

# Glass Identification Data Description

## Source

- Creator: B. German  
Central Research Establishment  
Home Office Forensic Science Service  
Aldermaston, Reading, Berkshire RG7 4PN
- Donor: Vina Spiehler, Ph.D., DABFT  
Diagnostic Products Corporation  
(213) 776-0180 (ext 3014)  
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## Data Set Information

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.

## Attribute Information

**Number of Instances:** 214

**Number of Attributes:** 10 (including glass id, all other attributes continuous valued).  
Unit measurement for attributes 3 through 10 is weight percent in corresponding oxide

**Number of Classes:** 7 (all classes labeled with integers 1 through 7)

### Attributes (variables):

1. ID: glass identification
2. RI: refractive index
3. Na: Sodium
4. Mg: Magnesium
5. Al: Aluminum
6. Si: Silicon
7. K: Potassium
8. Ca: Calcium
9. Ba: Barium
10. Fe: Iron

**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

**Note:** Delete “ID” and “Class” columns from the data table before presenting the data for principal component analysis or factor analysis.