Delivering Personalized Movie Recommendations with an AI-Driven Matchmaking System

# Dataset Description

• Source: UCI Machine Learning Repository (https://archive.ics.uci.edu/ml/datasets/Student+Performance)

• Type: Public dataset

• Size: 395 rows × 33 columns

• Nature: Structured tabular data

## Attributes

• Demographics:

* ○ Age – Age of the student
* ○ Address – Urban (U) or Rural (R)
* ○ Parental\_Education – Education level of parent(s)

• Academics:

* ○ G1, G2 – First and second period grades
* ○ StudyTime – Weekly study time

• Behavior:

* ○ Absences – Number of school absences

## Sample Dataset (df.head())

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Age | Address | Parental\_Education | G1 | G2 | StudyTime | Absences |
| 17 | U | high | 14 | 15 | 2 | 4 |
| 18 | U | low | 10 | 11 | 3 | 10 |
| 17 | R | medium | 12 | 12 | 1 | 2 |
| 19 | U | high | 15 | 16 | 2 | 0 |
| 18 | R | medium | 13 | 14 | 2 | 6 |