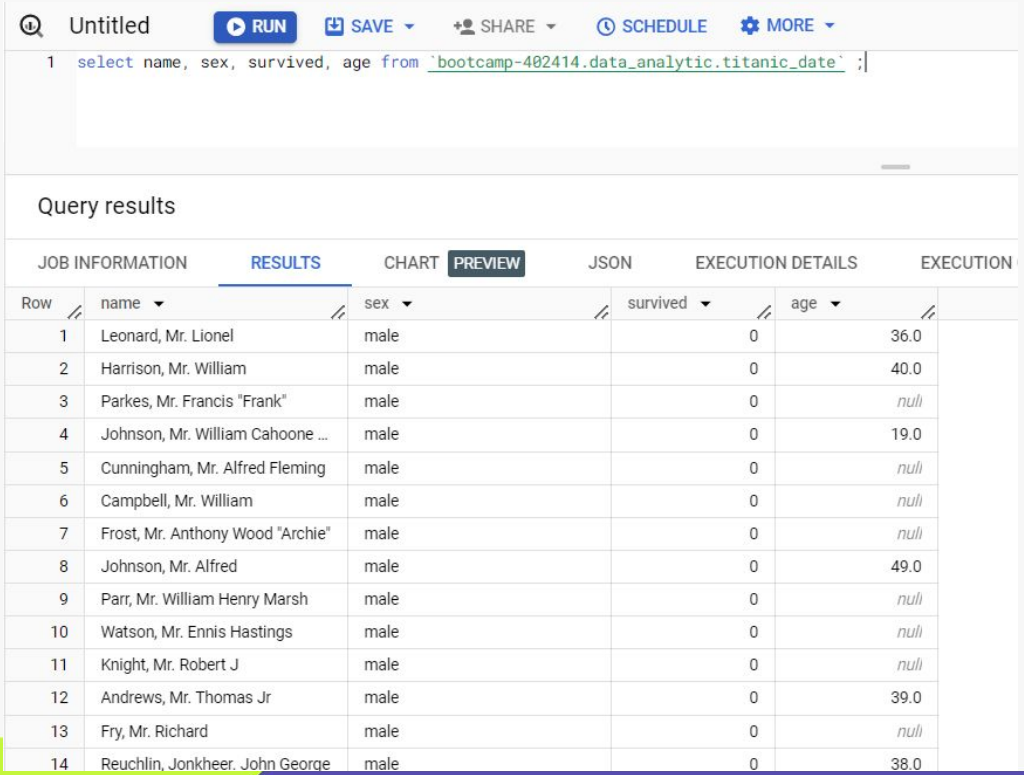
Press Alt+F1 for Acce

Query results SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS | EXECUTION GRAPH

Row	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
1	180	0	3	Leonard, Mr. Lionel	male	36.0	0	0	LINE	0.0	null	S
2	264	0	1	Harrison, Mr. William	male	40.0	0	0	112059	0.0	B94	S
3	278	0	2	Parkes, Mr. Francis "...	male	null	0	0	239853	0.0	null	S
4	303	0	3	Johnson, Mr. William...	male	19.0	0	0	LINE	0.0	null	S
5	414	0	2	Cunningham, Mr. Alfr...	male	null	0	0	239853	0.0	null	S
6	467	0	2	Campbell, Mr. William	male	null	0	0	239853	0.0	null	S
7	482	0	2	Frost, Mr. Anthony W...	male	null	0	0	239854	0.0	null	S
8	598	0	3	Johnson, Mr. Alfred	male	49.0	0	0	LINE	0.0	null	S
9	634	0	1	Parr, Mr. William Hen...	male	null	0	0	112052	0.0	null	S
10	675	0	2	Watson, Mr. Ennis H...	male	null	0	0	239856	0.0	null	S
11	733	0	2	Knight, Mr. Robert J	male	null	0	0	239855	0.0	null	S
12	807	0	1	Andrews, Mr. Thoma...	male	39.0	0	0	112050	0.0	A36	S
13	816	0	1	Fry, Mr. Richard	male	null	0	0	112058	0.0	B102	S

DDL – Select spesific columns



Row	name	sex	survived	age
1	Leonard, Mr. Lionel	male	0	36.0
2	Harrison, Mr. William	male	0	40.0
3	Parkes, Mr. Francis "Frank"	male	0	null
4	Johnson, Mr. William Cahoone ...	male	0	19.0
5	Cunningham, Mr. Alfred Fleming	male	0	null
6	Campbell, Mr. William	male	0	null
7	Frost, Mr. Anthony Wood "Archie"	male	0	null
8	Johnson, Mr. Alfred	male	0	49.0
9	Parr, Mr. William Henry Marsh	male	0	null
10	Watson, Mr. Ennis Hastings	male	0	null
11	Knight, Mr. Robert J	male	0	null
12	Andrews, Mr. Thomas Jr	male	0	39.0
13	Fry, Mr. Richard	male	0	null
14	Reuchlin, Jonkheer. John George	male	0	38.0

DDL – Select + Where

Untitled RUN SAVE SHARE SCHEDULE MORE

```
1  select name, sex, survived, age from `bootcamp-402414.data_analytic.titanic_date`
2  where survived = 1 ;
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS | EXECUTION GR

Row	name	sex	survived	age
1	Tornquist, Mr. William Henry	male	1	25.0
2	Landergren, Miss. Aurora Adelia	female	1	22.0
3	Glynn, Miss. Mary Agatha	female	1	null
4	O'Driscoll, Miss. Bridget	female	1	null
5	Nysten, Miss. Anna Sofia	female	1	22.0
6	Madigan, Miss. Margaret "Mag...	female	1	null
7	Carr, Miss. Helen "Ellen"	female	1	16.0
8	Healy, Miss. Hanora "Nora"	female	1	null
9	Connolly, Miss. Kate	female	1	22.0
10	Kelly, Miss. Anna Katherine "An...	female	1	null

DDL – Select + Aggregation + Combination

Untitled RUN SAVE SHARE SCHEDULE MORE

```
1  select sex, survived
2  , count(*) as total_passenger
3  , avg(age) as avg_age
4  , min(age) as min_age
5  , max(age) as max_age
6  from `bootcamp-402414.data_analytic.titanic_date`
7  where survived = 1
8  group by sex, survived ;
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS | EXECUTION GRAPH

Row	sex	survived	total_passenger	avg_age	min_age	max_age
1	male	1	109	27.27602150537...	0.42	80.0
2	female	1	233	28.84771573604...	0.75	63.0

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Konsep dasar SQL : DML

Sesi 2-Bootcamp Data Analyst with SQL and Python using Google Platform

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DML

Data Manipulation Language

Memahami perintah DML

Data Manipulation Language (DML) adalah perintah SQL untuk manipulasi data dalam table

Perintah DML antara lain

- INSERT -> menambah record di database
- UPDATE -> mengubah record di database
- DELETE -> menghapus record di database

SQL INSERT statement

Untuk menyisipkan satu baris ke dalam sebuah tabel, Anda menggunakan sintaks berikut dari pernyataan INSERT.

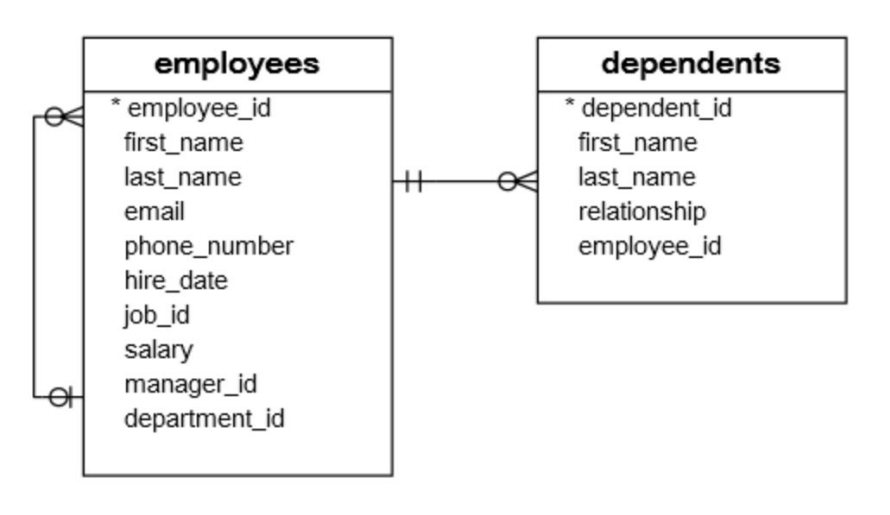
```
INSERT INTO table1
VALUES
        (value1, value2,...);
```

```
INSERT INTO table1 (column1, column2,...)
VALUES
        (value1, value2,...);
```

```
INSERT INTO (column1, column3)
VALUES
        (column1, column3);
```

Contoh SQL INSERT statement

Untuk menyisipkan baris baru ke tabel “dependents”.




```
INSERT INTO dependents (
        first_name,
        last_name,
        relationship,
        employee_id
)
VALUES
        (
                'Dustin',
                'Johnson',
                'Child',
                178
        );
```

SQL Multiple INSERT statement

Untuk menyisipkan banyak baris menggunakan satu pernyataan INSERT, Anda menggunakan konstruk berikut:

```
INSERT INTO table1
VALUES
        (value1, value2,...),
        (value1, value2,...),
        (value1, value2,...),
        ...;
```

Contoh SQL Multiple INSERT statement

Misalnya, untuk menyisipkan dua baris ke tabel tanggungan, Anda menggunakan query berikut.

```
INSERT INTO dependents (
        first_name,
        last_name,
        relationship,
        employee_id
)
VALUES
        (
                'Cameron',
                'Bell',
                'Child',
                192
        ),
        (
                'Michelle',
                'Bell',
                'Child',
                192
        );
```

SQL INSERT dari select statement

Kita dapat menggunakan pernyataan INSERT untuk query data dari satu atau beberapa tabel dan menyisipkannya ke dalam tabel lain sebagai berikut:

```
INSERT INTO table1 (column1, column2)
SELECT
        column1,
        column2
FROM
        table2
WHERE
        condition1;
```

Contoh SQL INSERT dari select statement

Misalnya, Kita memiliki tabel bernama dependents_archive yang memiliki struktur yang sama dengan tabel dependen. Pernyataan berikut menyalin semua baris dari tabel dependen ke tabel dependents_archive.

```
INSERT INTO dependents_archive
SELECT
        *
FROM
        dependents;
```

UPDATE statement

Untuk mengubah data yang sudah ada dalam sebuah tabel, Anda menggunakan pernyataan UPDATE. Berikut adalah sintaks dari pernyataan UPDATE:

```
UPDATE table_name
SET column1 = value1,
 column2 = value2
WHERE
        condition;
```

Dalam sintaks di atas:

Pertama, tentukan tabel yang ingin Anda perbarui dalam klausa UPDATE.

Kedua, tentukan kolom-kolom yang ingin Anda ubah nilainya dalam klausa SET. Kolom-kolom yang tidak terdaftar dalam klausa SET akan mempertahankan nilai-nilai aslinya.

Ketiga, tentukan baris-baris yang ingin Anda perbarui dalam klausa WHERE.

Contoh UPDATE statement

Kita akan menggunakan tabel employee dan dependents untuk menunjukkan pernyataan UPDATE. Misalkan id karyawan 192 Sarah Bell mengubah nama belakangnya dari Bell menjadi Lopez dan Anda perlu memperbarui catatannya di tabel employee.

	employee_id	first_name	last_name
▶	192	Sarah	Bell

	employee_id	first_name	last_name
	192	Sarah	Lopez

```
UPDATE employees
SET
    last_name = 'Lopez'
WHERE
    employee_id = 192;
```

DELETE Syntax

Untuk menghapus satu atau lebih baris dari sebuah tabel, Anda menggunakan pernyataan DELETE. Sintaks umum dari pernyataan DELETE adalah sebagai berikut:

```
DELETE
FROM
        table_name
WHERE
        condition;
```

Pertama, berikan nama tabel di mana Anda ingin menghapus baris-baris.

Kedua, tentukan kondisi dalam klausa WHERE untuk mengidentifikasi baris-baris yang perlu dihapus. Jika Anda mengabaikan klausa WHERE, semua baris dalam tabel akan dihapus. Oleh karena itu, Anda harus selalu menggunakan pernyataan DELETE dengan hati-hati.

Contoh DELETE Syntax

Kita akan menggunakan tabel karyawan dan tanggungan untuk mendemonstrasikan pernyataan DELETE.
Misalkan David, yang memiliki id karyawan 105, ingin menghapus Fred dari daftar dependents. Kita tahu bahwa Fred memiliki id dependen 16, jadi kita gunakan pernyataan DELETE berikut untuk menghapus Fred dari tabel dependents.

```
DELETE FROM dependents
WHERE
    dependent_id = 16;
```

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Lets Go to Explore BigQuery

Untitled RUN SAVE SHARE SCHEDULE MORE

```
8
9  SELECT subs_no, brand, chi_segment_2
10 FROM `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final`
11 WHERE date_id = "2023-10-15"
12 LIMIT 100 ;
13
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS

Row	subs_no	brand	chi_segment_2
1	2142307573	1	2. Loyal Customer
2	2140236547	1	3. Happy New Customer
3	2143045653	1	5. Need Stimulation
4	2141019428	1	5. Need Stimulation
5	2139489875	1	5. Need Stimulation
6	2139300416	1	5. Need Stimulation
7	2141133680	1	1. Super Happy Customer
8	2142871727	1	1. Super Happy Customer
9	2140877081	1	2. Loyal Customer
10	2139647263	1	5. Need Stimulation
11	2139893845	1	5. Need Stimulation
12	2139313588	1	3. Happy New Customer
13	2140441250	1	2. Loyal Customer
14	2139532911	1	1. Super Happy Customer
15	2140990717	1	5. Need Stimulation

```sql
SELECT brand, chi_segment_2, count(*) as total_subs
FROM `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final`
WHERE date_id = "2023-10-15"
group by 1,2 order by 1,2 ;
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS | E

Row	brand	chi_segment_2	total_subs
1	1	1. Super Happy Customer	5899936
2	1	2. Loyal Customer	4533901
3	1	3. Happy New Customer	1889054
4	1	4. Cant Lose Them	688312
5	1	5. Need Stimulation	6494431
6	1	6. Potential Loyalist	1985416
7	1	7. Recent Customer	1988022
8	1	8. New Needing Attention	405907
9	1	9. At Risk Customer	898545
10	2	1. Super Happy Customer	7053093
11	2	2. Loyal Customer	3209101
12	2	3. Happy New Customer	908333
13	2	4. Cant Lose Them	390000
14	2	5. Need Stimulation	6406847
15	2	6. Potential Loyalist	2086595
16	2	7. Recent Customer	2152186
17	2	8. New Needing Attention	204326
18	2	9. At Risk Customer	1399392

```sql
drop table if exists `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final_trial` ;
create table `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final_trial`
as
select subs_no, brand, chi_segment_2
from `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final`
where date_id = "2023-10-15" and brand = 1 and chi_segment_2 = '1. Super Happy Customer'
limit 5
;

select * from `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final_trial` ;
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS | EXECUTION GRAPH

Row	subs_no	brand	chi_segment_2
1	841044446	1	1. Super Happy Customer
2	840329346	1	1. Super Happy Customer
3	842005260	1	1. Super Happy Customer
4	841093326	1	1. Super Happy Customer
5	849551356	1	1. Super Happy Customer

```
30  --------- Insert Into from Table
31
32  insert into `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final_trial`
33  select subs_no, brand, chi_segment_2
34  from `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final`
35  where date_id = "2023-10-15" and brand = 2 and chi_segment_2 = '9. At Risk Customer'
36  limit 5
37  ;
38
39  select * from `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final_trial` ;
40
```

Query results

JOB INFORMATION | RESULTS | CHART | PREVIEW | JSON | EXECUTION DETAILS | EXECUTI

Row	subs_no	brand	chi_segment_2
1	841044446	1	1. Super Happy Customer
2	840329346	1	1. Super Happy Customer
3	842005260	1	1. Super Happy Customer
4	841093326	1	1. Super Happy Customer
5	849551356	1	1. Super Happy Customer
6	2143911349	2	9. At Risk Customer
7	2143785330	2	9. At Risk Customer
8	2138971968	2	9. At Risk Customer
9	2143525152	2	9. At Risk Customer
10	2141634235	2	9. At Risk Customer

```
41  --------- Delete from Table with Condition
42
43  delete from `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final_trial`
44  where brand = 1 ;
45
46  select * from `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final_trial` ;
47
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS | EXECUTION GRAP

Row	subs_no	brand	chi_segment_2
1	2143911349	2	9. At Risk Customer
2	2143785330	2	9. At Risk Customer
3	2138971968	2	9. At Risk Customer
4	2143525152	2	9. At Risk Customer
5	2141634235	2	9. At Risk Customer

```
54
55  ---------- Insert into manually
56
57  insert into `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final_trial`
58  values
59  (111111111,1,'1. Super Happy Customer') ,
60  (222222222,2,'2. Loyal Customer') ,
61  (333333333,2,'1. Super Happy Customer') ,
62  (444444444,2,'9. At Risk Customer') ,
63  (555555555,1,'9. At Risk Customer')
64  ;
65
66  select * from `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final_trial` ;
67
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS | EXECUTION GRAPH

Row	subs_no	brand	chi_segment_2
1	222222222	2	2. Loyal Customer
2	444444444	2	9. At Risk Customer
3	555555555	1	9. At Risk Customer
4	111111111	1	1. Super Happy Customer
5	333333333	2	1. Super Happy Customer

```
---------- Query Update

update `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final_trial`
set
  chi_segment_2 = '3. Happy New Customer'
where
  subs_no = 222222222
;

select * from `cvm-cloud-dwh-prod-4383.prd_cvm_analytic_tb.cx_chi_segmentation_final_trial` ;
```

Query results

JOB INFORMATION | RESULTS | CHART | PREVIEW | JSON | EXECUTION DETAILS | EXECUTIO

Row	subs_no	brand	chi_segment_2
1	222222222	2	3. Happy New Customer
2	555555555	1	9. At Risk Customer
3	111111111	1	1. Super Happy Customer
4	333333333	2	1. Super Happy Customer
5	444444444	2	9. At Risk Customer