**Algorithms explored with Weka (tool):**

* **Logistic Regerssion**
  + **Schema 1:**

Scheme: weka.classifiers.functions.Logistic -R 1.0E-8 -M -1 -num-decimal-places 4 -batch-size 50

Relation: employee-attenuation-predicting-weka.filters.unsupervised.attribute.NumericToNominal-Rfirst-last

Instances: 2381

Attributes: 11

Test mode: evaluate on training data

=== Summary ===

Correctly Classified Instances 2381 100 %

Incorrectly Classified Instances 0 0 %

Kappa statistic 1

Mean absolute error 0

Root mean squared error 0

Relative absolute error 0 %

Root relative squared error 0 %

Total Number of Instances 2381

=== Confusion Matrix ===

a b <-- classified as

765 0 | a = 0

0 1616 | b = 1

* + **Schema 2:**

Scheme: weka.classifiers.functions.Logistic -R 1.0E-8 -M -1 -num-decimal-places 4 -batch-size 50

Relation: employee-attenuation-predicting-weka.filters.unsupervised.attribute.NumericToNominal-Rfirst-last

Instances: 2381

Attributes: 11

Test mode: split 66.0% train, remainder test

=== Summary ===

Correctly Classified Instances 559 69.0123 %

Incorrectly Classified Instances 251 30.9877 %

Kappa statistic 0.2399

Mean absolute error 0.3068

Root mean squared error 0.542

Relative absolute error 70.611 %

Root relative squared error 117.0071 %

Total Number of Instances 810

=== Confusion Matrix ===

a b <-- classified as

104 148 | a = 0

103 455 | b = 1