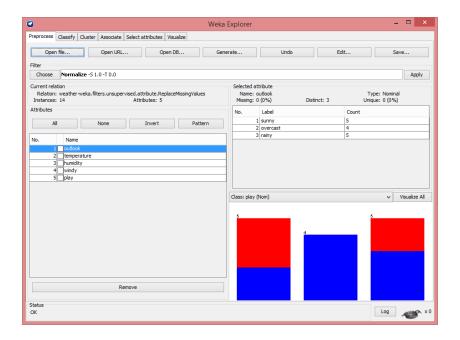
Lab Exercise One Data Preprocessing with WEKA Explorer

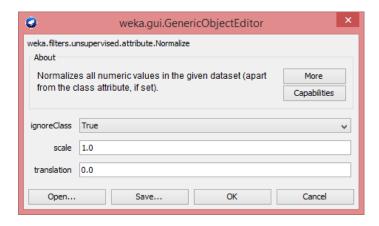
Using filters to perform Normalization

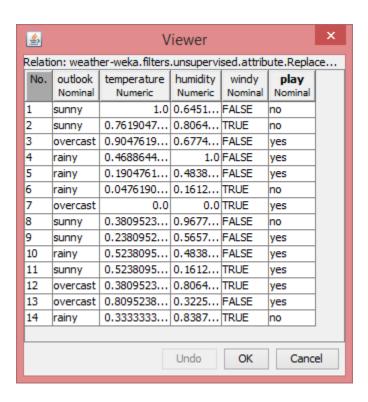
Unsupervised Attribute Filter – Normalize: This filter normalize all numeric values in the given dataset to the default range of [0.0, 1.0].

1. Open the processed_weather.numeric.arff data file (the missing values were replaced already).

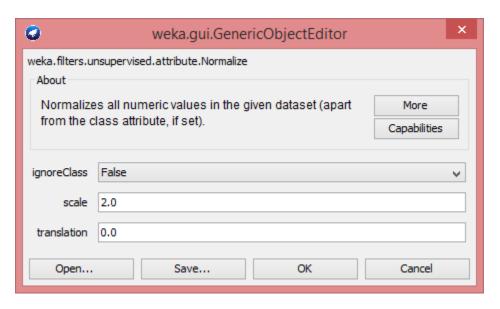


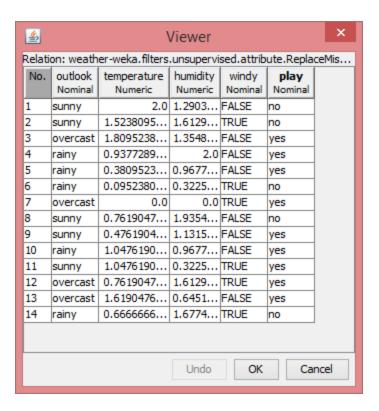
2. Choose filter **Normalize** from the drop-down list of **unsupervised attribute** filters and then left-click to open its properties window. We want to perform normalization on all numeric attributes. Click OK and Apply.



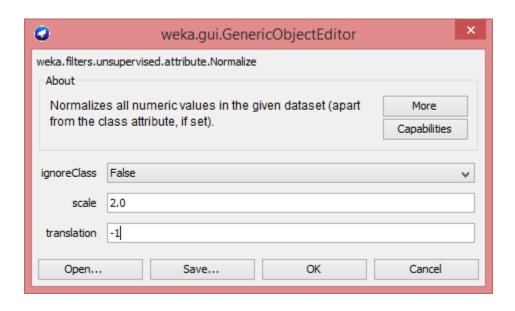


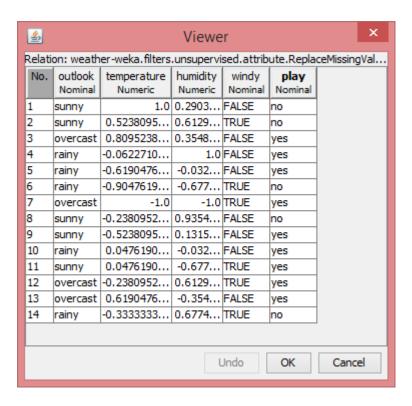
3. You could choose a different range by setting **scale** and **translation** factors. The scale is the difference between min. and max. values. When **scale** is 2 and **translation** is still 0, the range is [0.0, 2.0].





4. The translation is the distance between the min. and 0.0. When the scale is 2 and translation is -1, the range is [-1.0, 1.0].





5. You should save the dataset if you are satisfied with the results.