

PROJECT HEADLINE

Analyze Data Job Categoryes

A World of Data: A Breakdown of Key Job Roles



PROJECT OVERVIEW

Data job categories are different from technical tools like SQL and Power BI.

- 01 Data job categories refer to different roles within the data field, such as Data Analyst, Data Scientist, Data Engineer, etc.
- 02 SQL and Power BI are tools used within these roles to work with data.



For a presentation on SQL and Power BI for Data Analysis:

- Unleashing the Power of SQL and Power BI**
- Data-Driven Decision Making with SQL and Power BI**
- From Data to Insights: A SQL and Power BI Journey**

Building a Robust Data Analytics Stack with SQL and Power BI

For a presentation on SQL and Power BI for Data Analysis:

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Building a Robust Data Analytics Stack with SQL and Power BI

Step By Step Project Presentation

Step 1

Create Database
Name
data_indata2y
apply
Or
Appy Sql Screat
in Data Base

Step 2

In after
Database import
Table Data
Import in Wizard
Open In File
Loaction

Step 3

Table Import
Configration
Import Settings
Detact the File Csv
Format and select the
All Columns and Move
next

Step 4

Table Data
Import Selection
Distension
Create New Table
CClick Next

Step 5

The Work
Project Select
Query Select all
The Columns
Work With
Calculation
Method use
Count And Sum
Function
and Last used Group
By function

Step By Step Project Presentation

Step 6

Output Show with All Cloum SHow Ouptputlike WorkYear & Job Category Etc And SUM Mulyiply Operation are to be used Compandany Size and Number of Salary

Step7

And Export to Sql To in Csv Format Given File Name Job_data2.csv
and The File In their in Csv Format

Step 8

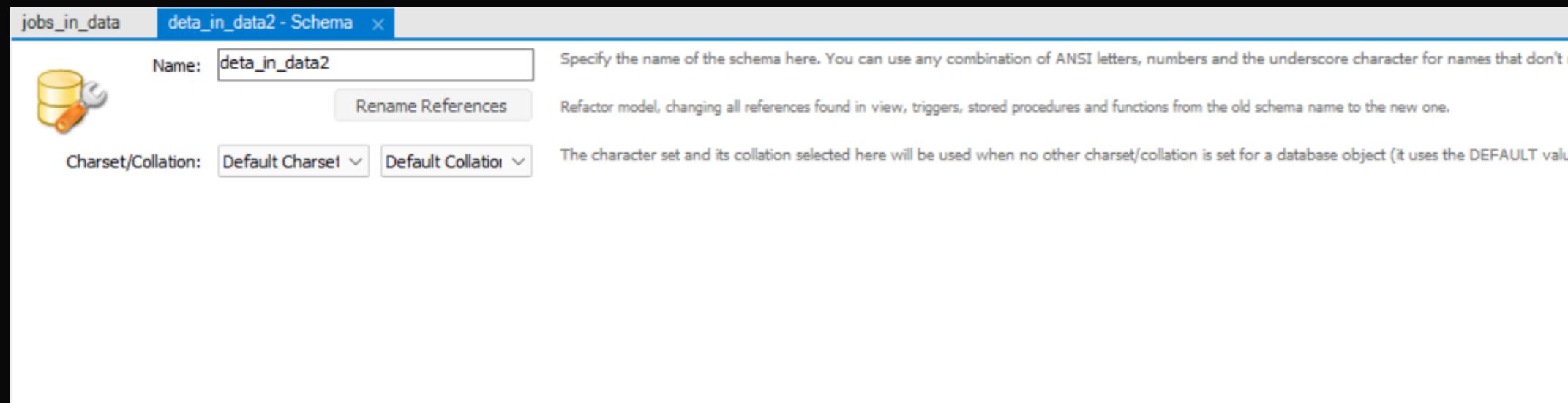
To Work In PowerBI Get Connect the File In Csv Text

Step 9

After Make Report For their Data Job Analyses Report

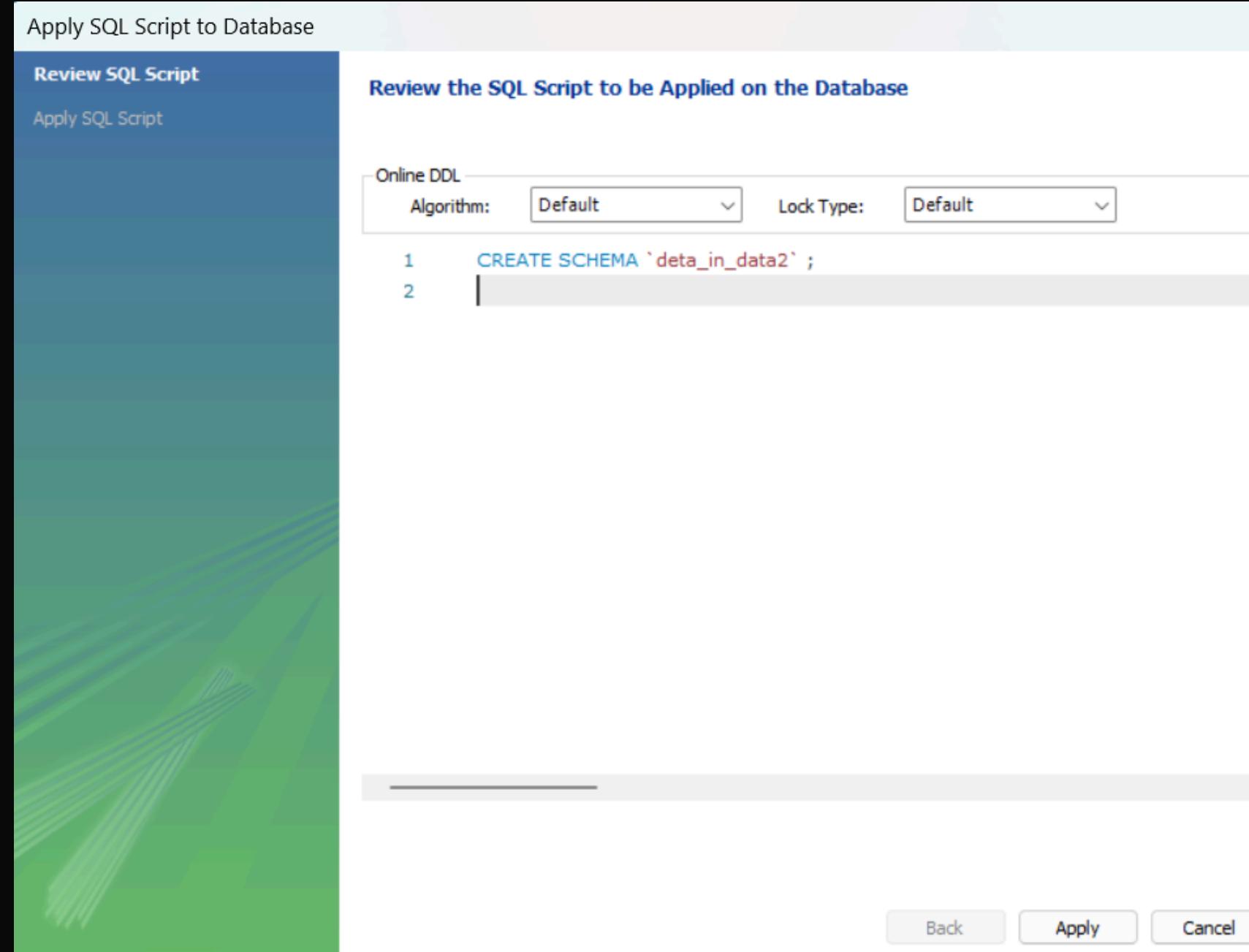
Step10

Make a Different Charts Like Funnel Chart,Stack Area Chart and Also Bar Chart
Used IN therSlicers also For Their Kpi Some Visualize the Report And Ready ANalyse The Data



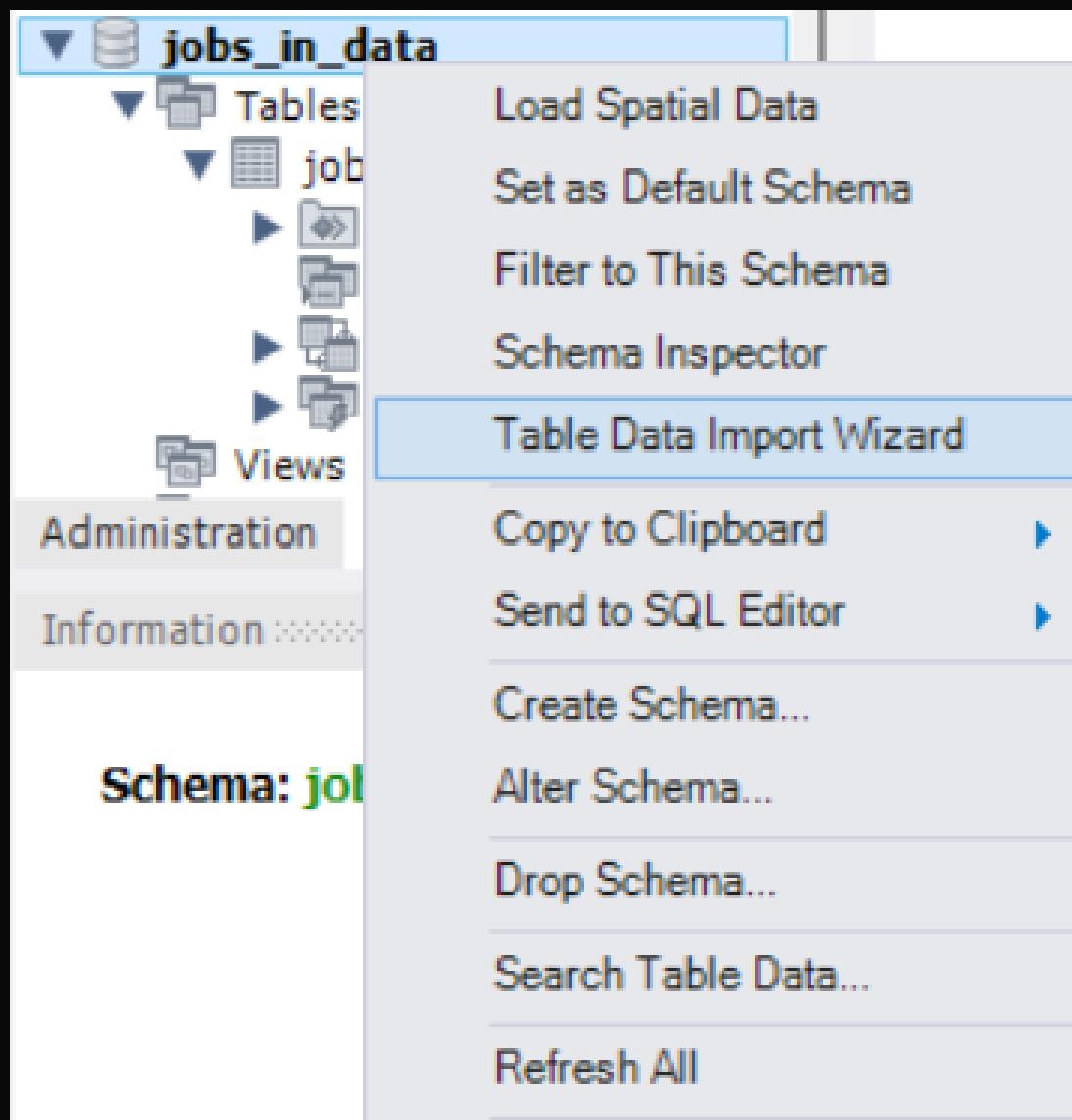
CREATE A DATA BASE

Given The Name Schema
Data_in Data2



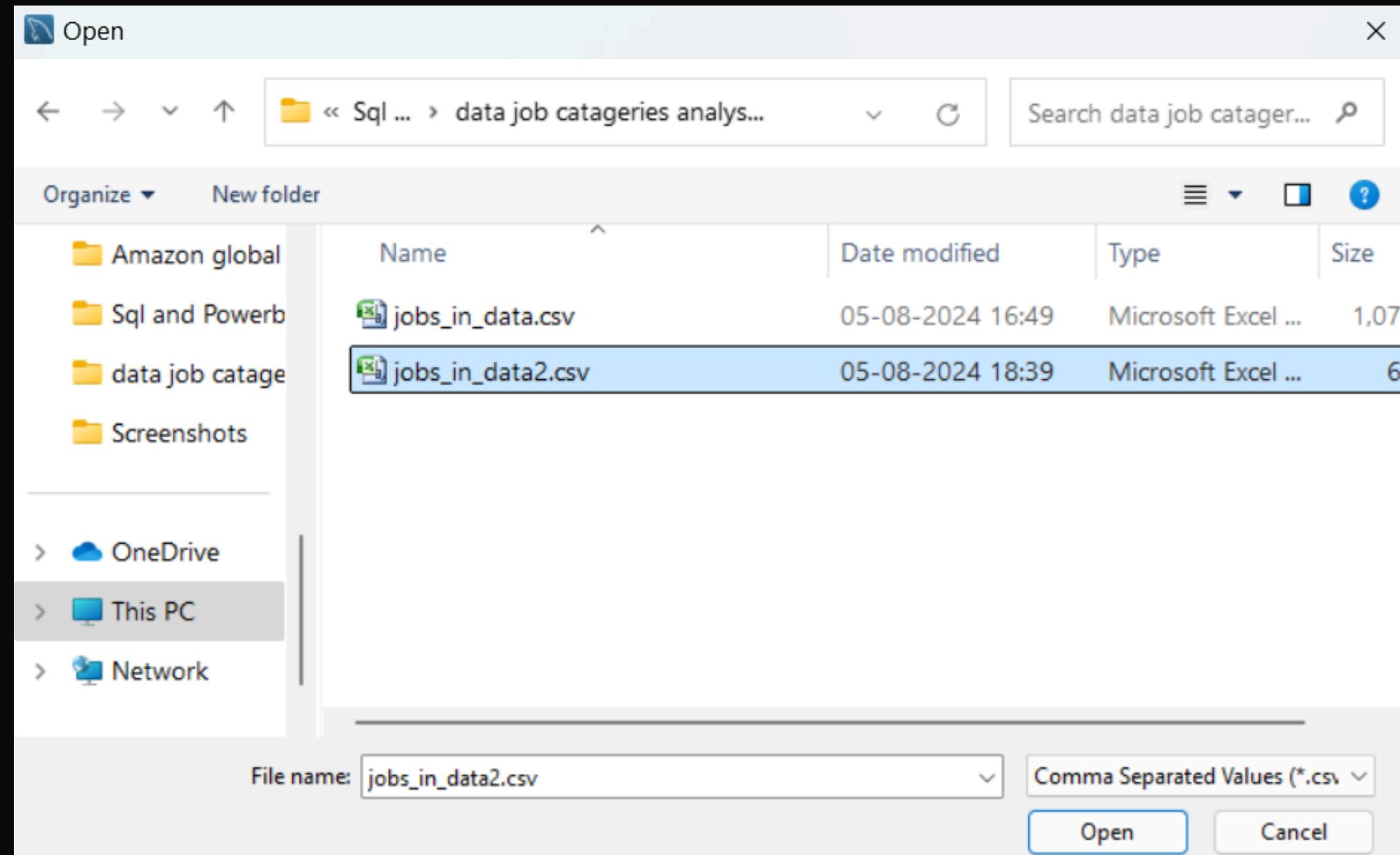
APPLY SQL SCRIPT IN DATA BASE

Create schema data_in_data2 and the apply the Sql



IN DATABASE SELECT THE TABLE ALL THE COLUMNS TABE DATA IMPORT WIZARD

Import the file



OPEN THE FILE

Select the Csv File And Open To Create the Table Rows and Columns

Configure Import Settings

Detected file format: csv 

Encoding: utf-8

Columns:

Source Column	Field Type
work_year	int
job_category	text
salary_currency	text
experience_level	text
work_setting	text
company_location	text

work_year	job_category	salary_cur...	experience...	work_setting	company_l...	company_...	no_of_posi...	sum_salaries
2023	Data Engin...	EUR	Mid-level	Hybrid	Germany	L	1	95012
2023	Data Archit...	USD	Senior	In-person	United States	M	84	12322450
2023	Data Scienc...	USD	Senior	In-person	United States	M	1034	189160985
2023	Data Scienc...	USD	Senior	Remote	United States	M	550	97083820
2023	Machine Le...	USD	Mid-level	In-person	United States	M	87	14975321

TABLE DATA IMPORT CONFIGUREIMPORT SETTINGS

- Detected The Format On the csv File Column and Fields and Make Table

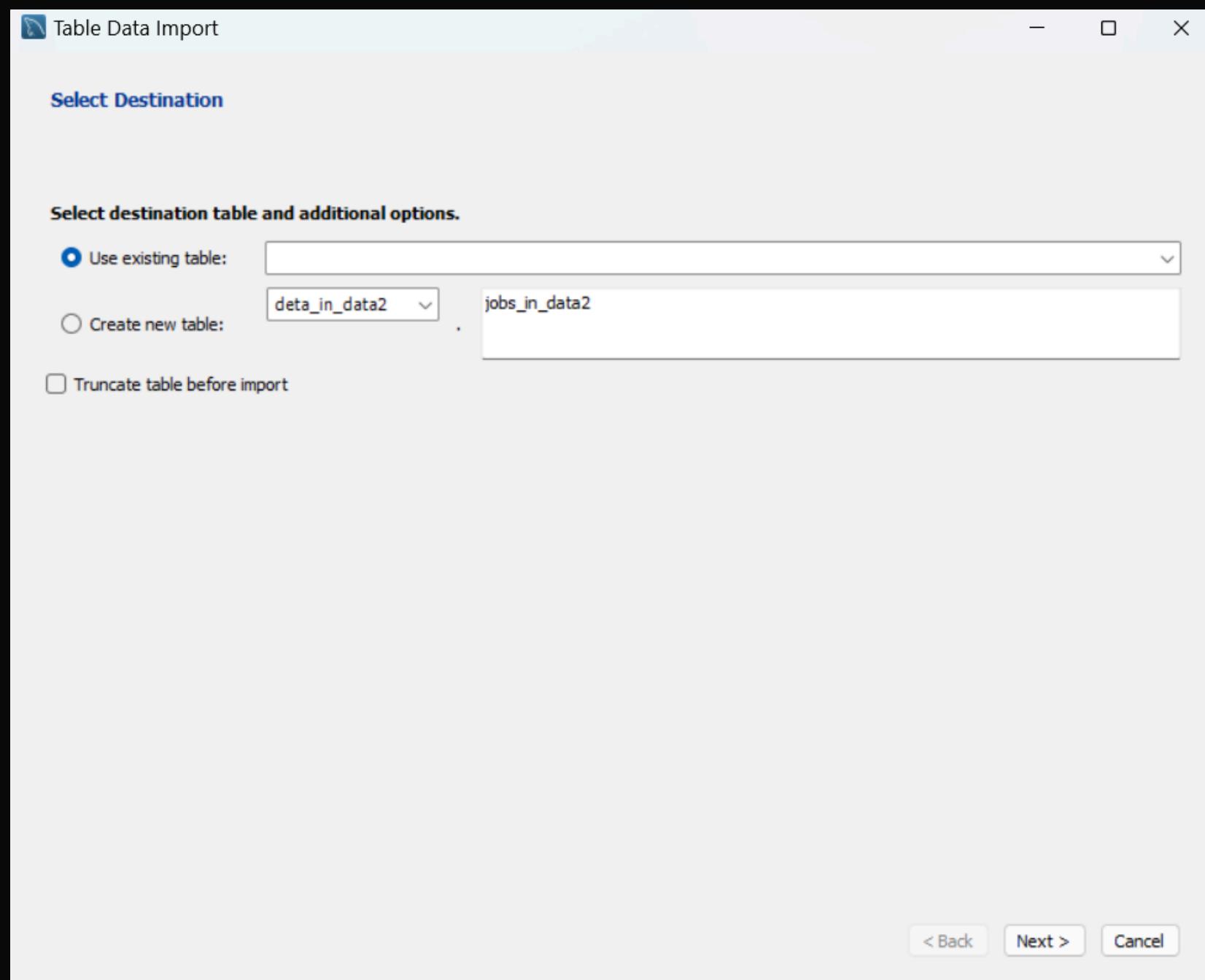


TABLE DATA IMPORT CONFIGUREIMPORT SETTINGS

- Detected The Format On the csv File Colum and Fields and Make Table

```
SELECT  
work_year,  
job_category,  
salary_currency,  
experience_level,  
work_setting,  
company_location,  
company_size,  
count(*) as no_of_positions,  
sum(salary_in_usd) as sum_salaries  
FROM jobs_in_data.jobs_in_data  
Group by 1,2,3,4,5,6,7;
```

AFTER WORK DATA FILE SELECT QUERY TO ALL THE COLUMNS WORK_YEAR & JOBCATEGORY

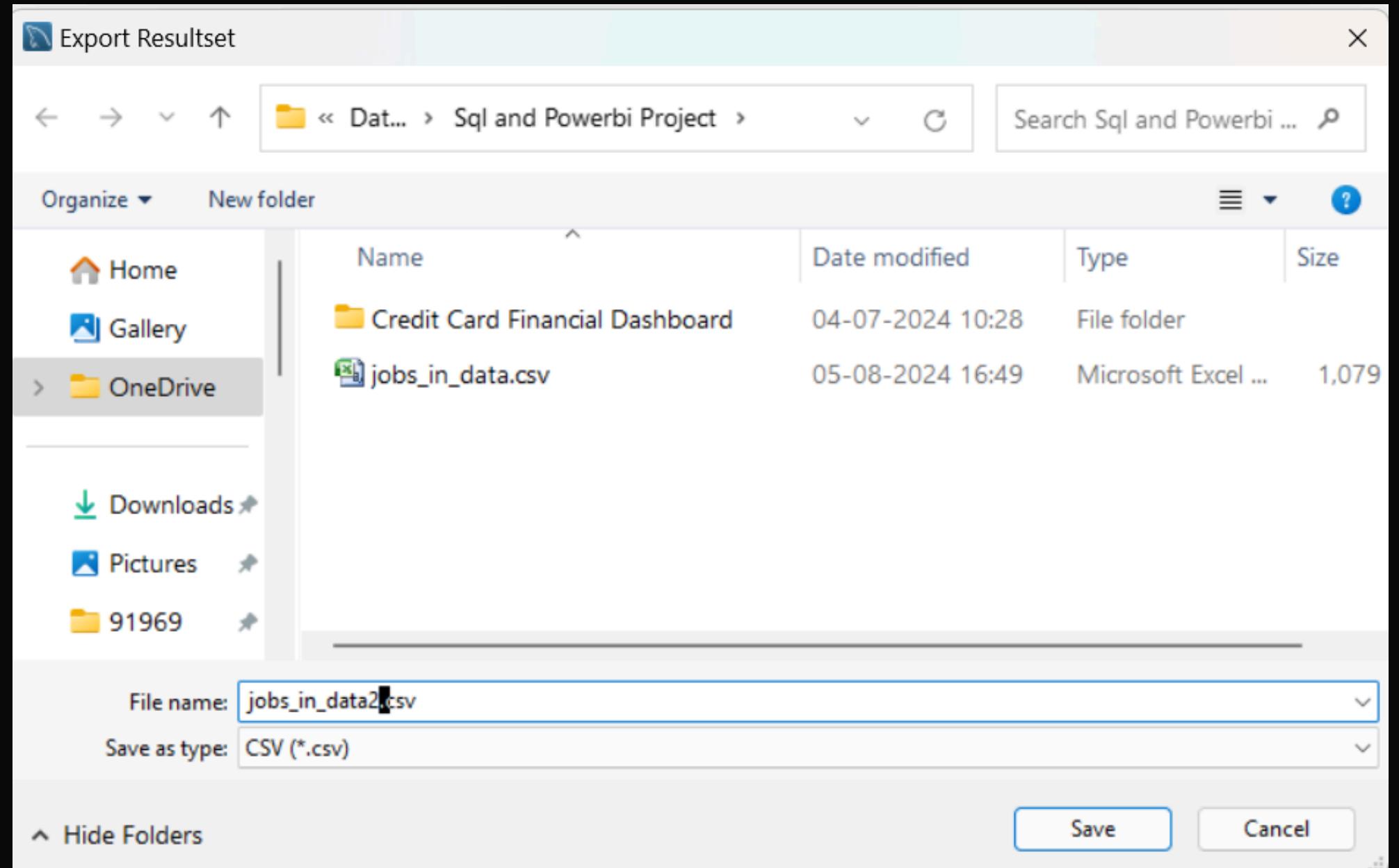
- Used all the Various Operations count And the selected Columns Like nof_positions and Sum Job In data
- And Lastly to be used in their Group By Function To Choose All their Different Rows

Result Grid | Filter Rows: Export: Wrap Cell Content:

work_year	job_category	salary_currency	experience_level	work_setting	company_location	company_size	no_of_positions	sum_salaries
2023	Data Engineering	EUR	Mid-level	Hybrid	Germany	L	1	95012
2023	Data Architecture and Modeling	USD	Senior	In-person	United States	M	84	12322450
2023	Data Science and Research	USD	Senior	In-person	United States	M	1034	189160985
2023	Data Science and Research	USD	Senior	Remote	United States	M	550	97083820
2023	Machine Learning and AI	USD	Mid-level	In-person	United States	M	87	14975321
2023	Data Engineering	USD	Executive	Remote	United States	M	30	6448296
2023	Machine Learning and AI	USD	Senior	In-person	United States	M	660	132200206
2023	Data Science and Research	GBP	Mid-level	In-person	United Kingdom	M	29	2401453
2023	Data Analysis	USD	Entry-level	In-person	United States	M	43	3606771
2023	Leadership and Management	USD	Mid-level	In-person	United States	M	78	9004680
2023	Data Analysis	USD	Mid-level	In-person	United States	M	148	15816004
2023	Data Science and Research	USD	Mid-level	In-person	United States	L	22	4297400
2023	BI and Visualization	USD	Senior	In-person	United States	M	100	15292282
2023	Data Engineering	USD	Senior	In-person	United States	M	748	121587284
2023	Data Engineering	EUR	Mid-level	Hybrid	Germany	S	2	220000

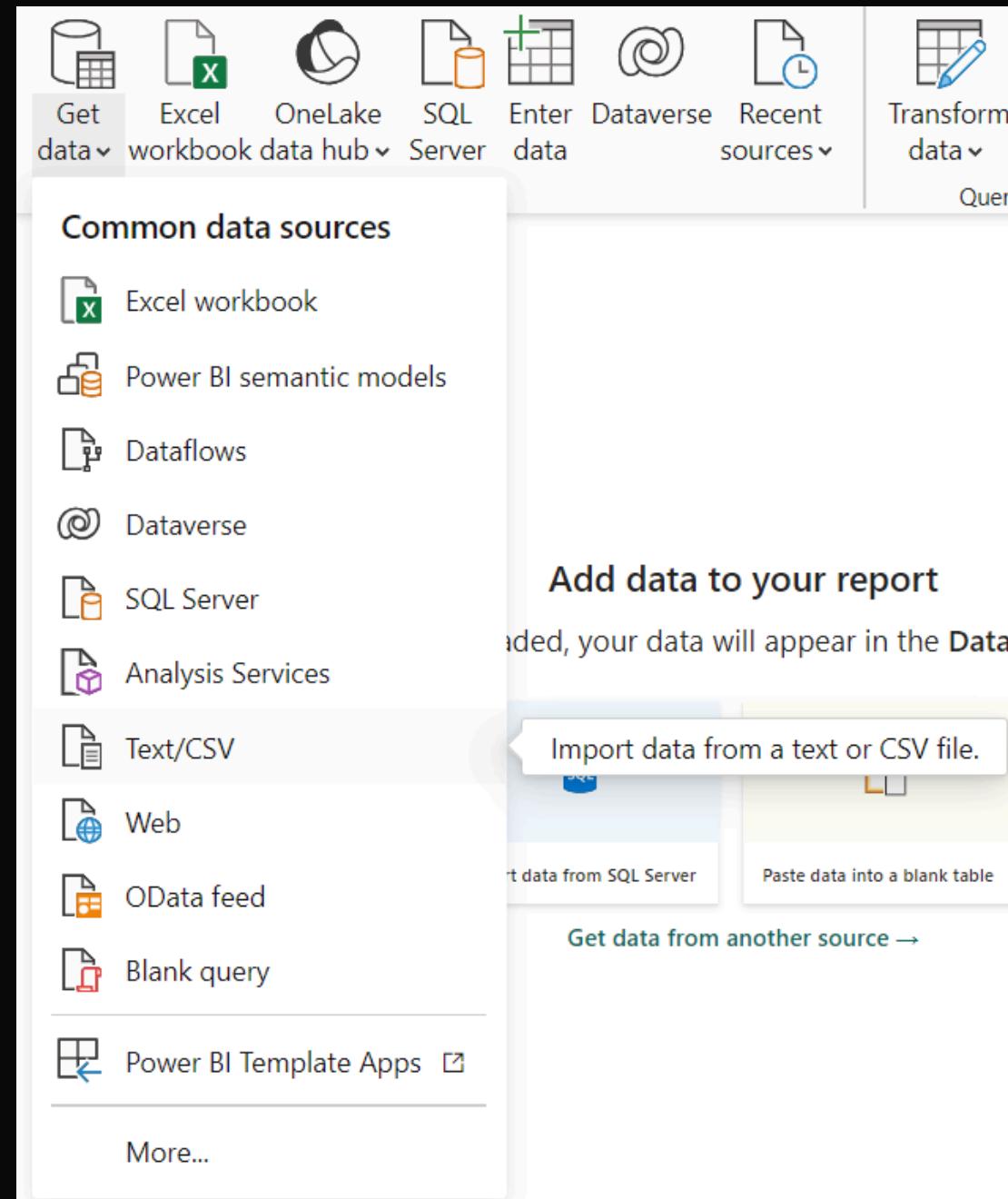
RESULT CAN BE SHOW FOR THEIR OUPUT

- all the select query shows colums work_year and operation performs to be to show ouput in sum company_size low medium show and
- use multiply opeation to show sumof
- salary on based diffrent job category and Person



AND EXPORT THE RESULT SET INTO EXCEL FILE

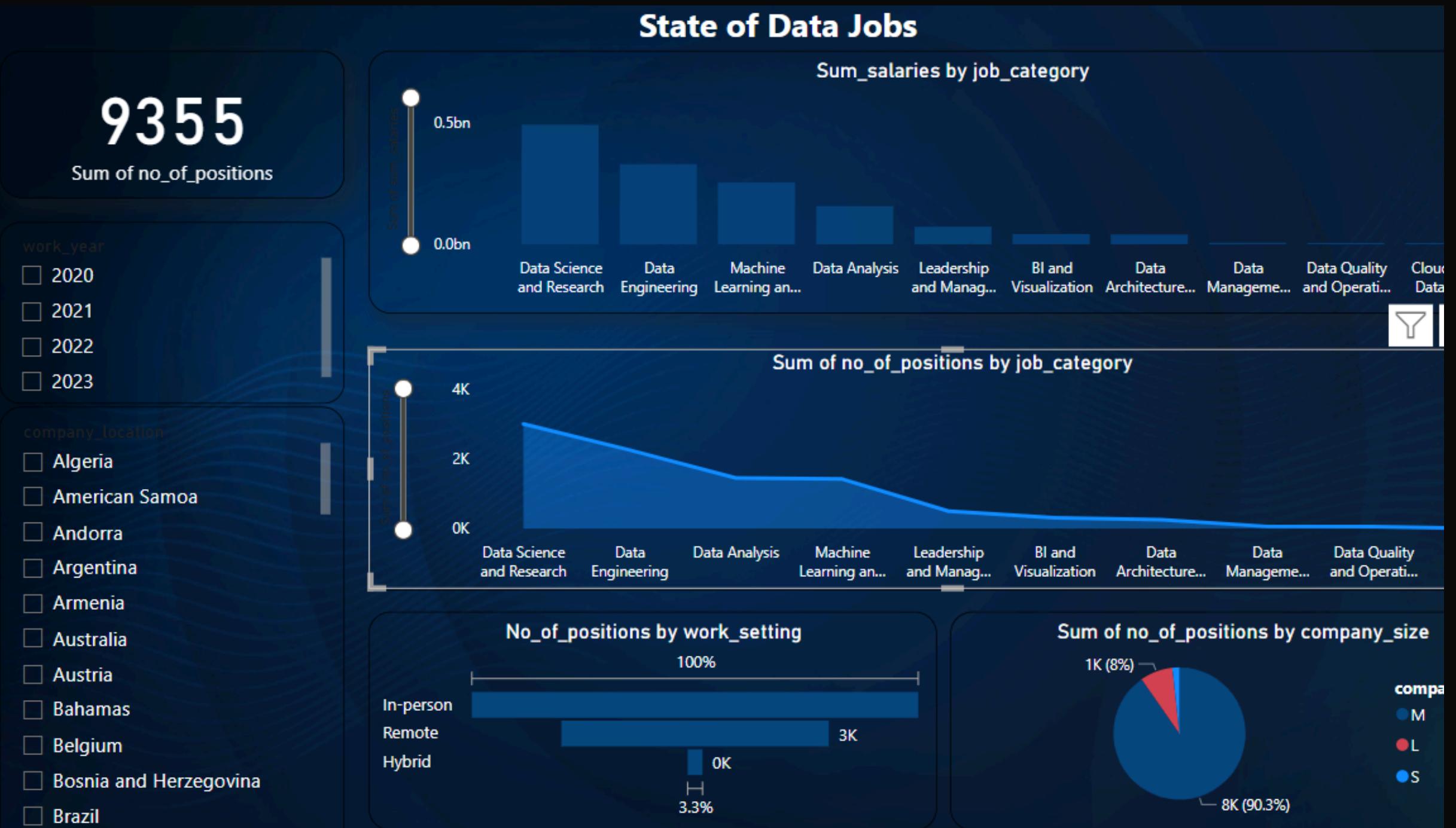
- Give Such Different File on Their Name Like
- Jobs_in_data_csv



ATER WORK IN POWERBI TO IMPORT THE FILE IN THEIR GET DATA TO CONNECTED

- On Different On Data Source To Powerbi in their Import data From text to csv File

WORK WITH REPORT ON DATA ANALYSES



- Make A Different Chart Like Bars Charts And Stack area chart pie chart and Funnel Chart also bar Chart Also Make A Kpi Sum of no_of_positions to be make dax functions make a measure and used the their slicers to be show for their Different state and used another slicer and to show their different Years and after visual all the report form background Imagr Color and give Give Color On their Different Chart and lastly analyses for their all the chart and sliers

**Thank You Like
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Do you have any questions?

Send it to us! We hope you learned
something new.

