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WITH job\_title\_salary AS (

-- Average salaries by job title

SELECT

'Job Title' AS category,

title AS subcategory,

TO\_CHAR(AVG(salary), 'FM$999,999.00') AS average\_salary,

NULL::TEXT AS min\_salary,

NULL::TEXT AS max\_salary,

COUNT(\*) AS job\_count

FROM joblistings

GROUP BY title

LIMIT 10

),

location\_salary AS (

-- Average salary by location

SELECT

'Location' AS category,

location AS subcategory,

TO\_CHAR(AVG(salary), 'FM$999,999.00') AS average\_salary,

TO\_CHAR(MIN(salary), 'FM$999,999.00') AS min\_salary,

TO\_CHAR(MAX(salary), 'FM$999,999.00') AS max\_salary,

COUNT(\*) AS job\_count

FROM joblistings

WHERE title ILIKE '%data%'

GROUP BY location

),

remote\_company\_salary AS (

-- Companies with highest average salaries for remote jobs

SELECT

'Remote Jobs by Company' AS category,

company AS subcategory,

TO\_CHAR(AVG(salary), 'FM$999,999.00') AS average\_salary,

NULL::TEXT AS min\_salary,

NULL::TEXT AS max\_salary,

COUNT(\*) AS job\_count

FROM joblistings

WHERE job\_description ILIKE '%remote%'

GROUP BY company

LIMIT 10

),

job\_type\_salary AS (

-- Salary by type of positions using job descriptions

SELECT

'Job Type' AS category,

CASE

WHEN job\_description ILIKE '%full-time%' THEN 'Full-time'

WHEN job\_description ILIKE '%part-time%' THEN 'Part-time'

ELSE 'Other'

END AS subcategory,

TO\_CHAR(AVG(salary), 'FM$999,999.00') AS average\_salary,

NULL::TEXT AS min\_salary,

NULL::TEXT AS max\_salary,

COUNT(\*) AS job\_count

FROM joblistings

WHERE job\_description ILIKE '%full-time%' OR job\_description ILIKE '%part-time%'

GROUP BY subcategory

),

position\_type\_salary AS (

-- Salary ranges by type of positions

SELECT

'Position Type' AS category,

type\_of\_positions AS subcategory,

TO\_CHAR(AVG(salary), 'FM$999,999.00') AS average\_salary,

TO\_CHAR(MIN(salary), 'FM$999,999.00') AS min\_salary,

TO\_CHAR(MAX(salary), 'FM$999,999.00') AS max\_salary,

COUNT(\*) AS job\_count

FROM joblistings

GROUP BY type\_of\_positions

)

-- Combine all CTEs into one result set

SELECT \* FROM job\_title\_salary

UNION ALL

SELECT \* FROM location\_salary

UNION ALL

SELECT \* FROM remote\_company\_salary

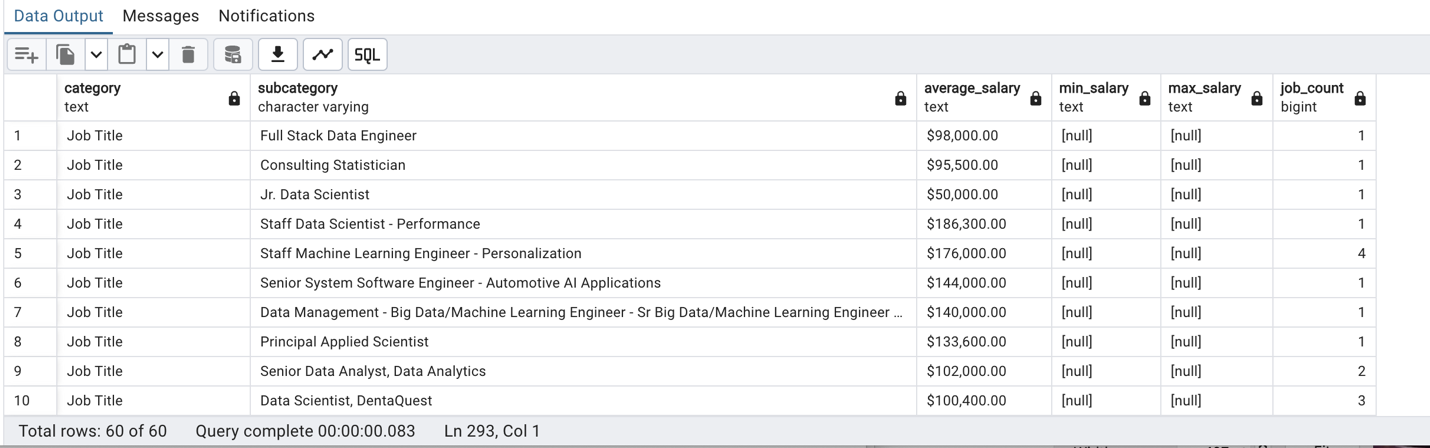
UNION ALL

SELECT \* FROM job\_type\_salary

UNION ALL

SELECT \* FROM position\_type\_salary

ORDER BY category, average\_salary DESC;



WITH salary\_stats AS (

SELECT

type\_of\_positions AS category,

TO\_CHAR(MIN(salary), 'FM$999,999.00') AS min\_salary,

TO\_CHAR(MAX(salary), 'FM$999,999.00') AS max\_salary,

TO\_CHAR(AVG(salary), 'FM$999,999.00') AS average\_salary

FROM joblistings

GROUP BY type\_of\_positions

UNION ALL

SELECT

location,

TO\_CHAR(MIN(salary), 'FM$999,999.00') AS min\_salary,

TO\_CHAR(MAX(salary), 'FM$999,999.00') AS max\_salary,

TO\_CHAR(AVG(salary), 'FM$999,999.00') AS average\_salary

FROM joblistings

WHERE title ILIKE '%data%'

GROUP BY location

UNION ALL

SELECT

company,

NULL AS min\_salary,

NULL AS max\_salary,

TO\_CHAR(AVG(salary), 'FM$999,999.00') AS average\_salary

FROM joblistings

WHERE job\_description ILIKE '%remote%'

GROUP BY company

UNION ALL

SELECT

CASE

WHEN job\_description ILIKE '%full-time%' THEN 'Full-time'

WHEN job\_description ILIKE '%part-time%' THEN 'Part-time'

ELSE 'Other'

END AS category,

NULL AS min\_salary,

NULL AS max\_salary,

TO\_CHAR(AVG(salary), 'FM$999,999.00') AS average\_salary

FROM joblistings

WHERE job\_description ILIKE '%full-time%' OR job\_description ILIKE '%part-time%'

GROUP BY category

)

SELECT \* FROM salary\_stats;

