-- Datset Preview

SELECT \* FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows` LIMIT 1000;

-- Count Movies and Shows

SELECT `type`,COUNT(\*) AS movie\_show\_count

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

GROUP BY `type`;

--Movies Added Over the Years

SELECT EXTRACT(YEAR FROM date\_added) AS year, COUNT(\*) AS num\_movies

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

WHERE type = 'Movie'

GROUP BY year

ORDER BY year;

--Rating Distribution

SELECT rating, COUNT(\*) AS count

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

GROUP BY rating

ORDER BY count DESC;

-- Duration Anlysis

SELECT DISTINCT duration

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`;

SELECT type, AVG(CAST(REGEXP\_REPLACE(duration, r' min$', '') AS INT64)) AS average\_duration

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

WHERE type = 'Movie'

    AND REGEXP\_CONTAINS(duration, r'^\d+ min$')  -- Only include valid durations

GROUP BY type;

-- Most common countries of Origin

SELECT country, COUNT(\*) AS count

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

GROUP BY country

ORDER BY count DESC

LIMIT 10;

--Cast Analysis

SELECT SPLIT(`cast`,', ') AS actor, COUNT(\*) AS appearances

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

GROUP BY actor

ORDER BY appearances DESC

LIMIT 10;

--Movies OR TV Shows released in 2020

SELECT title, release\_year

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

WHERE release\_year = 2020 AND (type = 'Movie'OR type='TV Show');

-- Content Added Recently

SELECT title, date\_added

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

WHERE date\_added >= DATE\_SUB(CURRENT\_DATE(), INTERVAL 30 DAY);

--Most Common Categories

SELECT listed\_in, COUNT(\*) AS count

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

GROUP BY listed\_in

ORDER BY count DESC

LIMIT 10;

-- Category Diversity Across Countries

SELECT country, listed\_in, COUNT(\*) AS count

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

GROUP BY country, listed\_in

ORDER BY count DESC

LIMIT 10;

-- Content Availability Over Time

SELECT EXTRACT(YEAR FROM date\_added) AS year, COUNT(\*) AS titles\_added

FROM  `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

GROUP BY year

ORDER BY year DESC;

-- Distribution of Content type by countires

SELECT country, type, COUNT(\*) AS content\_count

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

GROUP BY country, type

ORDER BY content\_count DESC;

-- Movies and TV show count by rating

SELECT type,rating, COUNT(\*) AS movie\_count

FROM `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

WHERE type = 'Movie' OR type='TV Show' -- Filter to only include movies

GROUP BY rating , type

ORDER BY movie\_count DESC;

-- Recommendation using SQL

WITH UserWatched AS (

    SELECT

        listed\_in,

        `cast`,

        country,

        rating

    FROM

        `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

    WHERE

        title = 'Sinister 2'  --  movie or TV show the user liked

)

SELECT

    title,

    type,

    listed\_in,

    `cast`,

    country,

    rating,

    description

FROM

    `netflix-analysis-437105.NetflixMovies.netflix\_movies\_shows`

WHERE

    -- Filter for similar genres, cast, countries, or ratings

    listed\_in IN (SELECT listed\_in FROM UserWatched) OR

    `cast` IN (SELECT `cast` FROM UserWatched) OR

    country IN (SELECT country FROM UserWatched) OR

    rating IN (SELECT rating FROM UserWatched)

    AND title != 'Sinister2'

LIMIT 5;