=== 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: businessandtip\_task1\_with15categories-weka.filters.unsupervised.attribute.NominalToString-C1-2-weka.filters.unsupervised.attribute.StringToWordVector-R1,2-W1000-prune-rate-1.0-C-T-I-N1-L-S-stemmerweka.core.stemmers.NullStemmer-M1-tokenizerweka.core.tokenizers.NGramTokenizer -max 2 -min 2 -delimiters " \r\n\t.,;:\'\"()?!"-weka.filters.unsupervised.attribute.Reorder-R2-last,1

Instances: 7217

Attributes: 20318

[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: 256.1 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 3571 49.4804 %

Incorrectly Classified Instances 3646 50.5196 %

Kappa statistic 0

Mean absolute error 0.0674

Root mean squared error 0.2595

Relative absolute error 71.8352 %

Root relative squared error 119.9134 %

Coverage of cases (0.95 level) 49.4804 %

Mean rel. region size (0.95 level) 6.6667 %

Total Number of Instances 7217

=== Detailed Accuracy By Class ===

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

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.047 Doctors

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.174 Active Life

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.084 Beauty and Spas

1.000 1.000 0.495 1.000 0.662 0.000 0.500 0.495 Food

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.008 Adult Entertainment

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.094 Arts and Entertainment

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.060 Auto Repair

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.008 Professional Services

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.008 Tattoo

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.007 Electronics

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.003 Grocery

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.010 Wine Bars

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.001 Real Estate

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.000 Adult Education

0.000 0.000 0.000 0.000 0.000 0.000 0.500 0.000 Tours

Weighted Avg. 0.495 0.495 0.245 0.495 0.328 0.000 0.500 0.297

=== Confusion Matrix ===

a b c d e f g h i j k l m n o <-- classified as

0 0 0 340 0 0 0 0 0 0 0 0 0 0 0 | a = Doctors

0 0 0 1258 0 0 0 0 0 0 0 0 0 0 0 | b = Active Life

0 0 0 609 0 0 0 0 0 0 0 0 0 0 0 | c = Beauty and Spas

0 0 0 3571 0 0 0 0 0 0 0 0 0 0 0 | d = Food

0 0 0 55 0 0 0 0 0 0 0 0 0 0 0 | e = Adult Entertainment

0 0 0 679 0 0 0 0 0 0 0 0 0 0 0 | f = Arts and Entertainment

0 0 0 431 0 0 0 0 0 0 0 0 0 0 0 | g = Auto Repair

0 0 0 58 0 0 0 0 0 0 0 0 0 0 0 | h = Professional Services

0 0 0 60 0 0 0 0 0 0 0 0 0 0 0 | i = Tattoo

0 0 0 49 0 0 0 0 0 0 0 0 0 0 0 | j = Electronics

0 0 0 23 0 0 0 0 0 0 0 0 0 0 0 | k = Grocery

0 0 0 74 0 0 0 0 0 0 0 0 0 0 0 | l = Wine Bars

0 0 0 6 0 0 0 0 0 0 0 0 0 0 0 | m = Real Estate

0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 | n = Adult Education

0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 | o = Tours