**Marriage Trends in India: A Data-Driven SQL Analysis**

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**Summary**

This project analyzes 10,000 marriage records in India using SQL queries to uncover patterns in age, caste, religion, parental approval, dowry, divorce, and marital satisfaction. The goal is to derive meaningful insights into societal trends and correlations between these factors.

**Dataset Source**

Kaggle

**Key Columns from Dataset**

* Marriage\_Type: Love or Arranged marriage
* Parental\_Approval: Whether parents approve the marriage
* Divorce\_Status: If the marriage ended in divorce
* Income\_Level: Income category of individuals
* Dowry\_Exchanged: Whether dowry was given
* Marital\_Satisfaction: Satisfaction level of the marriage

**Insights & Findings**

After running the queries, I have found some interesting key insights:

* Divorce rates are higher in inter-caste marriages than same-caste marriages.
* Individuals from higher income levels are less likely to exchange dowry.
* Marital satisfaction is generally higher for arranged marriages than love marriages after 10+ years.
* People with higher education tend to marry later in life.
* Parental approval correlates negatively with divorce rates.

**Creating Table and Importing Dataset to Server**

CREATE DATABASE MarriageAnalysis;

USE MarriageAnalysis;

CREATE TABLE MarriageData (

ID INT PRIMARY KEY,

Marriage\_Type TEXT,

Age\_at\_Marriage INT,

Gender TEXT,

Education\_Level TEXT,

Caste\_Match TEXT,

Religion TEXT,

Parental\_Approval TEXT,

Urban\_Rural TEXT,

Dowry\_Exchanged TEXT,

Marital\_Satisfaction TEXT,

Divorce\_Status TEXT,

Children\_Count INT,

Income\_Level TEXT,

Years\_Since\_Marriage INT,

Spouse\_Working TEXT,

Inter\_Caste TEXT,

Inter\_Religion TEXT

);

SHOW VARIABLES LIKE 'secure\_file\_priv';

**Data Importing**

LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/marriage\_data\_india.csv'

INTO TABLE MarriageData

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

**Problem Statements & SQL Queries**

**(All the queries have successfully Executed )**

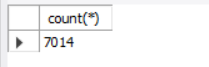
**Basic Queries**

1. **Retrieve all records where Marriage\_Type is "Love".**

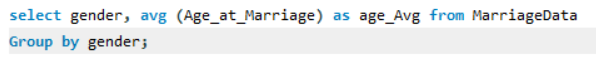


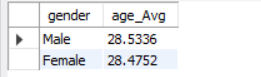
1. **Count the number of marriages where Parental\_Approval is "Yes".**

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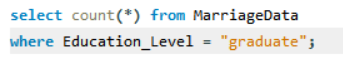
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1. **Find the average Age\_at\_Marriage for males and females separately.**

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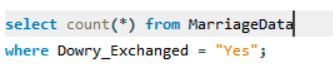
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1. **Get the number of people with a Graduate education level.**

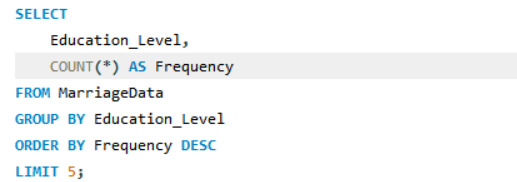


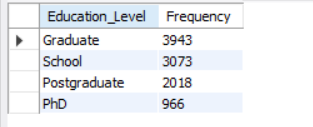


1. **Find the count of marriages where Dowry\_Exchanged is "Yes".**

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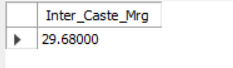
1. **List the top 5 most common Education\_Level values and their frequencies.**

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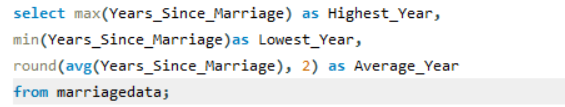
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1. **Calculate the percentage of inter-caste marriages (Inter-Caste = "Yes") in the dataset.**

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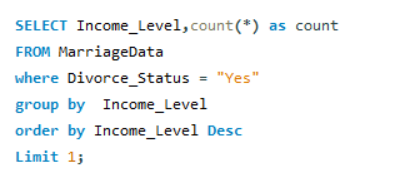
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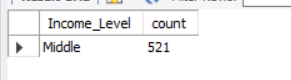
1. **Find the highest, lowest, and average Years\_Since\_Marriage.**

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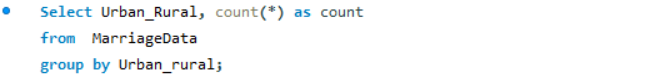
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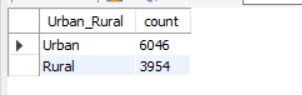
1. **Identify the most common income level among those who got divorced.**

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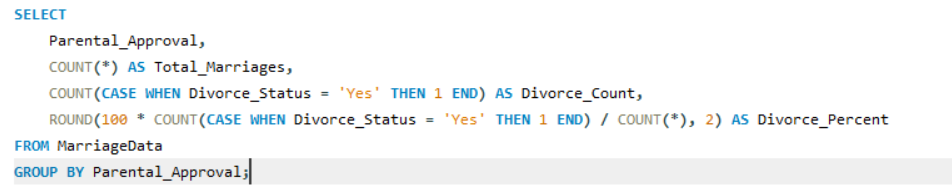
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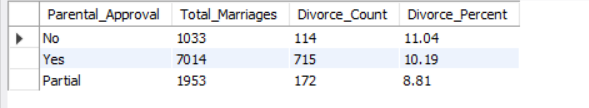
1. **Count the number of urban and rural marriages separately.**

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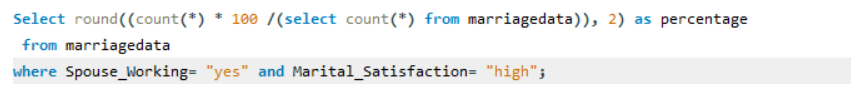
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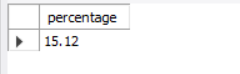
1. **Find the correlation between Parental\_Approval and Divorce\_Status (how many divorces occur in approved vs. non-approved marriages).**

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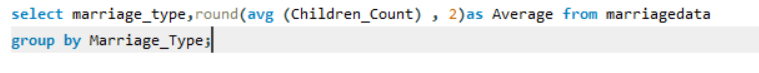
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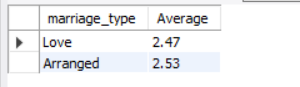
1. **Determine the percentage of marriages where Spouse\_Working is "Yes" and Marital\_Satisfaction is "High".**

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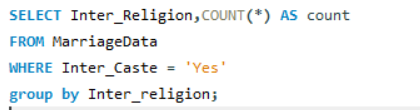
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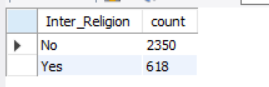
1. **Find the average number of children\_Count for arranged vs. love marriages.**

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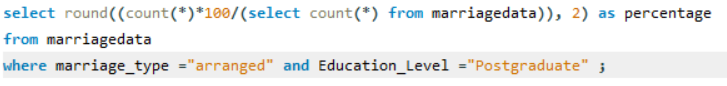
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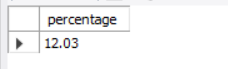
1. **Count how many inter-religion marriages also have Inter-Caste = "Yes".**

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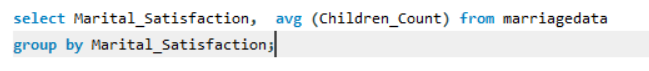
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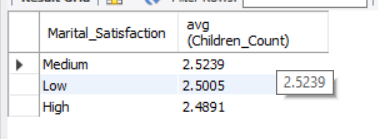
1. **Find the percentage of individuals with a Postgraduate degree who had an arranged marriage.**

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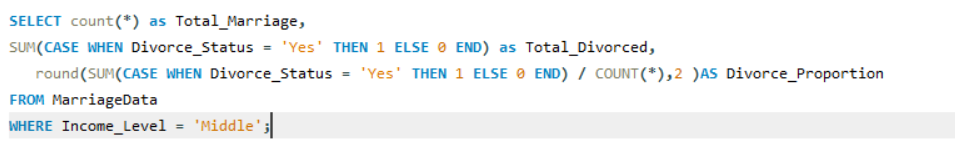
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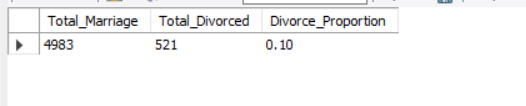
1. **Analyze whether Years\_Since\_Marriage correlates with Marital\_Satisfaction.**
2. **Calculate the average Children\_Count for different Marital\_Satisfaction levels.**

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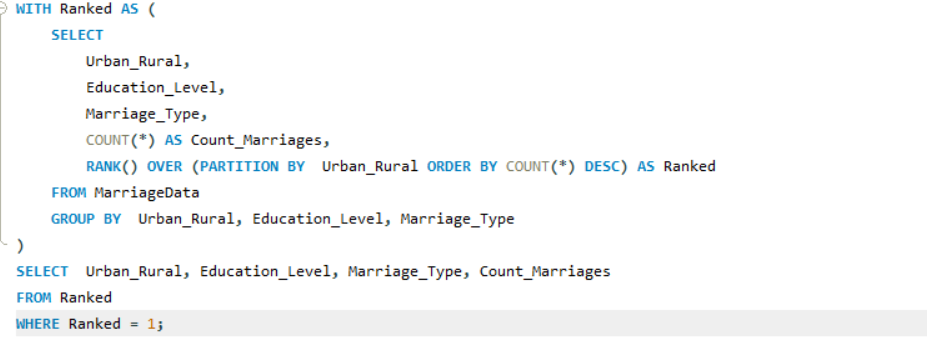
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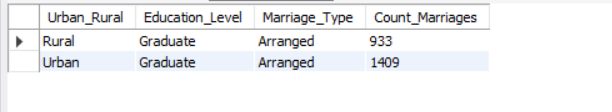
1. **Find the proportion of people with middle income who have experienced divorce.**

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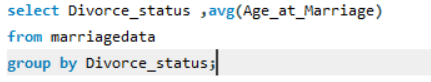
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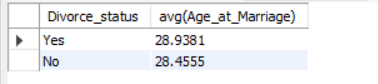
1. **Identify the most common combination of education and marriage\_type among urban vs. rural populations.**

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1. **Determine the average age\_at\_Marriage for divorced vs. non-divorced individuals.**

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