**ASSIGNMENT-1**

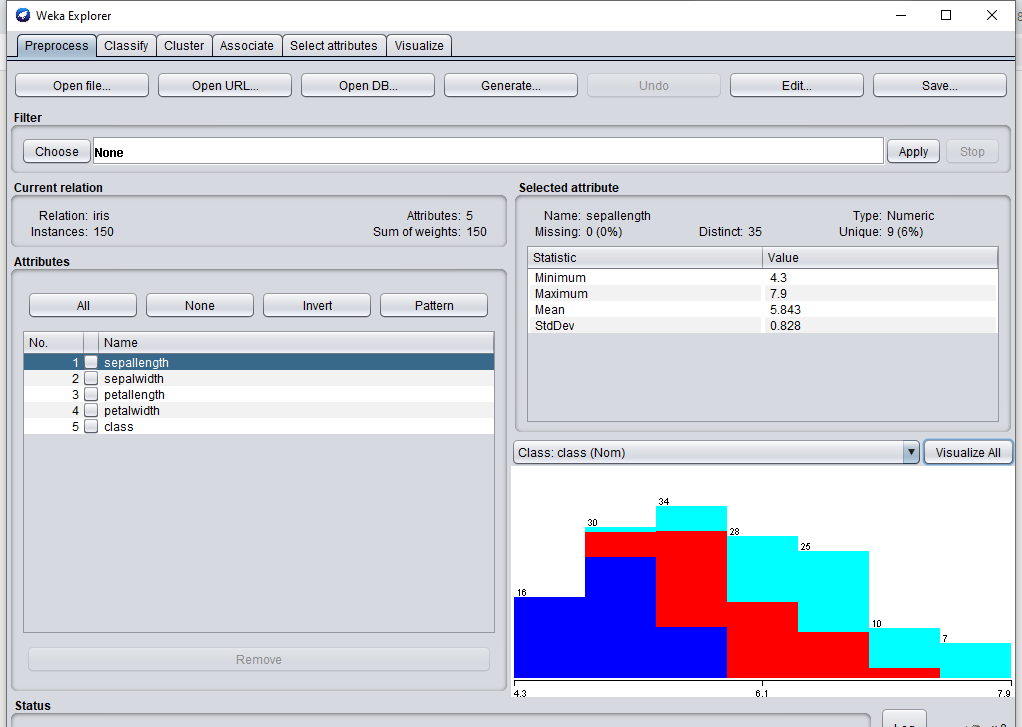
Load each dataset and Observe the Following:

**FOR IRIS DATASET:**

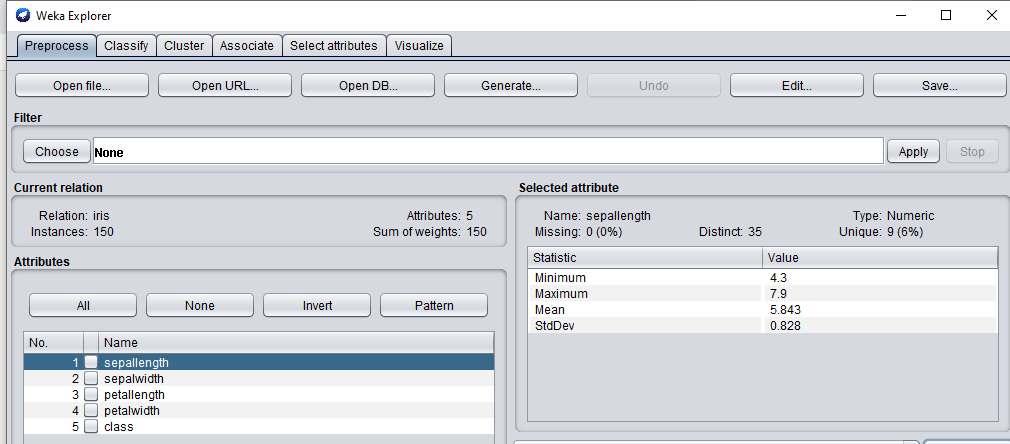
* Firstly open the iris arff file from Weka

1. List the attribute names and their types

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

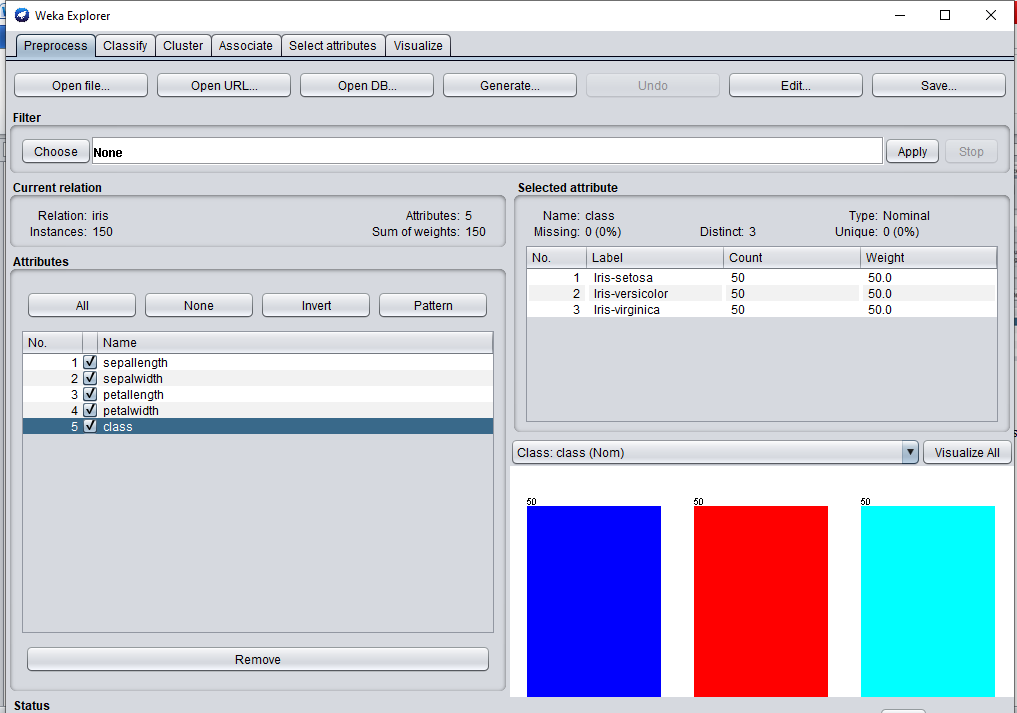


1. Number of records in the dataset

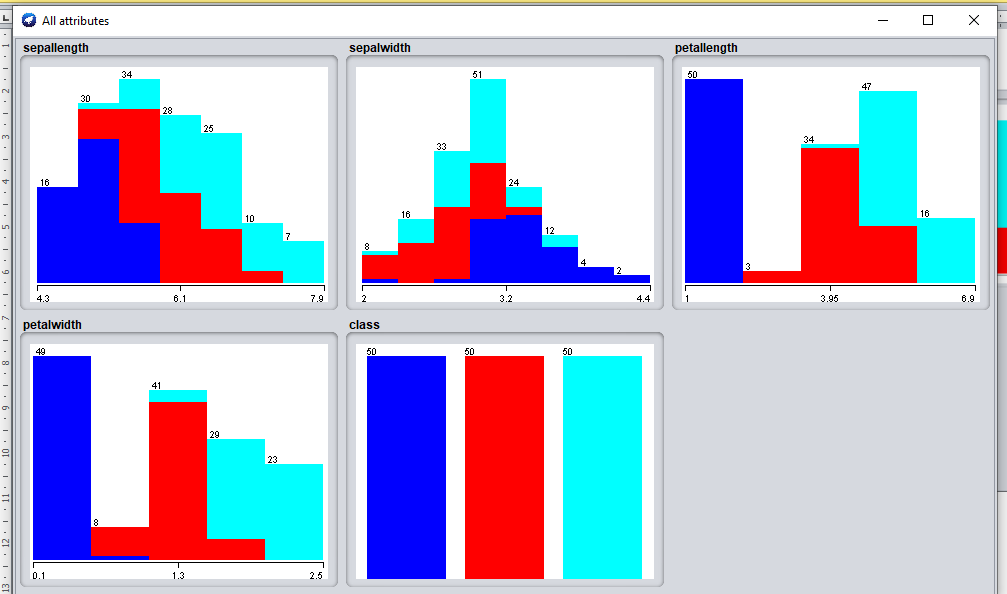


Therefore there are 150 records.

1. Identify the class attribute in the dataset : class



1. Graphical histogram representation of all attributes against class attribute



1. Determine the number of records for each class:



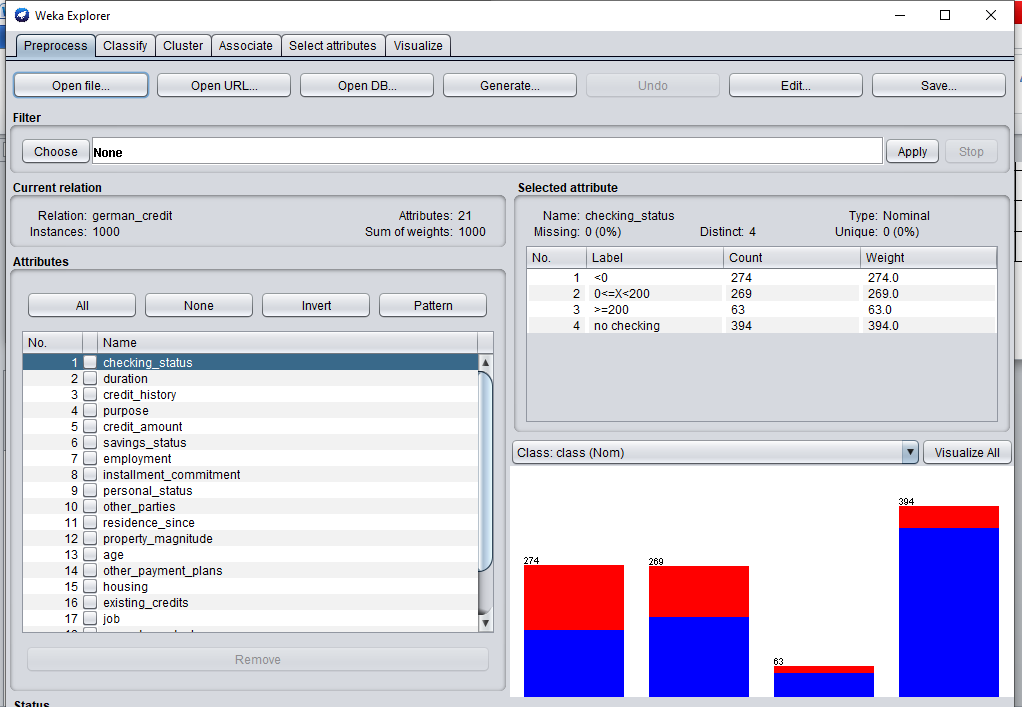
* Iris-setosa – 50 records
* Iris-virginica – 50 records
* Iris-versicolor – 50 records

**FOR GERMAN CREDIT DATASET :**

1. List the attribute names and their types:

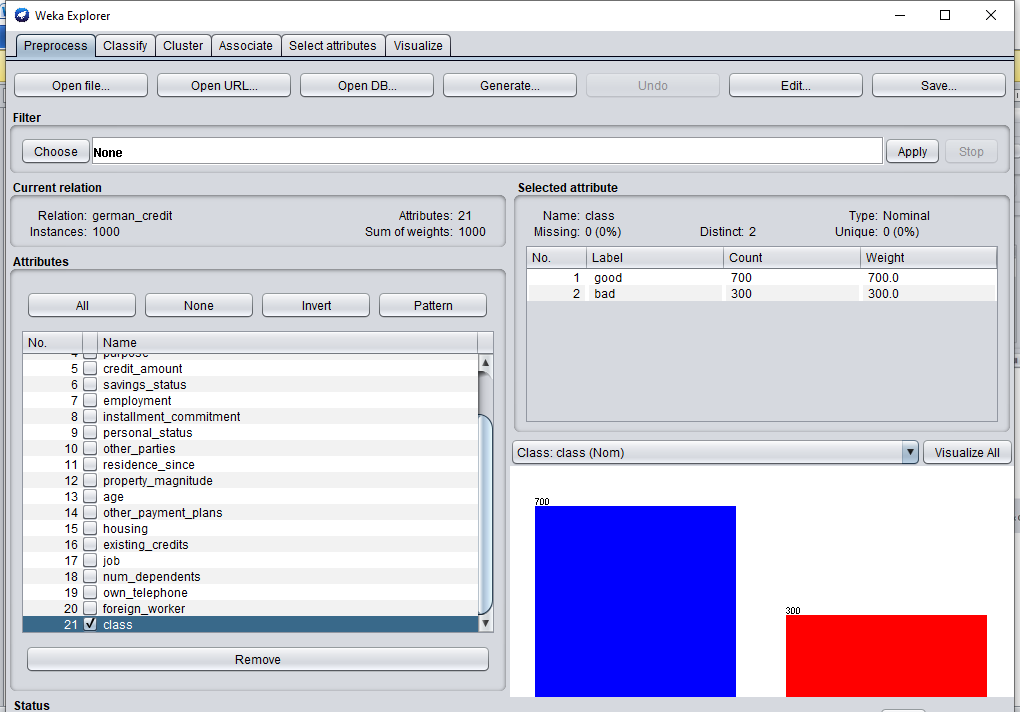
|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| credit\_history | Nominal |
| purpose | Nominal |
| credit\_amount | Numeric |
| serving\_status | Nominal |
| employment | Nominal |
| installment\_commitment | Numeric |
| personal\_status | Nominal |
| other\_parties | Nominal |
| 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 |

1. Number of records in the dataset

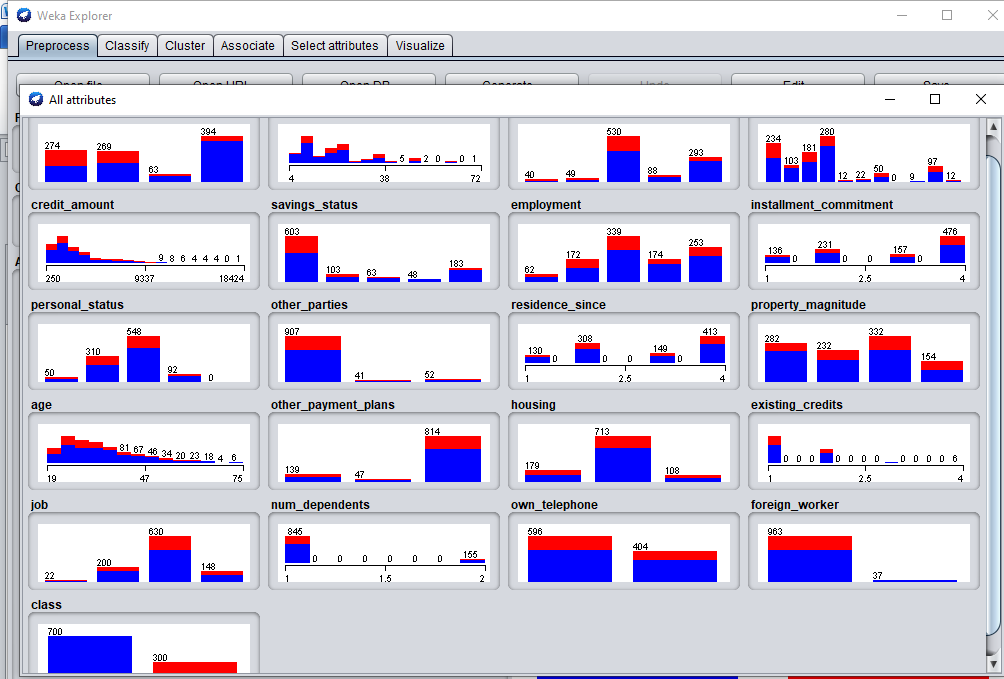


* Therefore there are 1000 Records

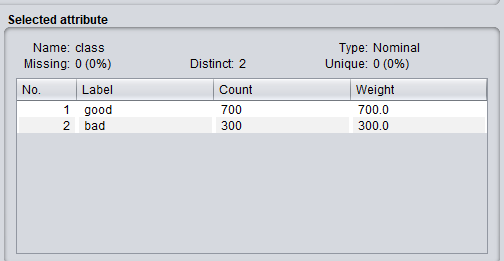
1. Identify the class attribute in the dataset : class



1. Graphical histogram representation of all attributes against class attribute



1. Determine the number of records for each class:



* Good – 700 records
* Bad – 300 records