ASSIGNMENT-1

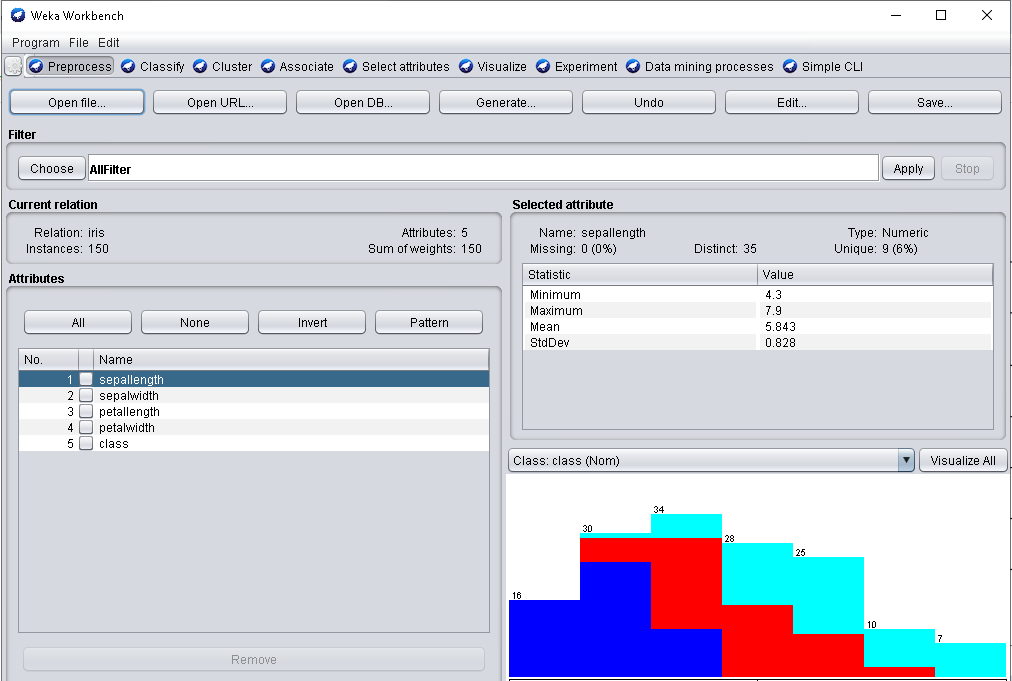
Load each dataset and observe the following:

**FOR IRIS DATASET:**

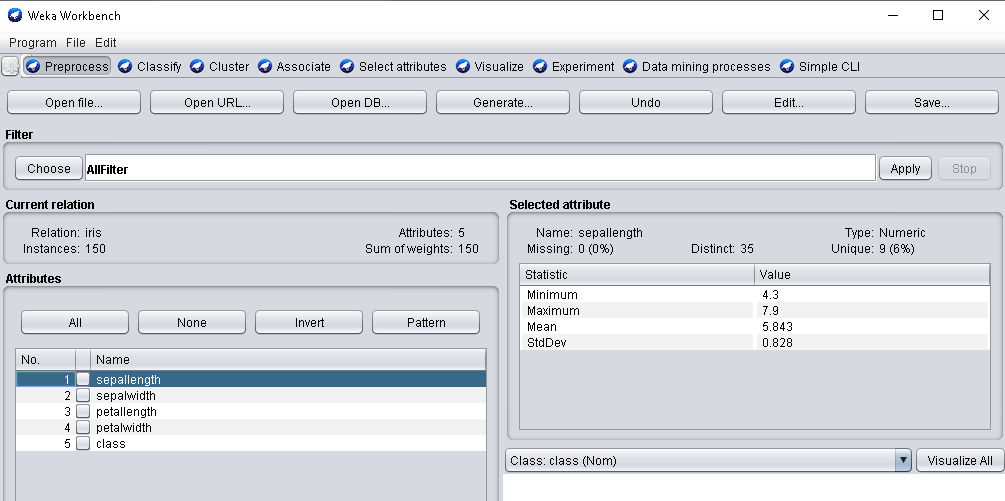
First open the iris arff file from Weka

1. **List the attribute names and their types**

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

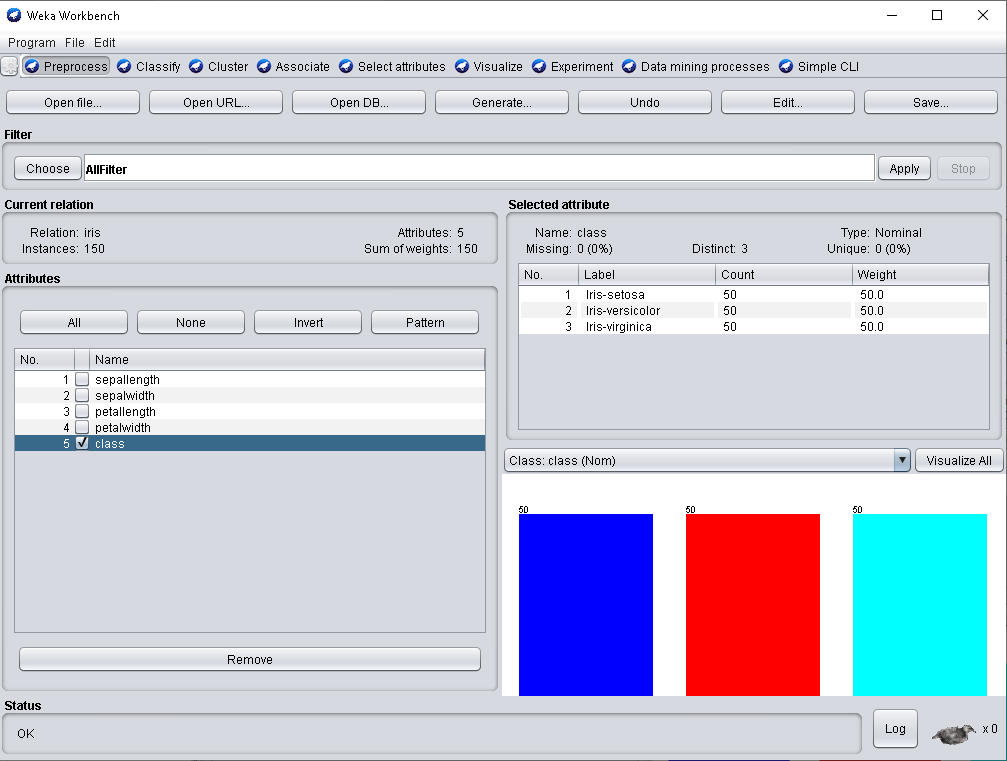


1. **Number of records in the dataset**

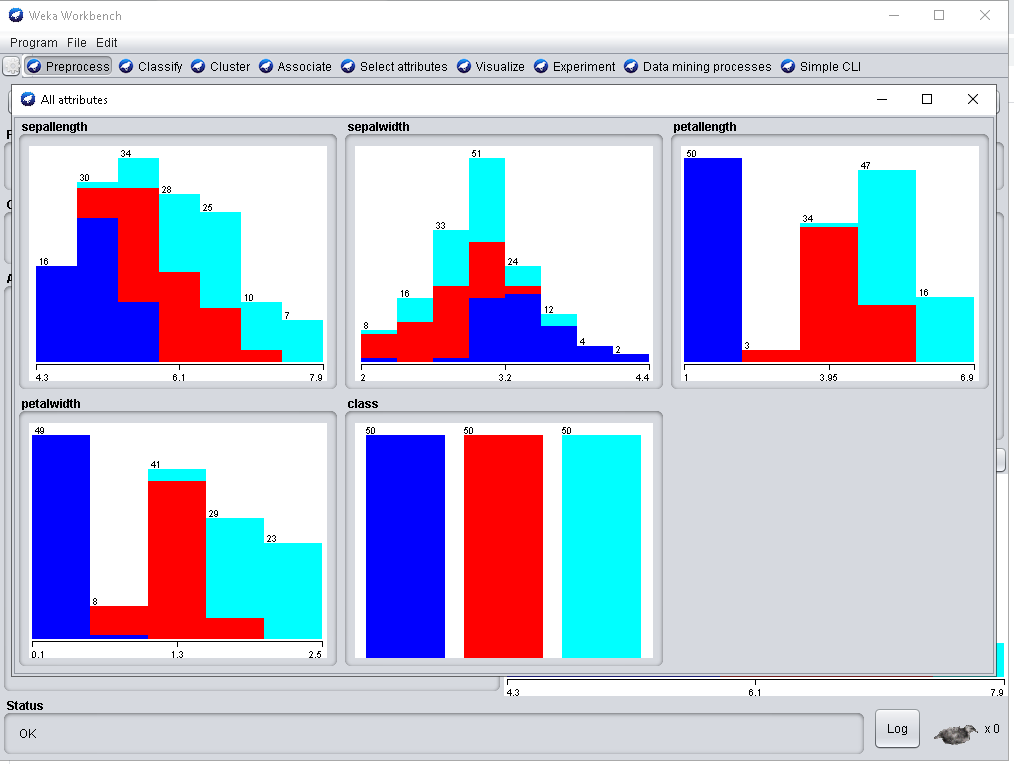


There are 150 records.

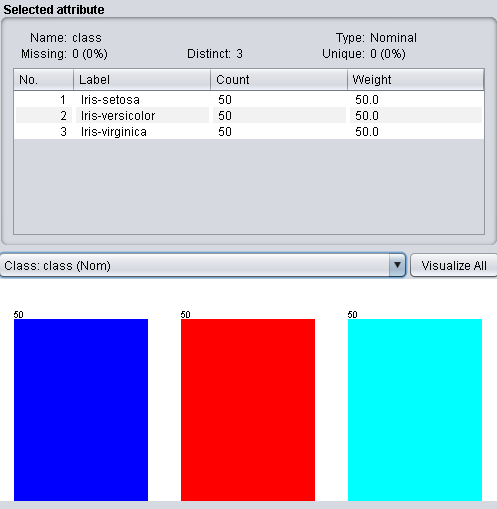
1. **Identify the class attribute in the dataset: class**



1. **Graphical histogram representation of all attributes against class attribute.**



1. **Determine the number of records for each class:**

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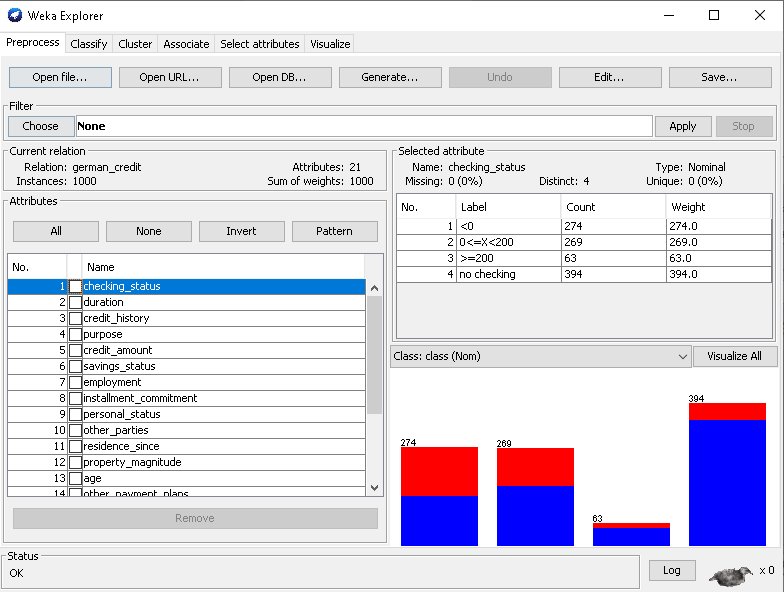
1. Iris-setosa-50 records
2. Iris-versicolor-50 records
3. Iris-virginica-50 recods

**FOR GERMAN CREDIT DATASET:**

1. **List the attribute names and their types:**

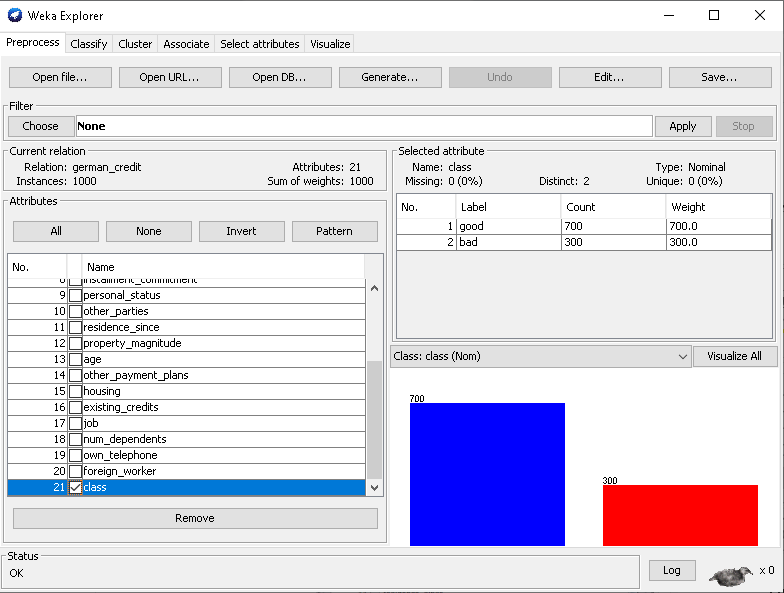
|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| checking\_status | Nominal |
| Duration | Numeric |
| credit\_history | Numeric |
| purpose | Nominal |
| credit\_amount | Numeric |
| saving\_status | Numeric |
| employment | Nominal |
| installment\_commitment | Numeric |
| personal\_status | Nominal |
| other\_parties | Nominal |
| residence\_since | Numeric |
| property\_magnitude | Nominal |
| age | Numeric |
| other\_payment\_plans | Nominal |
| housing | Nominal |
| existing\_credits | Numeric |
| job | Nominal |
| num\_dependents | Numeric |
| own\_telephone | Nominal |
| foreign\_worker | Nominal |
| class | Nominal |

1. **Number of records in the dataset.**

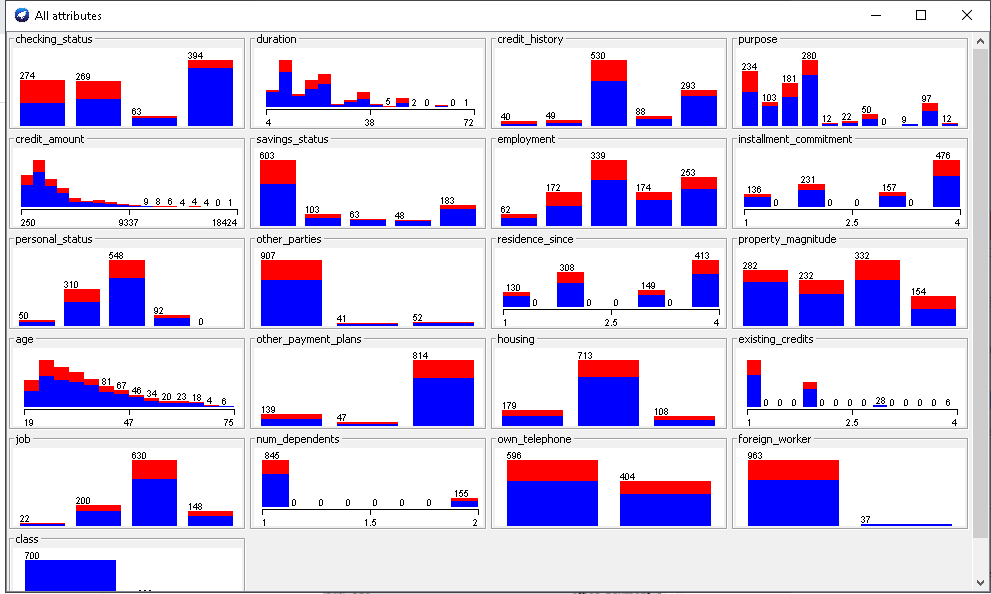


Therefore there are 1000 records.

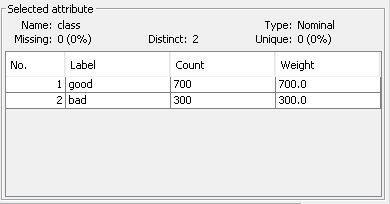
1. **Identify the class attribute in the dataset:class**



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.