=== Run information ===

Scheme:weka.classifiers.functions.Logistic -R 1.0E-8 -M -1

Relation: train\_target\_click\_bool-weka.filters.unsupervised.attribute.Remove-R1,8,29-30

Instances: 60197

Attributes: 26

date\_time

site\_id

visitor\_location\_country\_id

visitor\_hist\_starrating

visitor\_hist\_adr\_usd

prop\_country\_id

prop\_starrating

prop\_review\_score

prop\_brand\_bool

prop\_location\_score1

prop\_location\_score2

prop\_log\_historical\_price

position

price\_usd

promotion\_flag

srch\_destination\_id

srch\_length\_of\_stay

srch\_booking\_window

srch\_adults\_count

srch\_children\_count

srch\_room\_count

srch\_saturday\_night\_bool

srch\_query\_affinity\_score

orig\_destination\_distance

random\_bool

click\_bool

Test mode:split 66.0% train, remainder test

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

Logistic Regression with ridge parameter of 1.0E-8

Coefficients...

Class

Variable no

======================================

date\_time 0

site\_id -0.002

visitor\_location\_country\_id 0.0005

visitor\_hist\_starrating -0.0003

visitor\_hist\_adr\_usd 0.0001

prop\_country\_id 0.0002

prop\_starrating 0.0057

prop\_review\_score -0.0055

prop\_brand\_bool -0.069

prop\_location\_score1 -0.0129

prop\_location\_score2 0

prop\_log\_historical\_price 0.0101

position 0.1174

price\_usd 0

promotion\_flag -0.1838

srch\_destination\_id 0

srch\_length\_of\_stay 0.0284

srch\_booking\_window -0.0005

srch\_adults\_count 0.0087

srch\_children\_count -0.0329

srch\_room\_count -0.0138

srch\_saturday\_night\_bool 0.0214

srch\_query\_affinity\_score 0

orig\_destination\_distance 0

random\_bool -0.067

Intercept 1.2786

Odds Ratios...

Class

Variable no

======================================

date\_time 1

site\_id 0.998

visitor\_location\_country\_id 1.0005

visitor\_hist\_starrating 0.9997

visitor\_hist\_adr\_usd 1.0001

prop\_country\_id 1.0002

prop\_starrating 1.0057

prop\_review\_score 0.9945

prop\_brand\_bool 0.9334

prop\_location\_score1 0.9872

prop\_location\_score2 1

prop\_log\_historical\_price 1.0101

position 1.1245

price\_usd 1

promotion\_flag 0.8321

srch\_destination\_id 1

srch\_length\_of\_stay 1.0288

srch\_booking\_window 0.9995

srch\_adults\_count 1.0088

srch\_children\_count 0.9676

srch\_room\_count 0.9863

srch\_saturday\_night\_bool 1.0216

srch\_query\_affinity\_score 1

orig\_destination\_distance 1

random\_bool 0.9352

Time taken to build model: 3.84 seconds

=== Evaluation on test split ===

=== Summary ===

Correctly Classified Instances 19206 93.8389 %

Incorrectly Classified Instances 1261 6.1611 %

Kappa statistic 0

Mean absolute error 0.1087

Root mean squared error 0.2344

Relative absolute error 95.6477 %

Root relative squared error 97.4612 %

Total Number of Instances 20467

=== Detailed Accuracy By Class ===

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

1 1 0.938 1 0.968 0.744 no

0 0 0 0 0 0.744 yes

Weighted Avg. 0.938 0.938 0.881 0.938 0.909 0.744

=== Confusion Matrix ===

a b <-- classified as

19206 0 | a = no

1261 0 | b = yes