**התחרות**

* Bet random –average of 1000 times:

-0.06243754963285287

* Always bet on the underdog:

number of bets = 3677

number of wins = 756

return = -0.06324177318466154

* Always bet on the middle

number of bets = 3677

number of wins = 883

return = -0.11387272232798498

* Always bet on the favorite:

number of bets = 3677

number of wins = 2038

return = -0.010785966820777917

* Always bet on home:

number of bets = 3677

number of wins = 1717

return = 0.009382648898558511

* Always bet on draw:

number of bets = 3677

number of wins = 865

return = -0.1031710633668753

* Always bet on away:

number of bets = 3677

number of wins = 1095

return = -0.0941120478651075

עצי החלטה-בודדים

* clf =tree.DecisionTreeClassifier(min\_samples\_split=14, min\_samples\_leaf=14, max\_depth=11, class\_weight={0.0: 2.15865, 1.0: 3.84336, 2.0: 3.61584}, random\_state=42)random\_state=42, penalty='elasticnet'):

number of bets = 3641

number of wins = 1118

return = -0.07724800878879447

avg = -0.07650392993578997:

* clf = tree.DecisionTreeClassifier(min\_samples\_split=17, min\_samples\_leaf=17, max\_depth=10, class\_weight={0.0: 2.15865, 1.0: 3.84336, 2.0: 3.61584}):

number of bets = 3635

number of wins = 1120

return = -0.05992572214580468

* clf = tree.DecisionTreeClassifier(min\_samples\_split=50, min\_samples\_leaf=50, max\_depth=11, criterion='entropy', class\_weight={0.0: 2.15865, 1.0: 3.84336, 2.0: 3.61584})

number of bets = 3648

number of wins = 985

return = -0.09986019736842115

עצים אקראיים מאוד:

avg = -0.0913356372758016