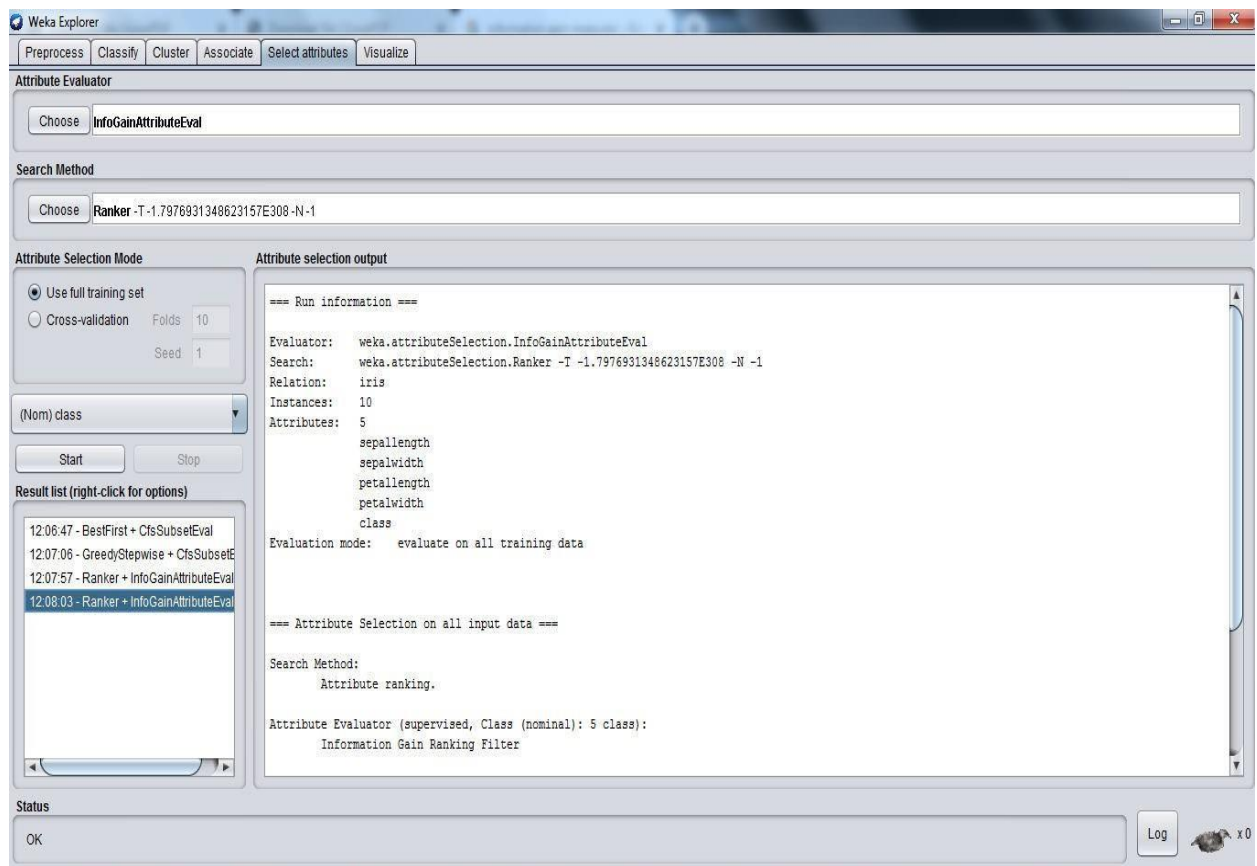


EX : 9 Calculating Information gains measures

Information gain (IG) measures how much “information” a feature gives us about the class. – Features that perfectly partition should give maximal information. – Unrelated features should give no information. It measures the reduction in entropy. CfsSubsetEval aims to identify a subset of attributes that are highly correlated with the target while not being strongly correlated with one another. It searches through the space of possible attribute subsets for the “best” one using the BestFirst search method by default, although other methods can be chosen. To use the wrapper method rather than a filter method, such as CfsSubsetEval, first select WrapperSubsetEval and then configure it by choosing a learning algorithm to apply and setting the number of cross-validation folds to use when evaluating it on each attribute subset.

Steps:

1. Open WEKA Tool.
2. Click on WEKA Explorer.
3. Click on Preprocessing tab button.
4. Click on open file button.
5. Select and Click on data option button.
6. Choose a data set and open file.
7. Click on select attribute tab and Choose attribute evaluator, search method algorithm



Click on start button.

