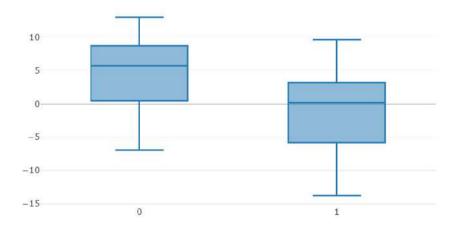
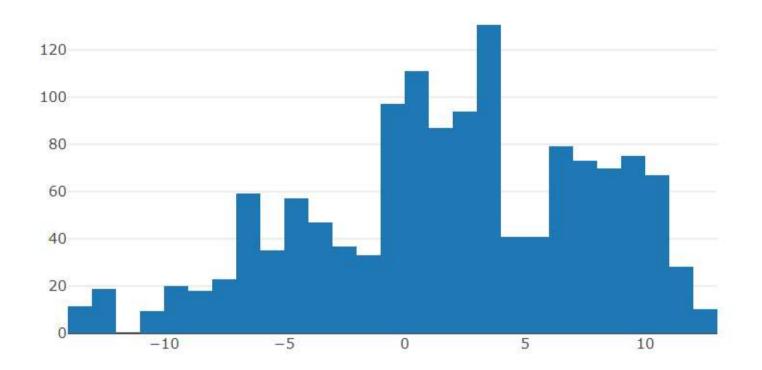
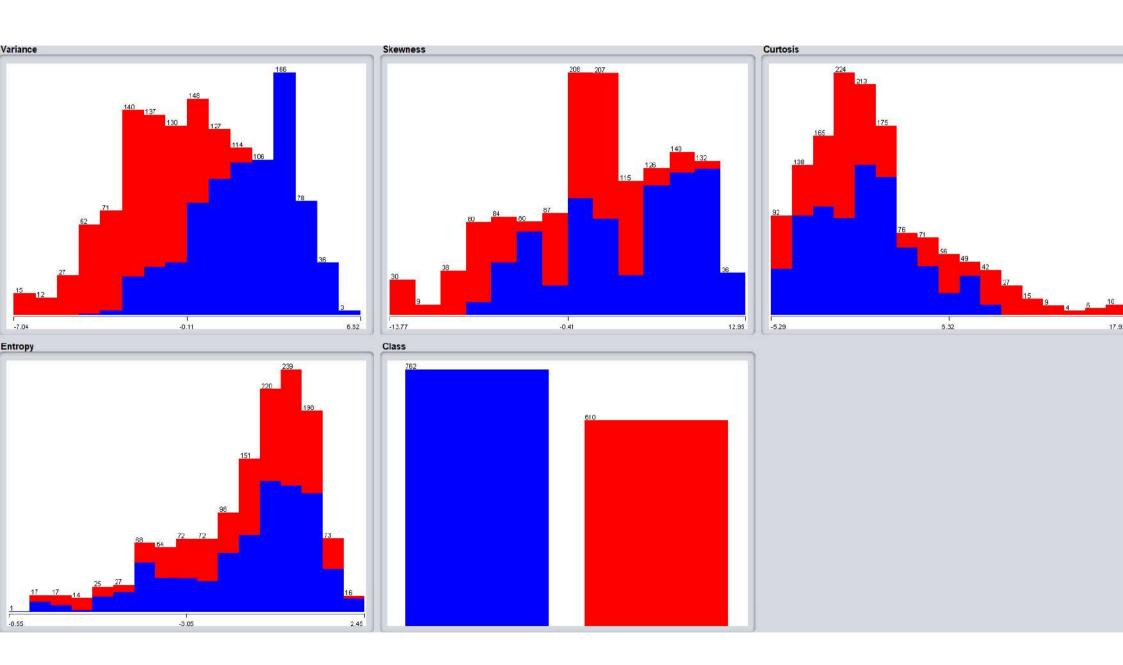


Class Distribution



Distribution of Skewness





Weka Explorer Preprocess Select attributes Associate Visualize Classify Cluster Plot Matrix Variance Entropy Skewness Curtosis Class Class Entropy Curtosis Skewness

```
=== Classifier model (full training set) ===
Logistic Regression with ridge parameter of 1.0E-8
Coefficients...
               Class
Variable
Variance
              7.8594
              4.191
Skewness
Curtosis
              5.2875
Entropy
              0.6053
Intercept
             -7.3219
```

Class

2590.0439

66.0892

197.8461

Odds Ratios...

Variable

Variance

Skewness

Curtosis

Entropy

```
=== Stratified cross-validation ===
=== Summary ===
```

Correctly Classified Instances	1360	99.1254 %
Incorrectly Classified Instances	12	0.8746 %
Kappa statistic	0.9823	
Mean absolute error	0.012	
Root mean squared error	0.0814	
Relative absolute error	2.4278 %	
Root relative squared error	16.3751 %	
Total Number of Instances	1372	

=== Detailed Accuracy By Class ===

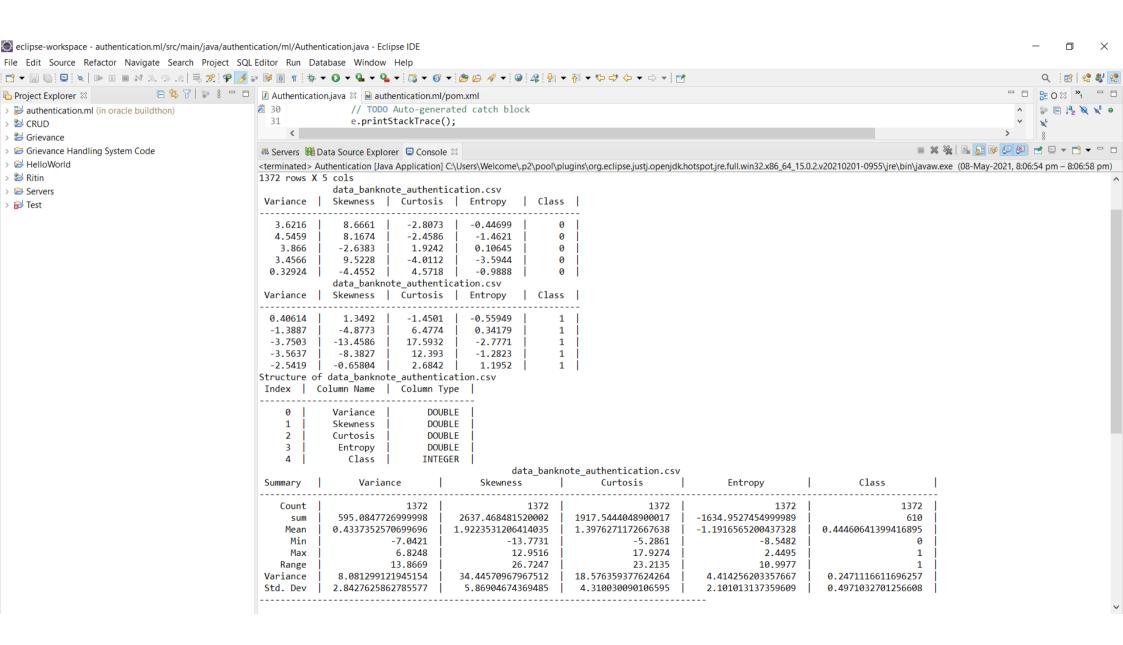
	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.992	0.010	0.992	0.992	0.992	0.982	1.000	1.000	0
	0.990	0.008	0.990	0.990	0.990	0.982	1.000	1.000	1
Weighted Avg.	0.991	0.009	0.991	0.991	0.991	0.982	1.000	1.000	

=== Confusion Matrix ===

a b <-- classified as

756 6 | a = 0

6 604 | b = 1



```
Train dataset size823
```

** Logistic Regression Evaluation with Datasets **

Correctly Classified Instances	270	98.1818 %
Incorrectly Classified Instances	5	1.8182 %
Kappa statistic	0.9636	
Mean absolute error	0.0164	
Root mean squared error	0.1057	
Relative absolute error	3.2918 %	
Root relative squared error	21.0539 %	
Total Number of Instances	275	

Confusion matrix:

[139.0, 4.0] [1.0, 131.0]

Area under the curve 0.9995232040686586

[Correct, Incorrect, Kappa, Total cost, Average cost, KB relative, KB information, Correlation, Complexity 0, Complexity scheme, Complexity improvement, MAE, RMSE Recall :0.99

Precision:0.97

F1 score:0.98

Accuracy:0.98

Predicted label:

1.0