=== Run information ===

Scheme: weka.classifiers.functions.LibSVM -S 0 -K 2 -D 3 -G 0.0 -R 0.0 -N 0.5 -M 40.0 -C 1.0 -E 0.001 -P 0.1 -model "C:\\Program Files\\Weka-3-7" -seed 1

Relation: yelp\_task2\_trainingset\_binaryclassification-weka.filters.unsupervised.attribute.NominalToString-Cfirst-weka.filters.unsupervised.attribute.StringToWordVector-R1-W2000-prune-rate-1.0-C-T-I-N1-L-S-stemmerweka.core.stemmers.NullStemmer-M1-tokenizerweka.core.tokenizers.NGramTokenizer -max 1 -min 1 -delimiters " \r\n\t.,;:\'\"()?!"-weka.filters.unsupervised.attribute.Reorder-R2-last,1-weka.filters.unsupervised.attribute.Reorder-R2-last,1-weka.filters.unsupervised.attribute.Reorder-R2-last,1-weka.filters.unsupervised.attribute.Reorder-R2-last,1-weka.filters.supervised.attribute.AttributeSelection-Eweka.attributeSelection.InfoGainAttributeEval-Sweka.attributeSelection.Ranker -T 0.0 -N -1

Instances: 27844

Attributes: 142

[list of attributes omitted]

Test mode: evaluate on training data

=== Classifier model (full training set) ===

LibSVM wrapper, original code by Yasser EL-Manzalawy (= WLSVM)

Time taken to build model: 362.71 seconds

=== Evaluation on training set ===

Time taken to test model on training data: 141.46 seconds

=== Summary ===

Correctly Classified Instances 18092 64.9763 %

Incorrectly Classified Instances 9752 35.0237 %

Kappa statistic 0.0956

Mean absolute error 0.3502

Root mean squared error 0.5918

Relative absolute error 74.854 %

Root relative squared error 122.3555 %

Coverage of cases (0.95 level) 64.9763 %

Mean rel. region size (0.95 level) 50 %

Total Number of Instances 27844

=== Detailed Accuracy By Class ===

TP Rate FP Rate Precision Recall F-Measure MCC ROC Area PRC Area Class

0.974 0.895 0.646 0.974 0.777 0.168 0.540 0.646 High Rating

0.105 0.026 0.709 0.105 0.183 0.168 0.540 0.408 Low Rating

Weighted Avg. 0.650 0.571 0.670 0.650 0.555 0.168 0.540 0.557

=== Confusion Matrix ===

a b <-- classified as

17003 447 | a = High Rating

9305 1089 | b = Low Rating