



# Data Mining with Weka

*The weather data*

Ian H. Witten

# The weather data

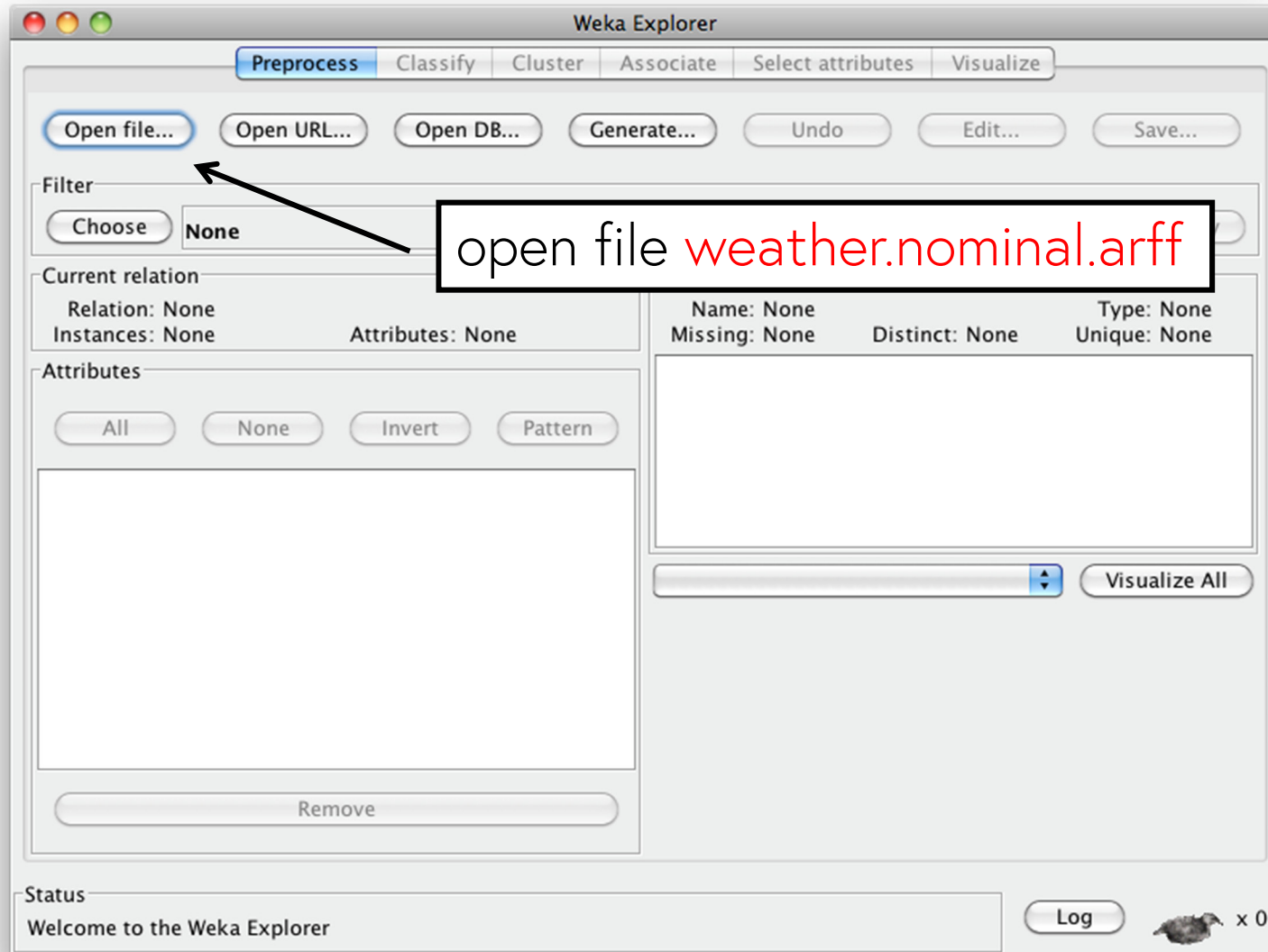
attributes

instances

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14

| Outlook  | Temp | Humidity | Windy | Play |
|----------|------|----------|-------|------|
| Sunny    | Hot  | High     | False | No   |
| Sunny    | Hot  | High     | True  | No   |
| Overcast | Hot  | High     | False | Yes  |
| Rainy    | Mild | High     | False | Yes  |
| Rainy    | Cool | Normal   | False | Yes  |
| Rainy    | Cool | Normal   | True  | No   |
| Overcast | Cool | Normal   | True  | Yes  |
| Sunny    | Mild | High     | False | No   |
| Sunny    | Cool | Normal   | False | Yes  |
| Rainy    | Mild | Normal   | False | Yes  |
| Sunny    | Mild | Normal   | True  | Yes  |
| Overcast | Mild | High     | True  | Yes  |
| Overcast | Hot  | Normal   | False | Yes  |
| Rainy    | Mild | High     | True  | No   |

# The weather data



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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: weather.symbolic  
Instances: 14 Attributes: 5

Attributes  
All None Invert Pattern

| No. | Name  |
|-----|---|
| 1   | <input checked="" type="checkbox"/> outlook |
| 2   | <input type="checkbox"/> temperature        |
| 3   | <input type="checkbox"/> humidity           |
| 4   | <input type="checkbox"/> windy              |
| 5   | <input type="checkbox"/> play               |

Remove

Selected attribute  
Name: outlook  
Missing: 0 (0%) Distinct: 3 Type: Nominal  
Unique: 0 (0%)

| No. | Label    | Count |
|-----|----------|-------|
| 1   | sunny    | 5     |
| 2   | overcast | 4     |
| 3   | rainy    | 5     |

Class: play (Nom) Visualize All

Status  
OK

Log x 0

attribute  
values

attributes