



Data Mining with Weka

The glass data

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The glass data

Weka Explorer

Preprocess Classify Cluster Associate Select attributes Visualize

Open file... Open URL... Open DB... Generate... Undo Edit... Save...

Filter: Choose None Apply

Current relation: Relation: Glass Instances: 214 Attributes: 10

Attributes: All None Invert Pattern

| No. | Name |
|-----|--|
| 1 | <input checked="" type="checkbox"/> RI |
| 2 | <input type="checkbox"/> Na |
| 3 | <input type="checkbox"/> Mg |
| 4 | <input type="checkbox"/> Al |
| 5 | <input type="checkbox"/> Si |
| 6 | <input type="checkbox"/> K |
| 7 | <input type="checkbox"/> Ca |
| 8 | <input type="checkbox"/> Ba |
| 9 | <input type="checkbox"/> Fe |
| 10 | <input type="checkbox"/> Type |

Remove

Name: RI Type: Numeric
Missing: 0 (0%) Distinct: 178 Unique: 145 (68%)

| Statistic | Value |
|-----------|-------|
| Minimum | 1.511 |
| Maximum | 1.534 |
| Mean | 1.518 |
| StdDev | 0.003 |

Class: Type (Nom) Visualize All

Status: OK Log x 0

The glass data

- ❖ The classification problem
- ❖ *weather.nominal, weather.numeric*
- ❖ Nominal vs numeric attributes
- ❖ ARFF file format
- ❖ *glass.arff* dataset
- ❖ Sanity checking attributes