**Provide the SQL queries and answers for the following questions/tasks using the data\_analyst\_jobs table you have created in PostgreSQL:**

1. How many rows are in the data\_analyst\_jobs table?
   * + 1793 rows
     + SELECT count(\*) from data\_analyst\_jobs;
2. Write a query to look at just the first 10 rows. What company is associated with the job posting on the 10th row?
   * + Exxon Mobil
     + SELECT \* from data\_analyst\_jobs

LIMIT 10;

1. How many postings are in Tennessee? How many are there in either Tennessee or Kentucky?
   * + 21 postings in Tennessee
     + SELECT count(\*) from data\_analyst\_jobs

WHERE location = 'TN';

* + - 27 postings in Tennessee or Kentucky
    - SELECT count(\*) from data\_analyst\_jobs

WHERE location = 'TN'

OR location = 'KY';

1. How many postings in Tennessee have a star rating above 4?
   * + 3 postings
     + SELECT count(\*) from data\_analyst\_jobs

WHERE location = 'TN'

AND star\_rating > 4;

1. How many postings in the dataset have a review count between 500 and 1000?
   * + 150 postings
     + SELECT count(\*) from data\_analyst\_jobs

WHERE review\_count > 500

AND review\_count < 1000;

1. Show the average star rating for each state. The output should show the state as state and the average rating for the state as avg\_rating. Which state shows the highest average rating?
   * + Nebraska
     + SELECT location AS state, ROUND(AVG(star\_rating),2) AS avg\_rating

FROM data\_analyst\_jobs

WHERE location IS NOT NULL

AND star\_rating IS NOT NULL

GROUP BY state

ORDER BY avg\_rating DESC;

1. Select unique job titles from the data\_analyst\_jobs table. How many are there?
   * + 881 job titles
     + SELECT count (DISTINCT title)

FROM data\_analyst\_jobs;

1. How many unique job titles are there for California companies?
   * + 230 job titles
     + SELECT count (DISTINCT title)

FROM data\_analyst\_jobs

WHERE location = 'CA';

1. Find the name of each company and its average star rating for all companies that have more than 5000 reviews across all locations. How many companies are there with more that 5000 reviews across all locations?
   * + 40 companies
     + SELECT company, ROUND(AVG(star\_rating),2)

FROM data\_analyst\_jobs

WHERE review\_count > 5000

AND company IS NOT null

GROUP BY company;

1. Add the code to order the query in #9 from highest to lowest average star rating. Which company with more than 5000 reviews across all locations in the dataset has the highest star rating? What is that rating?
   * + 6 companies are tied with an average rating of 4.1999, General Motors, Unilever, Microsoft, Nike, American Express, and Kaiser Permanente
     + SELECT company, ROUND(AVG(star\_rating),2) as avg\_star

FROM data\_analyst\_jobs

WHERE review\_count > 5000

AND company IS NOT null

GROUP BY company

ORDER BY avg\_star DESC;

1. Find all the job titles that contain the word ‘Analyst’. How many different job titles are there?
   * + 774 job titles
     + SELECT COUNT(DISTINCT title)

FROM data\_analyst\_jobs

WHERE lower(title) LIKE '%analyst%';

1. How many different job titles do not contain either the word ‘Analyst’ or the word ‘Analytics’? What word do these positions have in common?
   * + 4 job titles, Tableau
     + SELECT title

FROM data\_analyst\_jobs

WHERE lower(title) NOT LIKE '%analyst%'

AND lower(title) NOT LIKE '%analytics%';