WEEK-2

Creating new Arff File and CSV file using weather dataset, load the dataset and observe.

WEATHER.NOMINAL

Step 1: List the attribute names and their types.

Name	Туре
outlook	nominal
temperature	nominal
humidity	nominal
windy	nominal
play	nominal

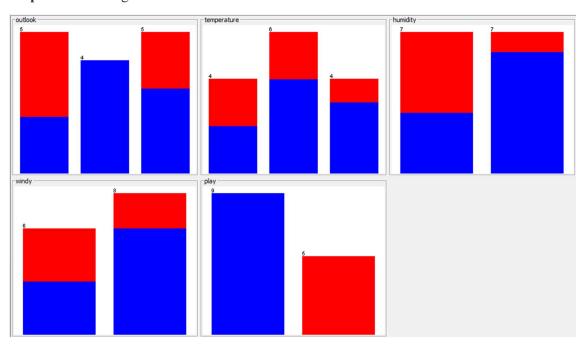
Step 2: Number of records in each dataset

Current relation	
Relation: weather.symbolic	Attributes: 5
Instances: 14	Sum of weights: 14

Step 3: Identify the class attribute (if any)

Name: pl Missing: 0		Distinct: 2	Type: Nominal Unique: 0 (0%)
No.	Label	Count	Weight
1	yes	9	9
2	no	5	5

Step 4: Plot Histogram



Step 5: Determine the number of records for each class

Name: pl Missing: 0		Distinct: 2	Type: Nominal Unique: 0 (0%)
No.	Label	Count	Weight
1	yes	9	9
2	no	5	5

Step 6: Visualize the data in various dimensions

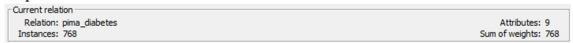
Plot Matrix	outlook	temperature	humidity	windy	play
play	8 0	⊜ ° ∘	8 0	8 8	8
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DIABETES.NOMINAL

Step 1: List the attribute names and their types.

Name	Туре
preg	numeric
plas	numeric
age	numeric
press	numeric
skin	numeric
insu	numeric
mass	numeric
pedi	numeric
age	numeric
class	nominal

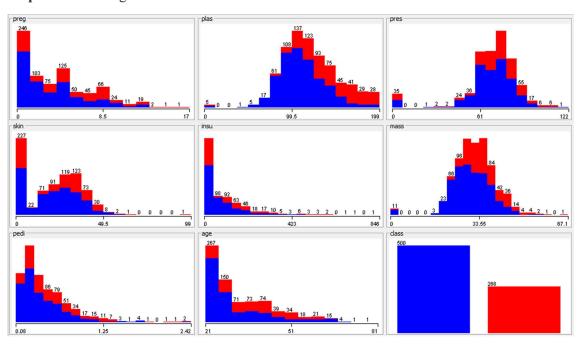
Step 2: Number of records in each dataset.



Step 3: Identify the class attribute (if any)

Name	d attribute e: class g: 0 (0%)	Distinct: 2	Type: Nominal Unique: 0 (0%)
No.	Label	Count	Weight
	1 tested_negative	500	500
	2 tested_positive	268	268

Step 4: Plot Histogram



Step 5: Determine the number of records for each class

 Current relation
 Attributes: 9

 Relation: pima_diabetes
 Attributes: 9

 Instances: 768
 Sum of weights: 768

Step 6: Visualize the data in various dimensions



IRIS.NOMINAL

Step 1: List the attribute names and their types.

Name	Type
Sepallenght	numeric
sepalwidth	numeric
petallength	numeric
petalwidth	numeric
class	nominal

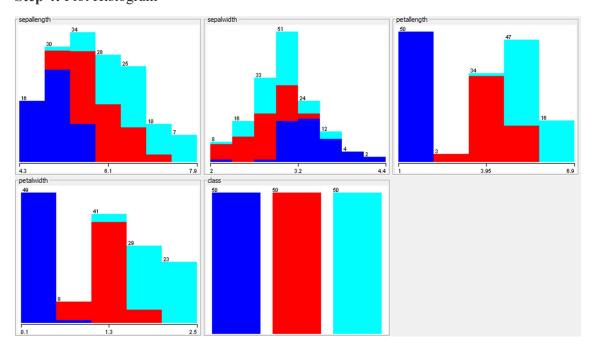
Step 2: Number of records in each dataset.

-Current relation	
Relation: iris	Attributes: 5
Instances: 150	Sum of weights: 150

Step 3: Identify the class attribute (if any)

Name: d Missing: 0		Distinct: 3	Type: Nominal Unique: 0 (0%)
No.	Label	Count	Weight
1	Iris-setosa	50	50
2	Iris-versicolor	50	50
3	Iris-virginica	50	50

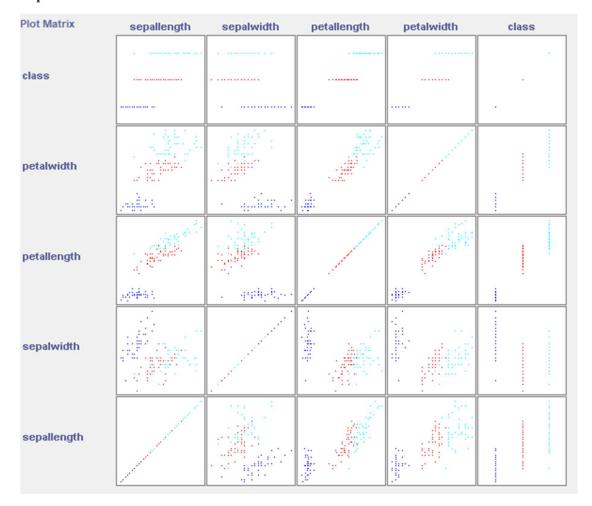
Step 4: Plot Histogram



Step 5: Determine the number of records for each class

Name: c Missing: 0		Distinct: 3	Type: Nominal Unique: 0 (0%)
No.	Label	Count	Weight
1	Iris-setosa	50	50
2	Iris-versicolor	50	50
3	Iris-virginica	50	50

Step 6: Visualize the data in various dimensions



CREDIT-G.NOMINAL

Step 1: List the attribute names and their types.

Name	Туре
checking_status	nominal
duration	numeric
credit_history	nominal
purpose	nominal
credit_amount	numeric
savings_status	nominal
employment	nominal
instalment_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
num_dependents	nominal
own_telephone	nominal
foreign_worker	nominal
class	nominal

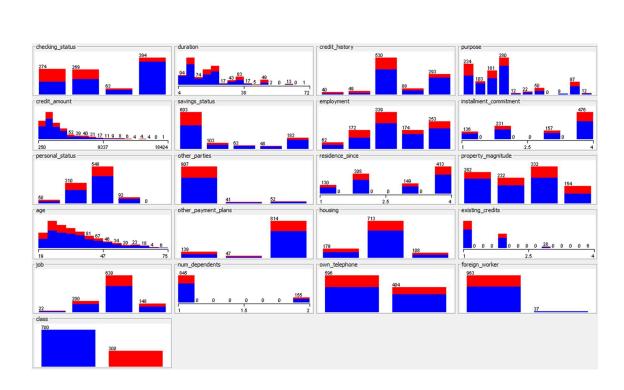
Step 2: Number of records in each dataset.

Current relation —	
Relation: german_credit	Attributes: 21
Instances: 1000	Sum of weights: 1000

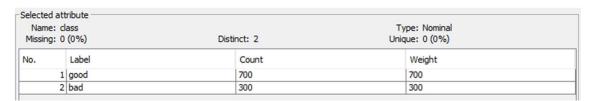
Step 3: Identify the class attribute (if any)

Name: class Missing: 0 (0%)		Distinct: 2	Type: Nominal Unique: 0 (0%)	
No.	Label	Count	Weight	
	1 good	700	700	
	2 bad	300	300	

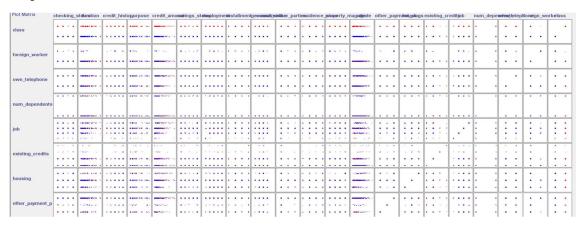
Step 4: Plot Histogram



Step 5: Determine the number of records for each class



Step 6: Visualize the data in various dimensions



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