# ASSIGNMENT-1

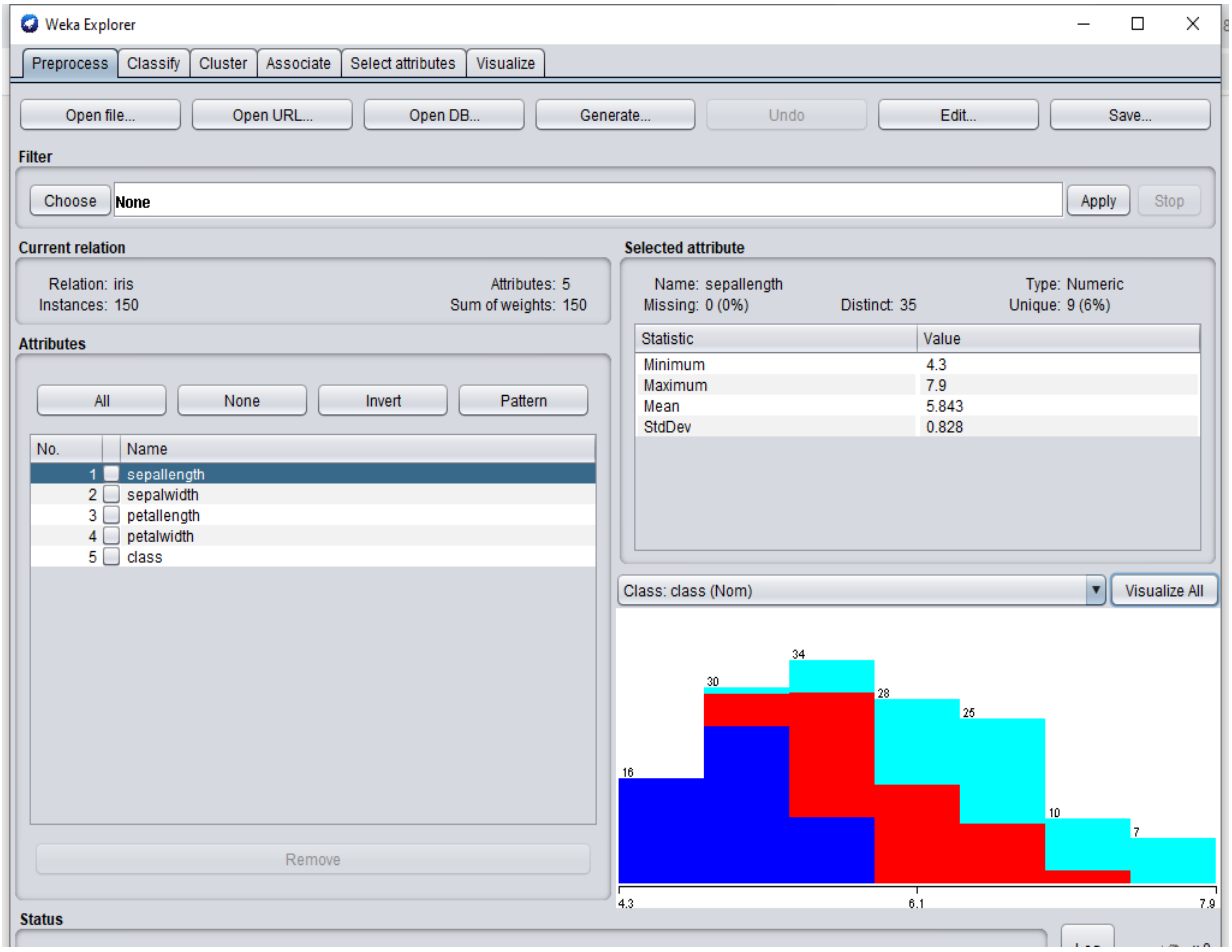
Load each dataset and Observe the Following:

## FOR IRIS DATASET:

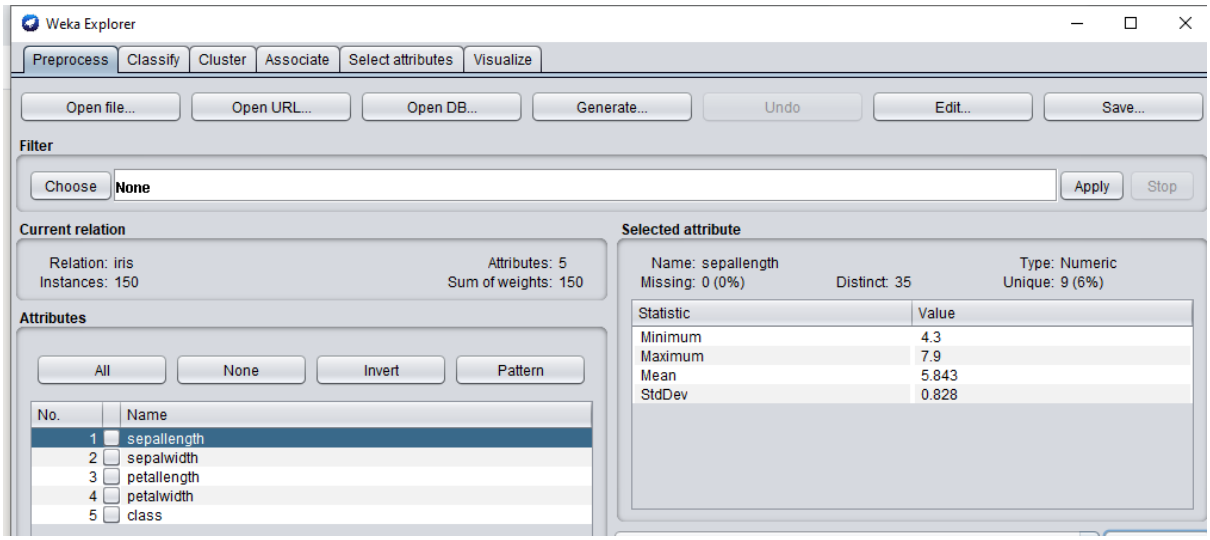
- Firstly open the iris arff file from Weka

1) List the attribute names and their types

| Attribute Name | Attribute Type |
|---|---|
| sepallength | Numeric |
| sepalwidth | Numeric |
| petallength | Numeric |
| petalwidth | Numeric |
| class | Nominal |

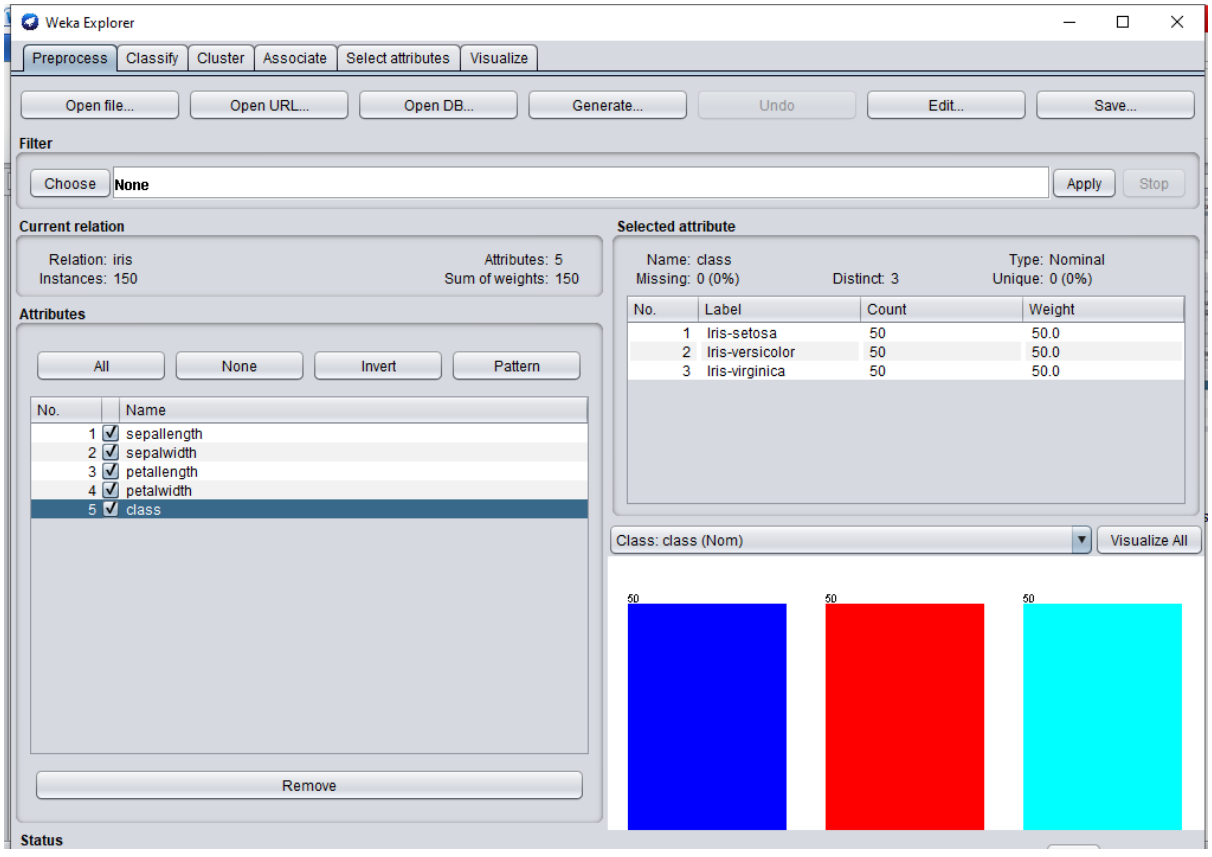


2) Number of records in the dataset

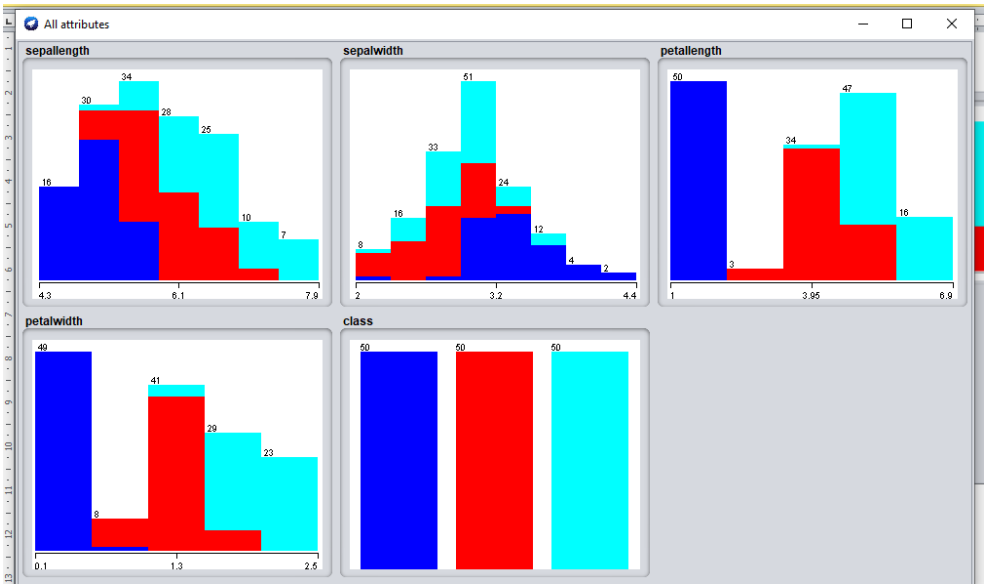



Therefore there are 150 records.

3) Identify the class attribute in the dataset : class



4) Graphical histogram representation of all attributes against class attribute




5) Determine the number of records for each class:

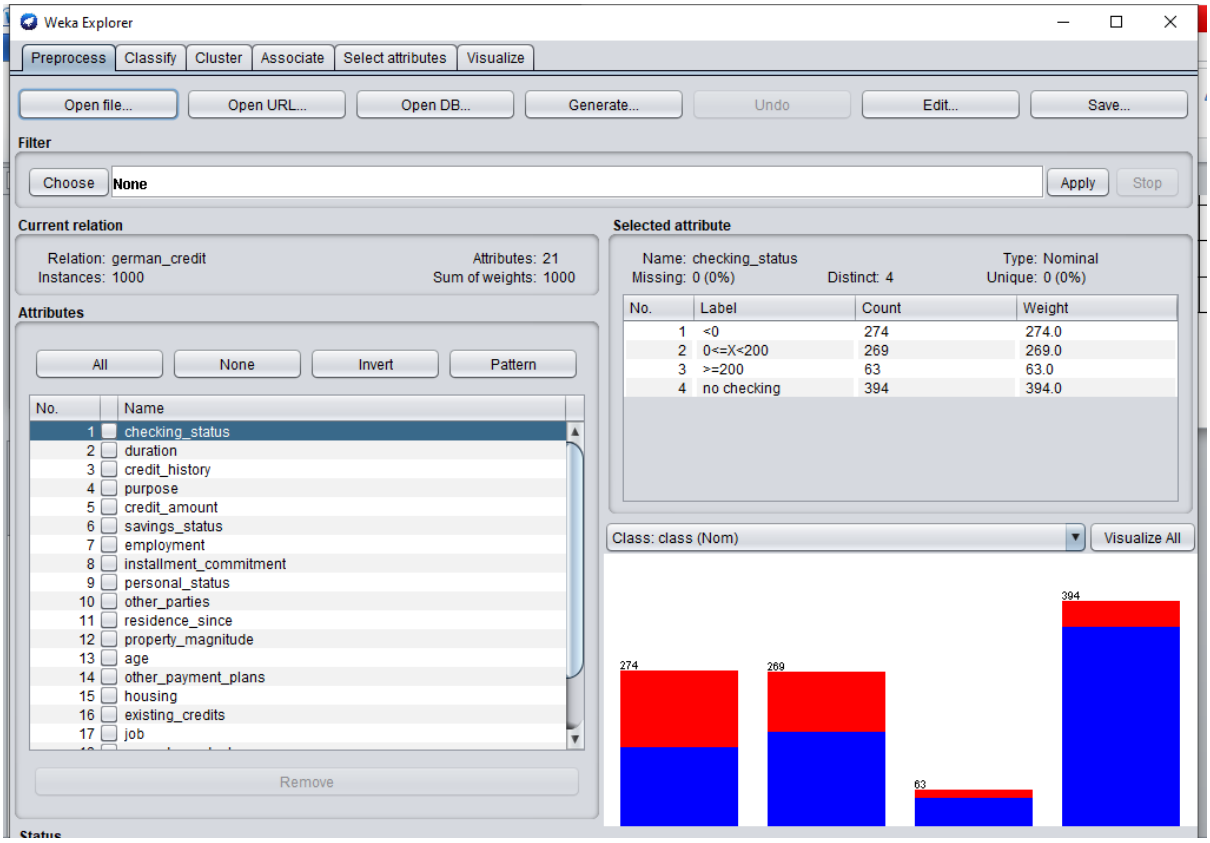

- Iris-setosa – 50 records
- Iris-virginica – 50 records
- Iris-versicolor – 50 records

## FOR GERMAN CREDIT DATASET :

1) List the attribute names and their types:

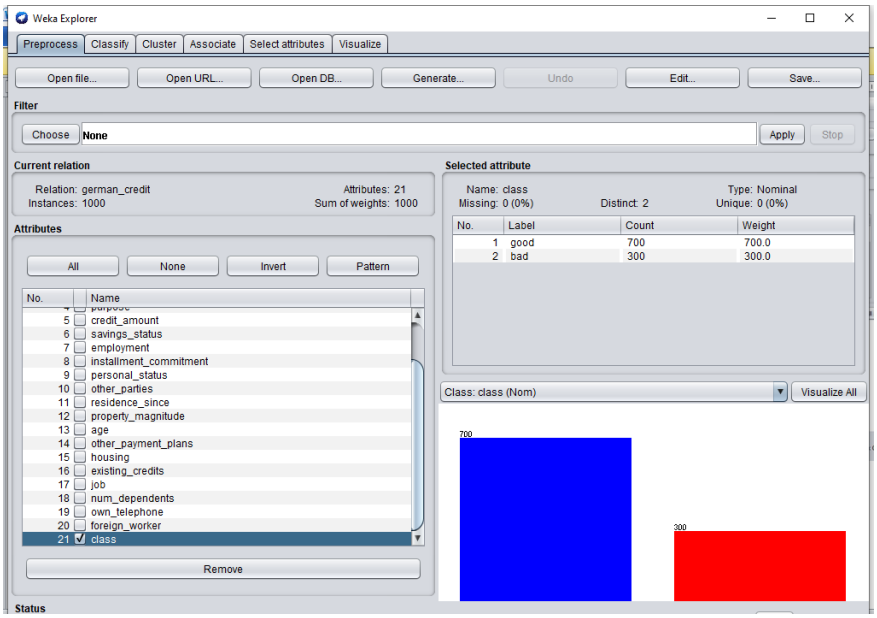
| Attribute Name | Attribute Type |
|---|---|
| credit_history | Nominal |
| purpose | Nominal |
| credit_amount | Numeric |
| serving_status | Nominal |
| employment | Nominal |
| installment_commitment | Numeric |
| personal_status | Nominal |
| other_parties | Nominal |
| residence_since | Numeric |
| property_magnitude | Nominal |
| age | Numeric |
| duration | Numeric |
| housing | Nominal |
| existing_credits | Numeric |
| job | Nominal |
| other_payment_plans | Nominal |
| checking_status | Nominal |
| num_dependents | Numeric |
| own_telephone | Nominal |
| foreign_worker | Nominal |
| class | Nominal |

2) Number of records in the dataset

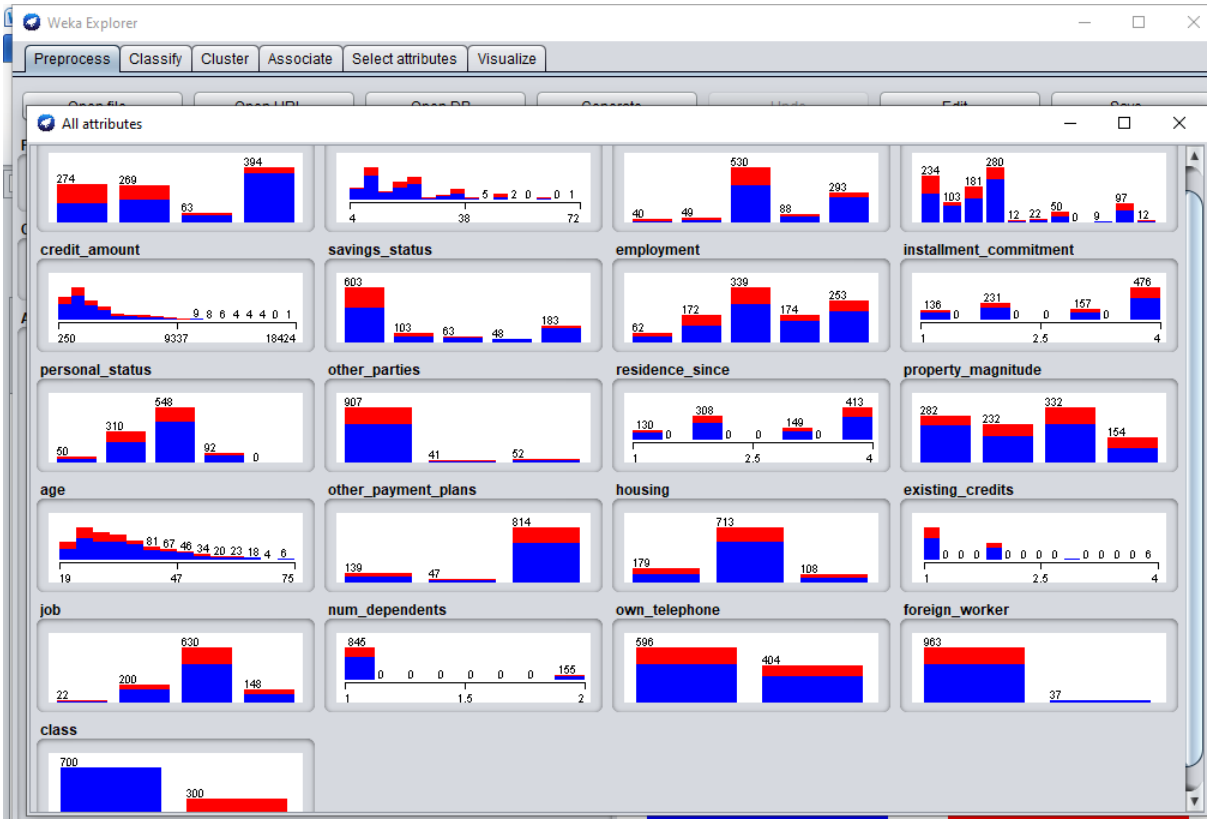



- Therefore there are 1000 Records

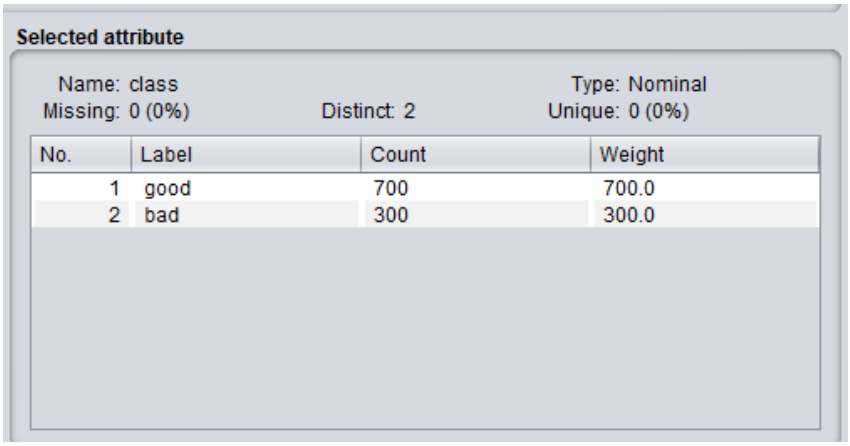
3) Identify the class attribute in the dataset : class



4) Graphical histogram representation of all attributes against class attribute




5) Determine the number of records for each class:




- Good – 700 records
- Bad – 300 records