**Glass Identification**

**Project Description**

The dataset describes the chemical properties of glass and involves classifying samples of glass using their chemical properties as one of six classes. The dataset was credited to [Vina Spiehler](https://www.lexvisio.com/expert-witness/vina-r-spiehler-phd-dabft-spiehler-associates) in 1987. The study of classification of types of glass was motivated by criminological investigation. At the scene of the crime, the glass left can be used as evidence...if it is correctly identified!

The chemical compositions are measured as the weight percent in corresponding oxide.

**Attribute Information-**

1. Id number: 1 to 214
2. RI: refractive index
3. Na: Sodium (unit measurement: weight percent in corresponding oxide, as are attributes 4-10)
4. Mg: Magnesium
5. Al: Aluminum
6. Si: Silicon
7. K: Potassium
8. Ca: Calcium
9. Ba: Barium
10. Fe: Iron
11. Type of glass: (class attribute)

* 1- building\_windows\_float\_processed
* 2- building\_windows\_non\_float\_processed
* 3- vehicle\_windows\_float\_processed
* 4- vehicle\_windows\_non\_float\_processed (none in this database)
* 5- containers
* 6- tableware
* 7- headlamps

There are 214 observations in the dataset. The dataset can be divided into window glass (classes 1-4) and non-window glass (classes 5-7).

**Predict :** Type of glass

**Dataset Link-**

* <https://github.com/FlipRoboTechnologies/ML-Datasets/blob/main/Glass%20Identification/Glass%20Identification.csv>

**Student grades prediction**

**Project Description**

The dataset contains grades scored by students throughout their university tenure in various courses and their CGPA calculated based on their grades

**Columns Description-  total 43 columns**

-**Seat No** : The enrolled number of candidate that took the exams

**CGPA :** The cumulative GPA based on the four year total grade progress of each candidate . CGPA is a Final Marks -- provided to student.

· All other columns are course codes in the format AB-XXX where AB are alphabets representing candidates' departments and XXX are numbers where first X represents the year the canditate took exam

**Predict** - CGPA of a student based on different grades in four years.

**Dataset Link-**

· <https://github.com/FlipRoboTechnologies/ML-Datasets/blob/main/Grades/Grades.csv>