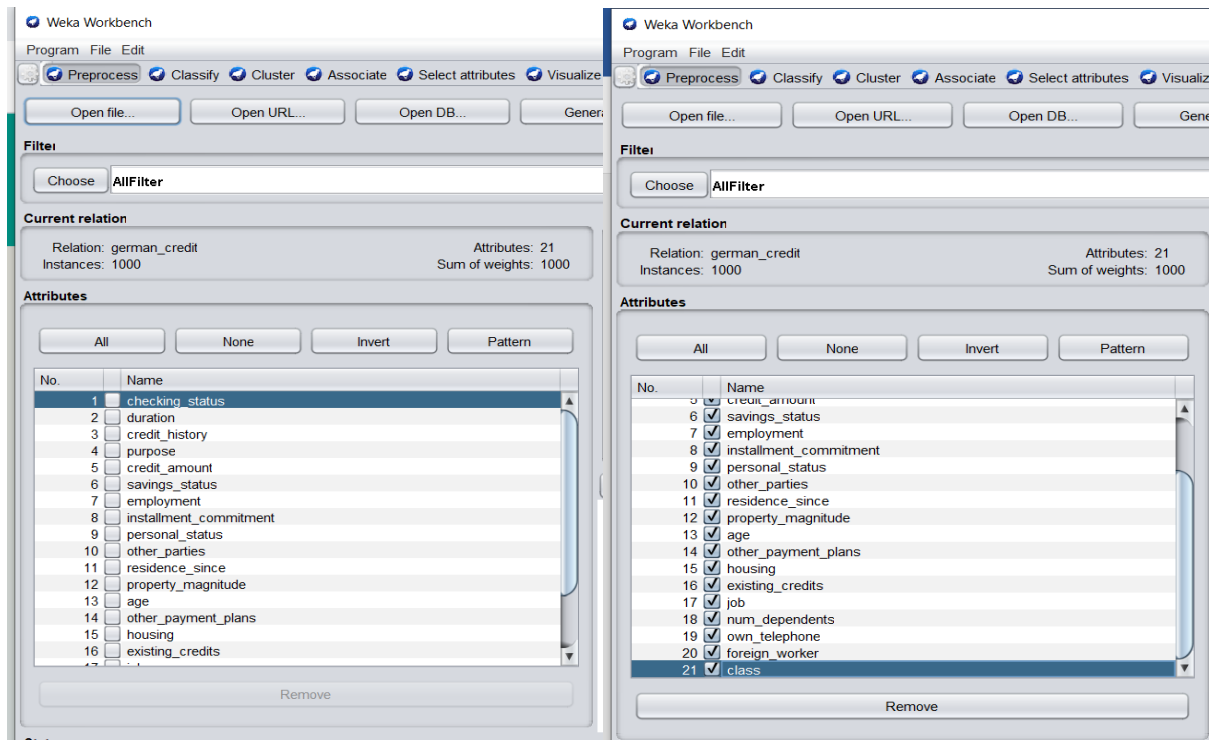


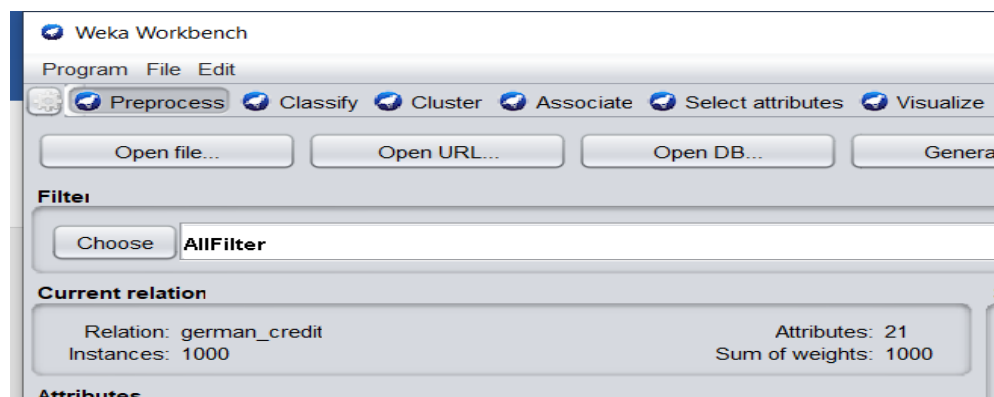
## **OBSERVATIONS FOR GERMAN CREDIT DATASET :**

1. List the attribute names and their types:

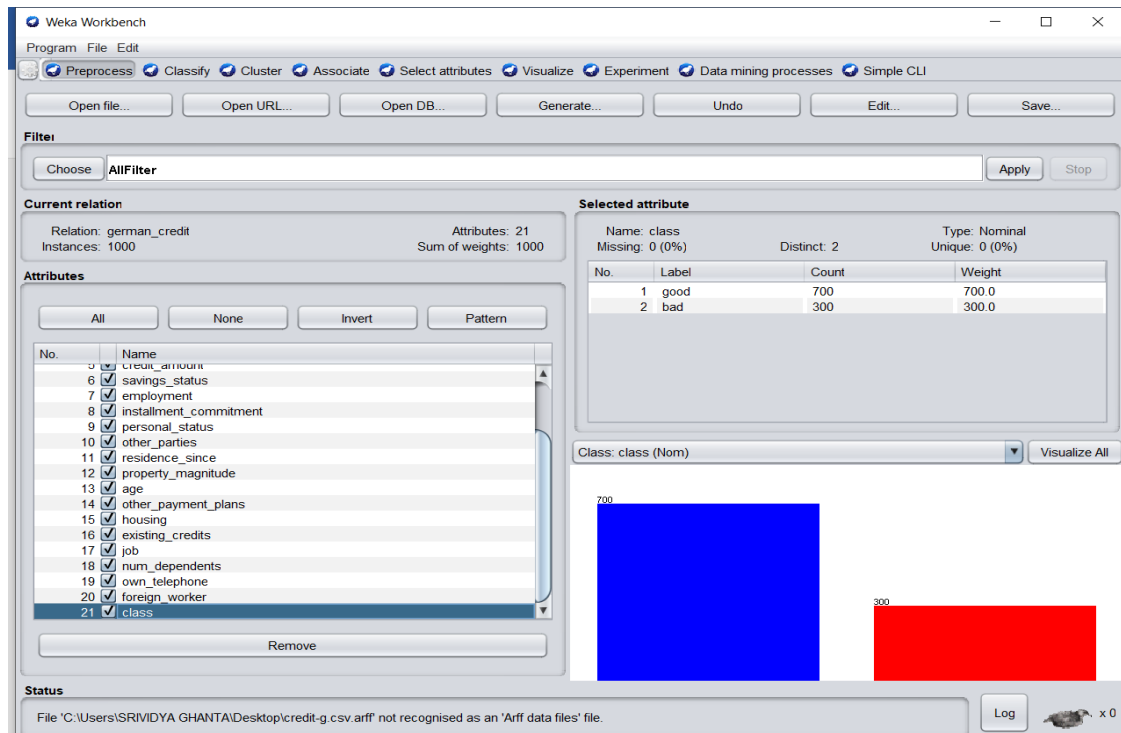
<b>Attribute Name</b>	<b>Attribute Type</b>
credit_history	Nominal
purpose	Nominal
credit_amount	Numeric
serving_status	Nominal
employment	Nominal
installment_commitment	Numeric
personal_status	Nominal
other_parties	Nominal
residence_since	Numeric
property_magnitude	Nominal
age	Numeric
duration	Numeric
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



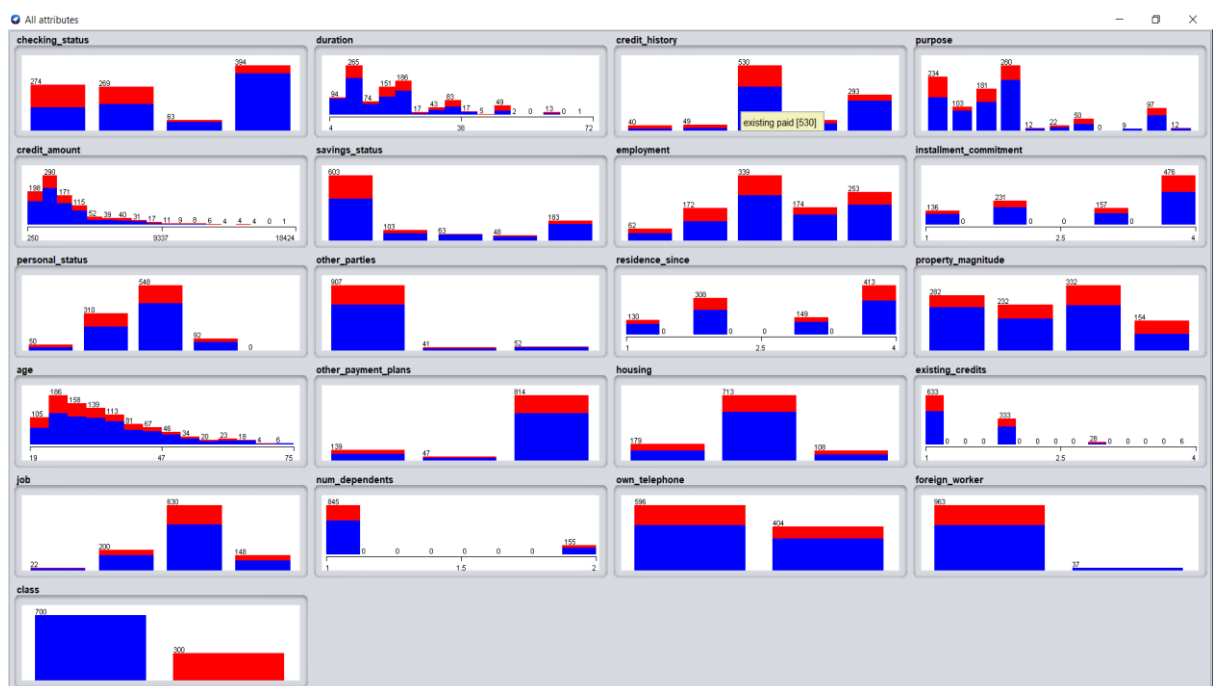
2. Number of records in the dataset : 1000



### 3. Identify the class attribute in the dataset : class

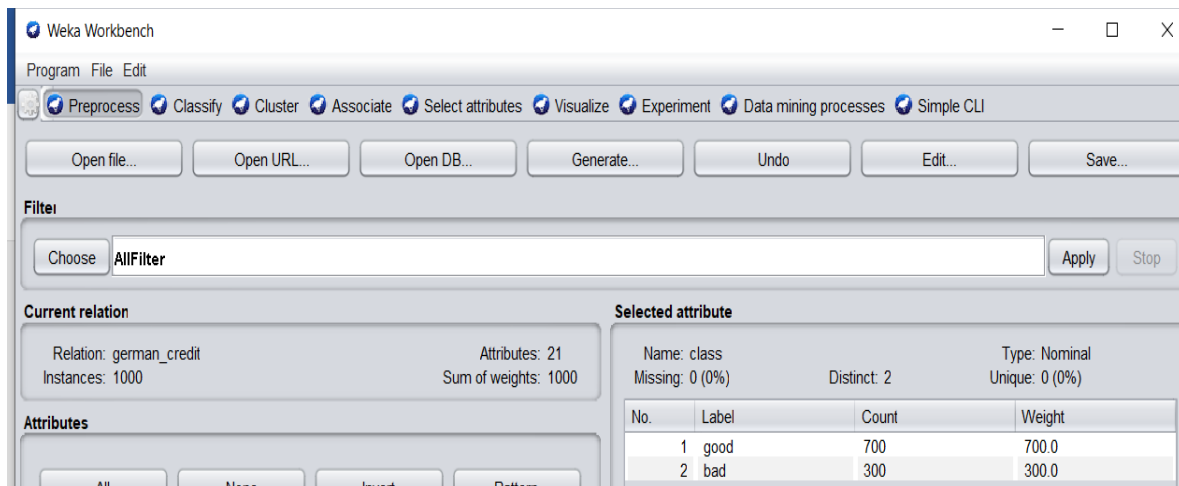


### 4. Graphical histogram representation of all attributes against class attribute



## 5. Determine the number of records for each class:

- Good – 700 records
- Bad – 300 records



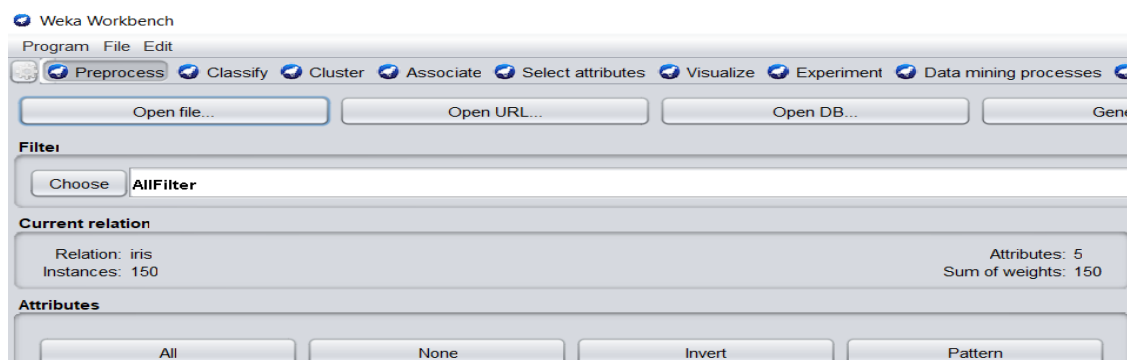
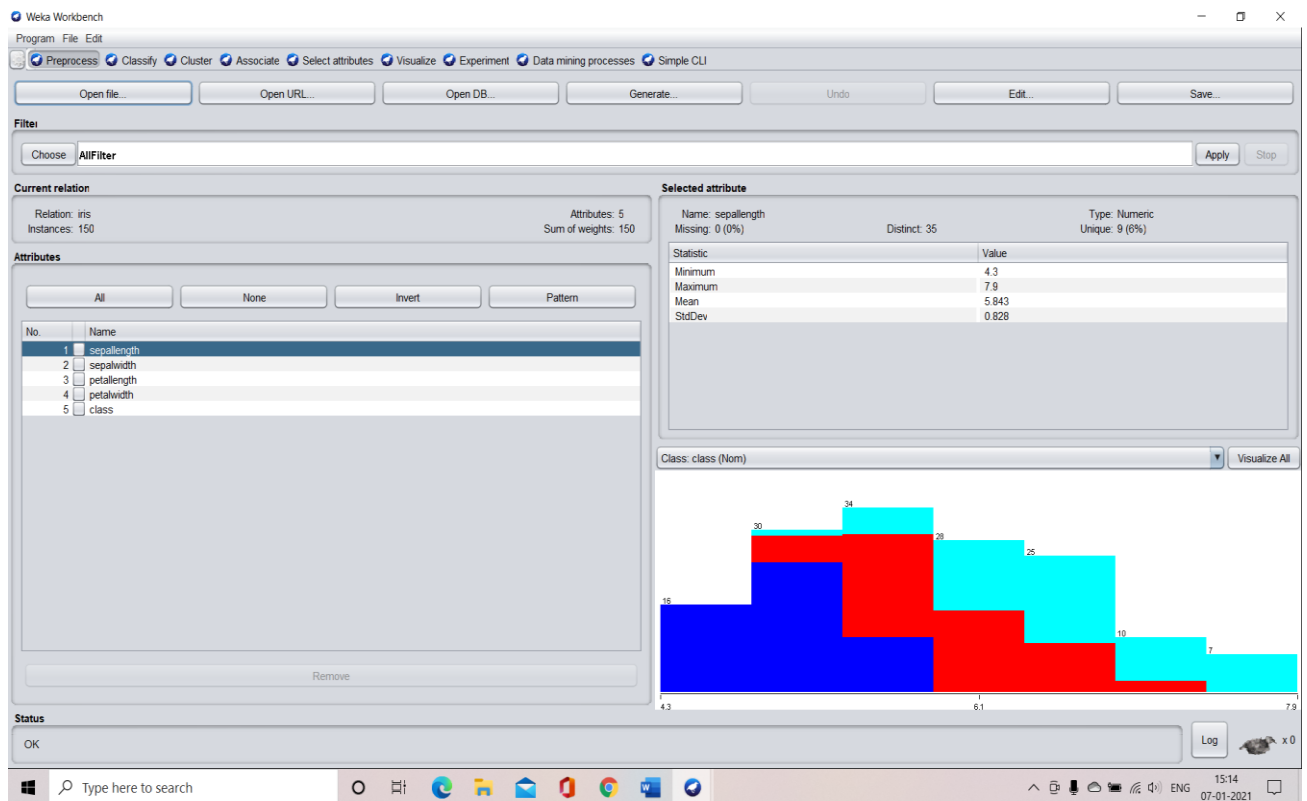
The screenshot shows the Weka Workbench interface. The 'Filter' dropdown is set to 'AllFilter'. The 'Current relation' panel shows 'Relation: german\_credit' with 'Instances: 1000' and 'Attributes: 21'. The 'Selected attribute' panel shows 'Name: class' with 'Missing: 0 (0%)', 'Distinct: 2', and 'Type: Nominal'. Below this, a table displays the distribution of the 'class' attribute.

No.	Label	Count	Weight
1	good	700	700.0
2	bad	300	300.0

## OBSERVATIONS FOR IRIS DATASET :

1. List the attribute names and their types:

Attribute Name	Attribute Type
sepalength	Numeric
sepalwidth	Numeric
petallength	Numeric
petalwidth	Numeric
class	Nominal



## 2. Number of records in the dataset: 150

The screenshot shows the Weka Workbench interface. The 'Current relation' panel displays 'Relation: iris' and 'Instances: 150'. The 'Selected attribute' panel shows 'Name: sepalength', 'Missing: 0 (0%)', 'Distinct: 35', and 'Type: Numeric Unique: 9 (6%)'. A table of statistics for 'sepalength' is also visible.

Statistic	Value
Minimum	4.3
Maximum	7.9
Mean	5.843
StdDev	0.828

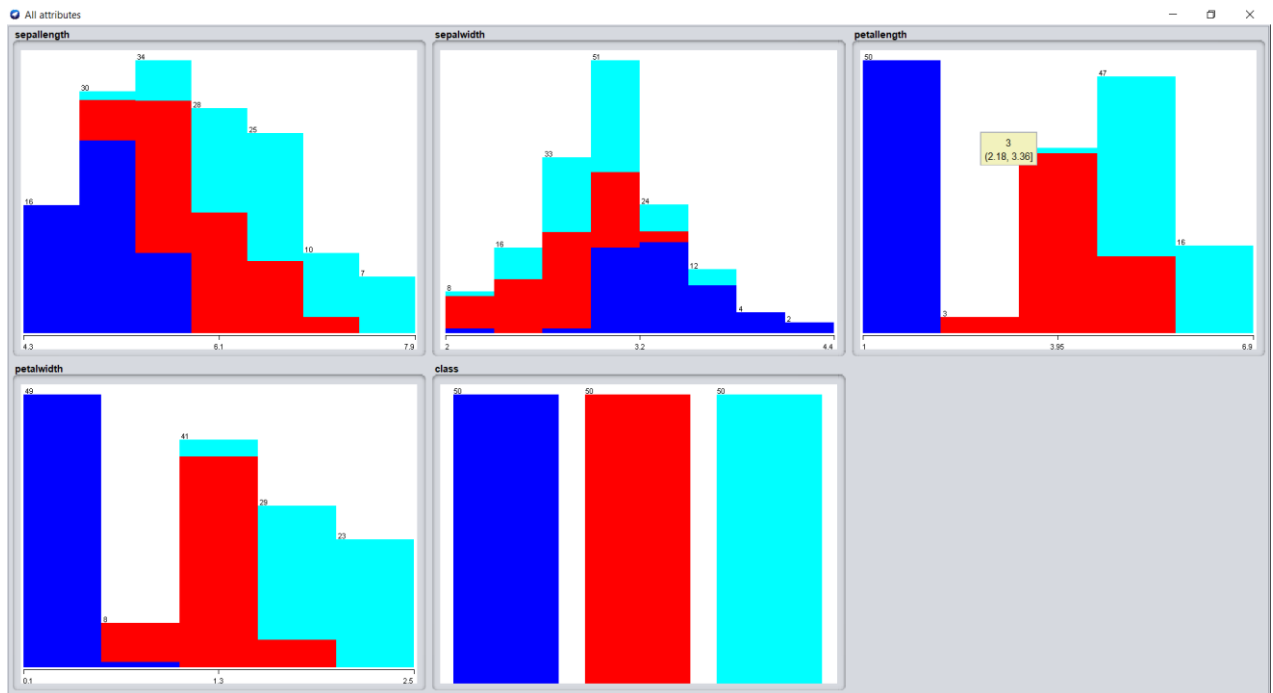
## 3. Identify the class attribute in the dataset : class

The screenshot shows the Weka Workbench interface. The 'Current relation' panel displays 'Relation: iris' and 'Instances: 150'. The 'Selected attribute' panel shows 'Name: class', 'Missing: 0 (0%)', 'Distinct: 3', and 'Type: Nominal Unique: 0 (0%)'. A table of statistics for 'class' is also visible.

No.	Label	Count	Weight
1	Iris-setosa	50	50.0
2	Iris-versicolor	50	50.0
3	Iris-virginica	50	50.0

Class: class (Nom) Visualize All

#### 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

