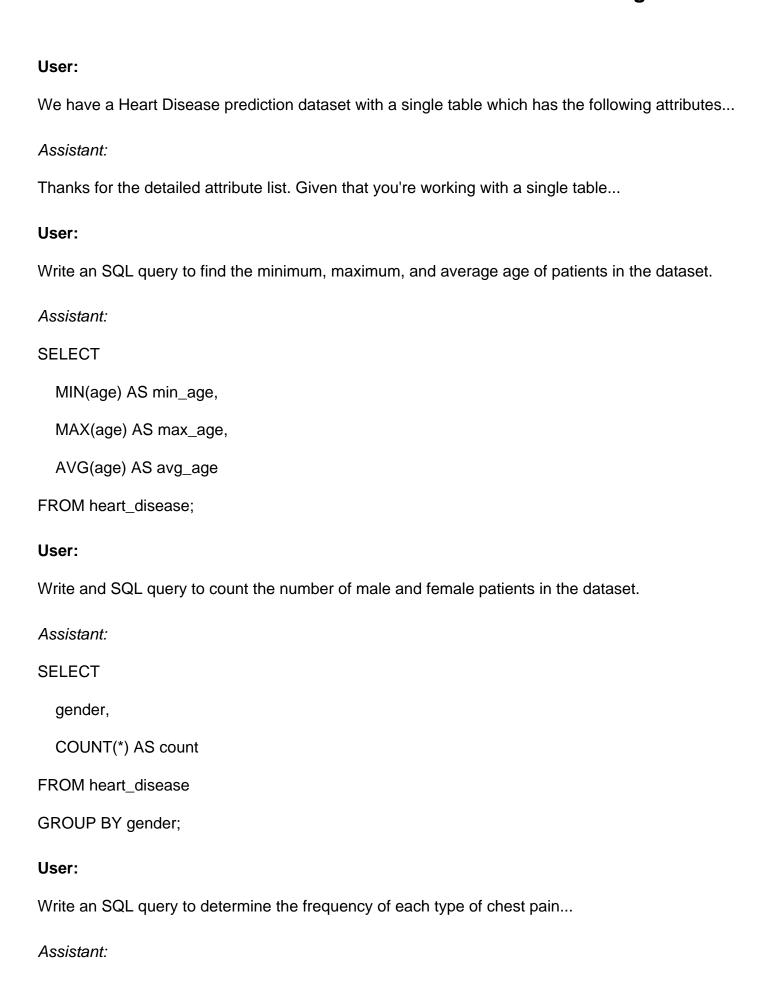
Heart Disease Dataset - Full Conversation Log



```
SELECT
  CASE
    WHEN cp = 1 THEN 'Typical Angina'
  END AS chest_pain_type,
  COUNT(*) AS frequency
FROM heart_disease
GROUP BY cp;
User:
Write an SQL query to investigate the distribution of the target variable...
Assistant:
SELECT
  CASE
    WHEN age BETWEEN 20 AND 29 THEN '20-29'
  END AS age_group,
  num AS heart_disease_status,
  COUNT(*) AS count
FROM heart_disease
GROUP BY age_group, heart_disease_status;
User:
Find the range of cholesterol levels among patients (minimum, maximum).
Assistant:
Minimum cholesterol level: 126 mg/dl
Maximum cholesterol level: 564 mg/dl
```

User:

Determine the age range (youngest and oldest) for male and female patients separately.

Assistant:

Female Patients: 3476 years

Male Patients: 2977 years

User:

Investigate the distribution of the target variable...

Assistant:

Refer to the provided table showing the distribution of diagnosis categories (04) across age groups.

User:

Find the maximum heart rate achieved during exercise for different age groups...

Assistant:

20-29: 202, 30-39: 192, 40-49: 194, 50-59: 195, 60-69: 179, 70+: 162

User:

Calculate the percentage of patients with fasting blood sugar greater than 120 mg/dl.

Assistant:

Approximately 14.85% of patients have a fasting blood sugar level greater than 120 mg/dl.

User:

Investigate the distribution of patients based on the number of major vessels...

Assistant:

0 vessels: 176, 1 vessel: 65, 2 vessels: 38, 3 vessels: 20