=== 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-W2500-prune-rate-1.0-C-T-I-N1-L-S-stemmerweka.core.stemmers.NullStemmer-M1-tokenizerweka.core.tokenizers.NGramTokenizer -max 3 -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: 115

[list of attributes omitted]

Test mode: 5-fold cross-validation

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

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

Time taken to build model: 518.93 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 17791 63.8953 %

Incorrectly Classified Instances 10053 36.1047 %

Kappa statistic 0.0628

Mean absolute error 0.361

Root mean squared error 0.6009

Relative absolute error 77.1643 %

Root relative squared error 124.2295 %

Coverage of cases (0.95 level) 63.8953 %

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

0.972 0.920 0.639 0.972 0.771 0.118 0.526 0.639 High Rating

0.080 0.028 0.630 0.080 0.141 0.118 0.526 0.394 Low Rating

Weighted Avg. 0.639 0.587 0.636 0.639 0.536 0.118 0.526 0.547

=== Confusion Matrix ===

a b <-- classified as

16964 486 | a = High Rating

9567 827 | b = Low Rating