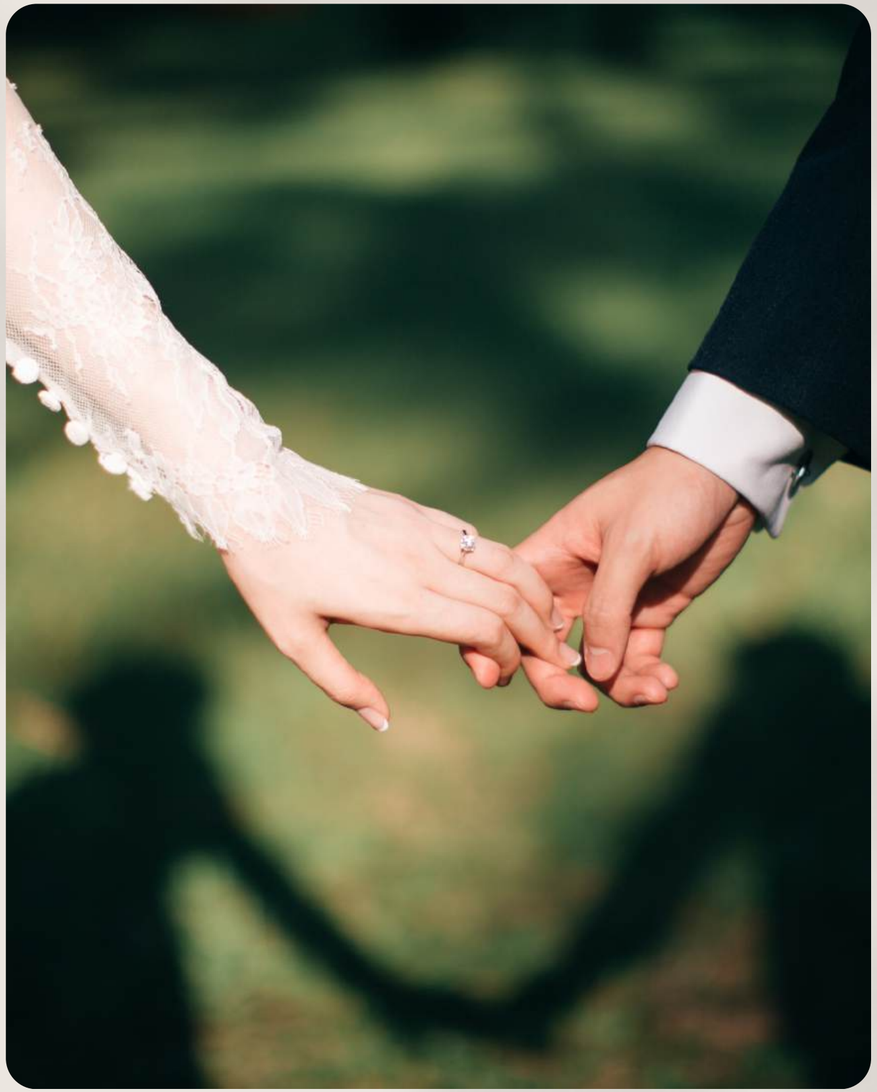
Marriage Trends and Patterns

A presentation on SQL queries used for analyzing marriage data

PROJECT OVERVIEW

The primary goal of this project is to analyze marriage patterns, focusing on various socio-cultural and economic factors that influence marital outcomes. By examining attributes such as marriage type (love vs. arranged), education, caste, religion, parental approval, dowry exchange, marital satisfaction, and divorce rates, we aim to uncover significant trends and relationships.



Display the count of love marriages that are inter-caste

This query will display the count of inter-caste love marriages.

```
SELECT
    marriage_type,inter_caste, COUNT(inter_caste) total
FROM
    marriages
GROUP BY marriage_type , inter_caste
HAVING marriage_type = 'love'
    AND inter_caste = 'yes';
```

marriage_type	inter_caste	total
Love	Yes	1197

Love marriages that are not inter-caste

```sql
SELECT
    religion,COUNT(inter_caste) total
FROM
    marriages
group by religion ,marriage_type,inter_caste
having marriage_type = 'love'
        AND inter_caste = 'no';
```

religion	total
Hindu	1662
Christian	266
Muslim	549
Others	148
Sikh	156

Display the count of inter-religion love marriages having age greater than 18 years

```sql
SELECT
    COUNT(inter_religion) total
FROM
    marriages
WHERE
    marriage_type = 'love'
        AND inter_religion = 'yes' and age_at_marriage>18;
```

	total
▶	763

Average age at marriage for each gender

This query retrieves a table listing each gender alongside the rounded average age at which individuals of that gender get married.

```
SELECT
    Gender, ROUND(AVG(age_at_marriage))
FROM
    marriages
GROUP BY Gender;
```

	Gender	average
▶	Male	29
	Female	28

Number of love marriages within specific religions that are not inter-religion

```
SELECT
    religion,COUNT(inter_religion) total
FROM
    marriages
group by religion,inter_religion,marriage_type
having marriage_type = 'love'
        AND inter_religion = 'no';
```

	religion	total
▶	Hindu	1927
	Christian	296
	Muslim	622
	Others	166
	Sikh	167

Instances where dowry was exchanged for each religion

```sql
SELECT
    religion, COUNT(dowry_exchanged)
FROM
    marriages
WHERE
    dowry_exchanged = 'yes'
GROUP BY religion;
```

The output shows a table showing each religion and the corresponding count of marriages where dowry was exchanged.

religion	total
Hindu	1810
Sikh	156
Others	150
Muslim	596
Christian	284

Average number of years since marriage for each gender

The result will be a table showing each gender along with their rounded average number of years since marriage.

```
SELECT
    Gender, ROUND(AVG(years_since_marriage)) as average
FROM
    marriages
GROUP BY Gender;
```

	Gender	average
▶	Male	25
	Female	25

Thank You