-- Proportion of job postings by country

SELECT

    job\_country,

    COUNT(\*) AS total\_jobs,

    ROUND(COUNT(\*) \* 100.0 / (SELECT COUNT(\*) FROM job\_postings\_fact), 2) AS proportion\_percent

FROM

    job\_postings\_fact

GROUP BY

    job\_country

ORDER BY

    proportion\_percent DESC;

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-- Job role distribution in the dataset

SELECT

    job\_title\_short,

    COUNT(\*) AS no\_of\_job

FROM

    job\_postings\_fact

GROUP BY

    job\_title\_short

ORDER BY

    no\_of\_job DESC;

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-- Top 5 in-demand skills for a specific job role

WITH skill\_demand AS (

    SELECT

        job\_postings\_fact.job\_id AS id\_job,

        skills\_dim.skills AS skill,

        job\_postings\_fact.job\_title\_short AS job\_role

    FROM

        job\_postings\_fact

        LEFT JOIN skills\_job\_dim

            ON job\_postings\_fact.job\_id = skills\_job\_dim.job\_id

        LEFT JOIN skills\_dim

            ON skills\_job\_dim.skill\_id = skills\_dim.skill\_id

)

SELECT

    skill,

    COUNT(id\_job) AS demand\_count

FROM

    skill\_demand

WHERE

-- Specify the job role to filter skill demand

    job\_role = 'Data Analyst'

--    job\_role = 'Data Scientist'

--    job\_role = 'Data Engineer'

--    job\_role = 'Senior Data Analyst'

--    job\_role = 'Senior Data Scientist'

--    job\_role = 'Senior Data Engineer'

GROUP BY

    skill

ORDER BY

    demand\_count DESC

LIMIT 5;

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-- Degree requirement analysis for job roles

SELECT

    job\_no\_degree\_mention,

    COUNT(\*) AS total\_jobs

FROM

    job\_postings\_fact

WHERE

   job\_title\_short = 'Data Analyst'

--    job\_title\_short = 'Data Scientist'

--    job\_title\_short = 'Data Engineer'

--    job\_title\_short = 'Senior Data Analyst'

--    job\_title\_short = 'Senior Data Scientist'

--    job\_title\_short = 'Senior Data Engineer'

GROUP BY

    job\_no\_degree\_mention;

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The top one is for data analyst, now I will separate it for each job role

Data scientist

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Data Engineer

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Senior Data Analyst

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A screenshot of a computer

AI-generated content may be incorrect.

Senior Data Scientist

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Senior Data Engineer

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A screenshot of a computer

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