**SQL Query Analysis**

**1.To import excel data into sql create table with column names and data types.**

CREATE TABLE DataAnalyst (

id INT PRIMARY KEY,

job\_title TEXT,

salary\_estimate TEXT,

job\_description TEXT,

rating FLOAT,

company\_name TEXT,

location TEXT,

headquarters TEXT,

size TEXT,

founded INT,

type\_of\_ownership TEXT,

industry TEXT,

sector TEXT,

revenue TEXT,

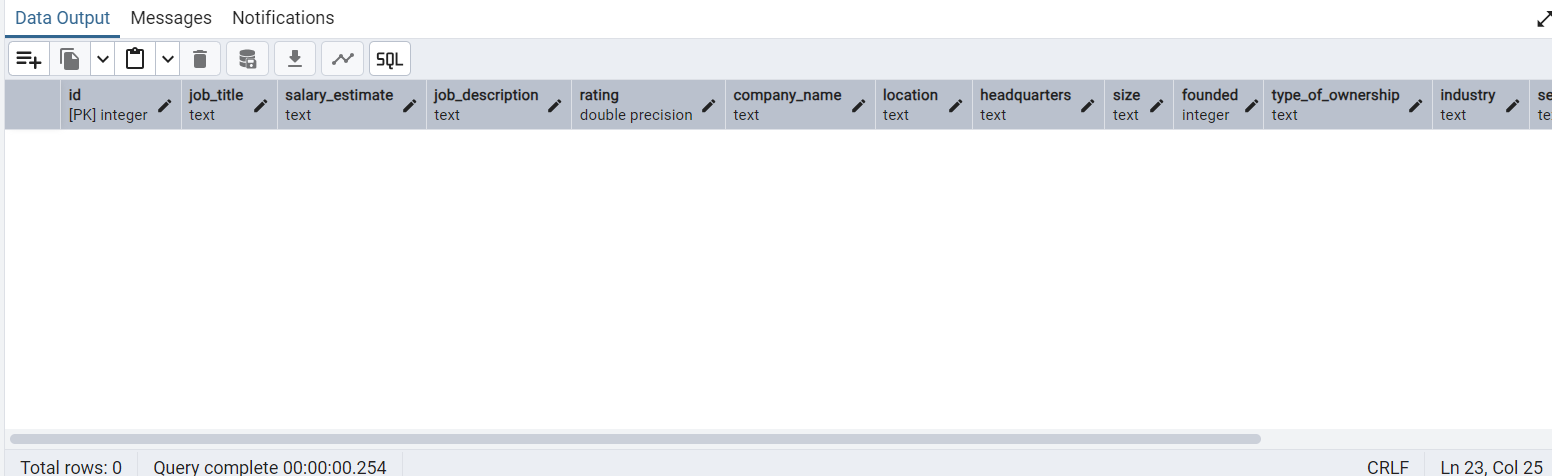
competitors TEXT,

easy\_apply TEXT

);

**2./\* View overall data all rows \*/**

SELECT\*FROM DataAnalyst;



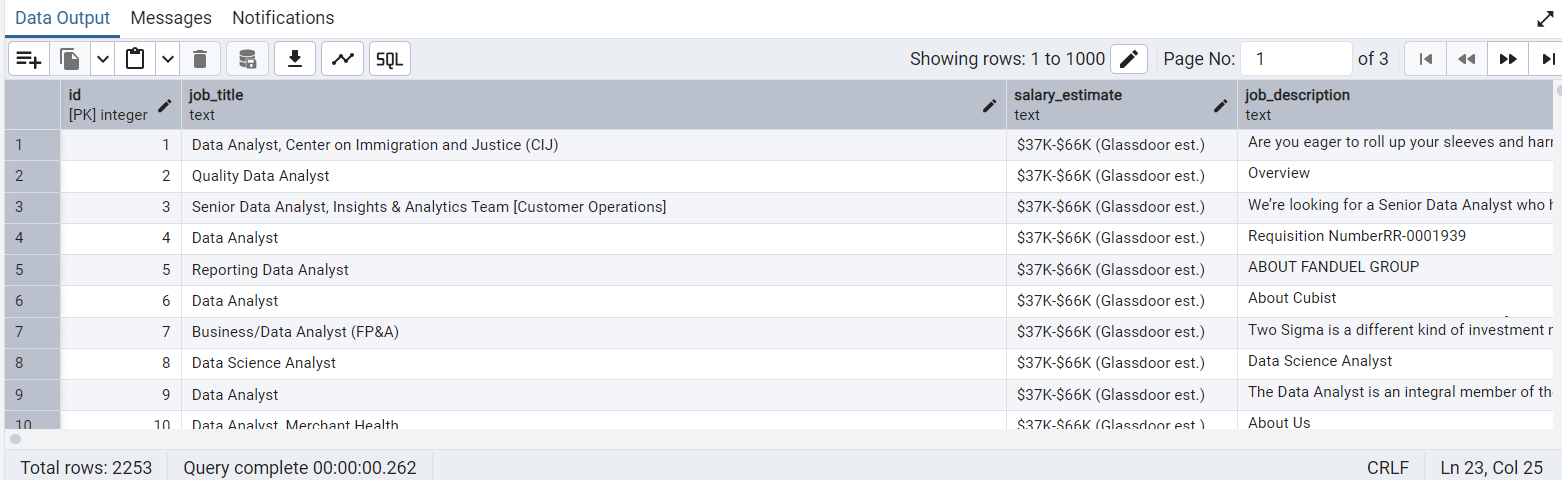
**3./\* To import data from excel to sql \*/**

COPY DataAnalyst

FROM 'C:\Users\Sandhya\OneDrive\Desktop\Data Analyst Job Analysis\DataAnalyst.csv'

DELIMITER ','

CSV HEADER;



**4./\*Top Job Locations by Count\*/**

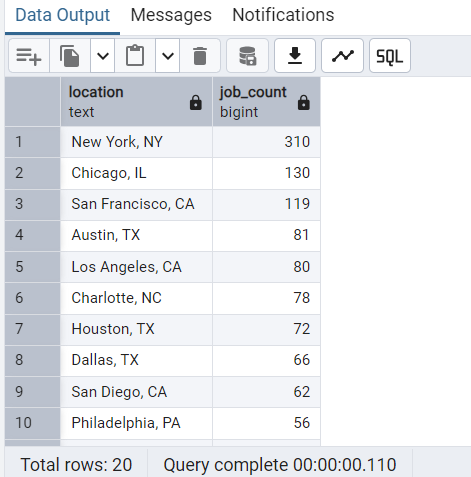
SELECT location, COUNT(\*) AS job\_count

FROM DataAnalyst

GROUP BY location

ORDER BY job\_count DESC

LIMIT 20;



**5./\*Company Size Distribution (excluding Unknown and '-1')\*/**

SELECT size, COUNT(\*) AS count

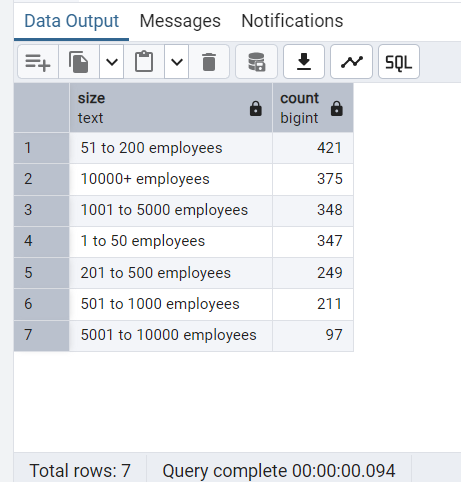
FROM DataAnalyst

WHERE size NOT IN ('-1', 'Unknown')

GROUP BY size

ORDER BY count DESC

LIMIT 20;



**6./\*Top Sectors by Count (excluding '-1')\*/**

SELECT sector, COUNT(\*) AS count

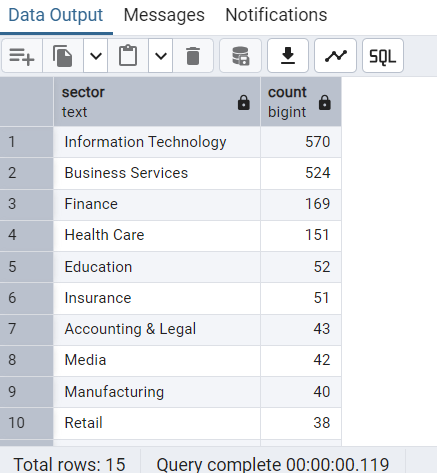
FROM DataAnalyst

WHERE sector != '-1'

GROUP BY sector

ORDER BY count DESC

LIMIT 15;



**7./\*Top 10 Companies Posting the Most Data Analyst Jobs\*/**

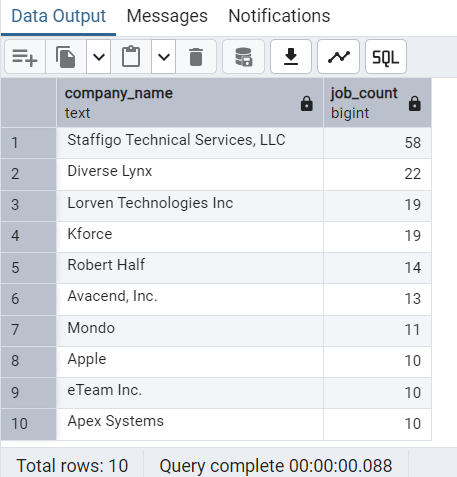
SELECT company\_name, COUNT(\*) AS job\_count

FROM DataAnalyst

GROUP BY company\_name

ORDER BY job\_count DESC

LIMIT 10;



**8./\* Average Company Rating by Sector\*/**

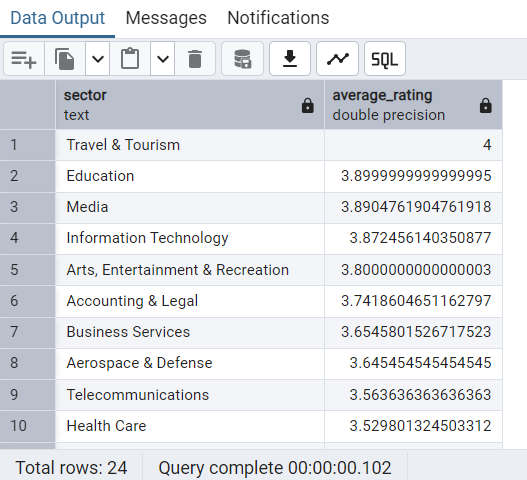
SELECT sector, AVG(rating) AS average\_rating

FROM DataAnalyst

WHERE sector != '-1' AND rating IS NOT NULL

GROUP BY sector

ORDER BY average\_rating DESC;



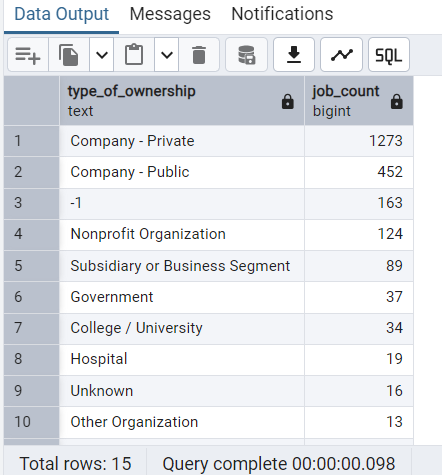
**9./\*Count of Jobs by Type of Ownership\*/**

SELECT type\_of\_ownership, COUNT(\*) AS job\_count

FROM DataAnalyst

GROUP BY type\_of\_ownership

ORDER BY job\_count DESC;



**10./\*Top 10 Industries Hiring Data Analysts\*/**

SELECT industry, COUNT(\*) AS job\_count

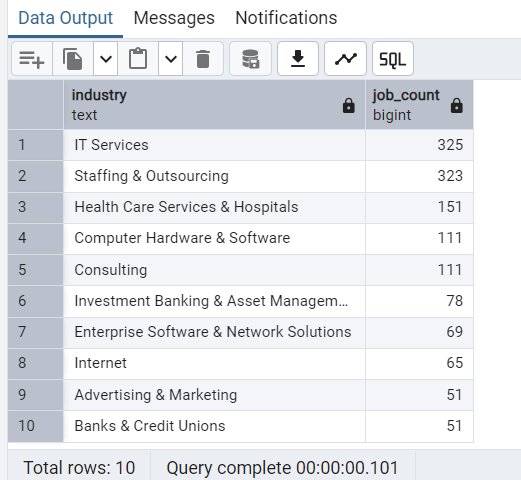
FROM DataAnalyst

WHERE industry != '-1'

GROUP BY industry

ORDER BY job\_count DESC

LIMIT 10;



**11./\*Top Headquarters Locations by Job Count\*/**

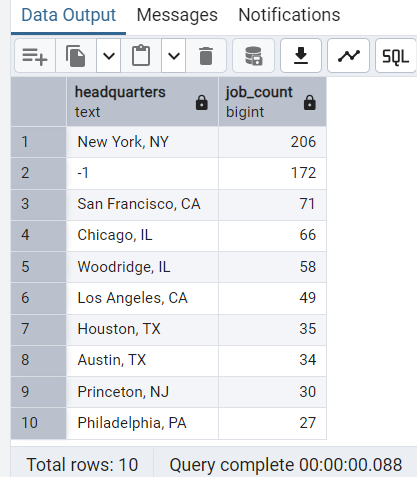
SELECT headquarters, COUNT(\*) AS job\_count

FROM DataAnalyst

GROUP BY headquarters

ORDER BY job\_count DESC

LIMIT 10;



**12./\*Job Postings by Year Founded\*/**

SELECT founded, COUNT(\*) AS job\_count

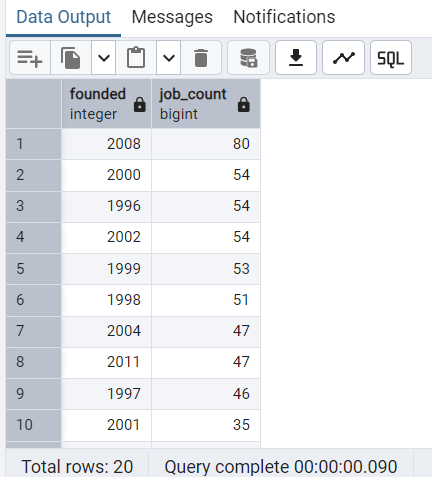
FROM DataAnalyst

WHERE founded IS NOT NULL AND founded > 1800

GROUP BY founded

ORDER BY job\_count DESC

LIMIT 20;



**13./\*Top 10 Most Common Job Titles\*/**

SELECT job\_title, COUNT(\*) AS job\_count

FROM DataAnalyst

GROUP BY job\_title

ORDER BY job\_count DESC

LIMIT 10;

