**H = 100, Train = 2012 – 2017, Test = 2013 – 2017**

Confusion matrix:

0 1

0 1387 2607

1 1908 1407

precision recall f1-score support

away win/draw 0.42 0.35 0.38 3994

home win 0.35 0.42 0.38 3315

accuracy 0.38 7309

macro avg 0.39 0.39 0.38 7309

weighted avg 0.39 0.38 0.38 7309

**H = 0, Train = 2012 – 2017, Test = 2013 – 2017**

Confusion matrix:

0 1

0 1576 2418

1 2077 1238

precision recall f1-score support

away win/draw 0.43 0.39 0.41 3994

home win 0.34 0.37 0.36 3315

accuracy 0.39 7309

macro avg 0.39 0.38 0.38 7309

weighted avg 0.39 0.39 0.39 7309

**H\* = 583.64974976, min log loss = 3.2457449736928243 Train = 2012 – 2017, Test = 2013 – 2017**

Confusion matrix:

0 1

0 372 3622

1 920 2395

precision recall f1-score support

away win/draw 0.29 0.09 0.14 3994

home win 0.40 0.72 0.51 3315

accuracy 0.38 7309

macro avg 0.34 0.41 0.33 7309

weighted avg 0.34 0.38 0.31 7309

**\* =** **47.46055603 (min log loss = 0.640597484340442), Train = 2012 – 2017, Test = 2013 – 2017**

final\_simplex: (array([[47.46055603],

[47.46047974]]), array([0.64059748, 0.64059748]))

fun: 0.640597484340442

message: 'Optimization terminated successfully.'

nfev: 44

nit: 22

status: 0

success: True

x: array([47.46055603])

Confusion matrix:

0 1

0 2644 1350

1 1349 1966

precision recall f1-score support

away win/draw 0.66 0.66 0.66 3994

home win 0.59 0.59 0.59 3315

accuracy 0.63 7309

macro avg 0.63 0.63 0.63 7309

weighted avg 0.63 0.63 0.63 7309

**\* =** **44.40559387 (min log loss = 0.6407894889406618), Train = 2012 – 2015, Test = 2016 – 2017**

final\_simplex: (array([[44.40559387],

[44.40551758]]), array([0.64078949, 0.64078949]))

fun: 0.6407894889406618

message: 'Optimization terminated successfully.'

nfev: 44

nit: 22

status: 0

success: True

x: array([44.40559387])

Confusion matrix:

0 1

0 939 79

1 720 90

precision recall f1-score support

away win/draw 0.57 0.92 0.70 1018

home win 0.53 0.11 0.18 810

accuracy 0.56 1828

macro avg 0.55 0.52 0.44 1828

weighted avg 0.55 0.56 0.47 1828