Call one record’s linking variable X and the other Y

If values of X and Y are equal

Score = -log(P(marginal probability of Y – frequency of that specific value in its dataset)

If values are close

Score = -log(P(the value of Y is close the value of x – frequency of this in specific Y dataset) +

log(P(the values are close | the records match – use the matching frequencies))

If values are not close

Score = log(P(the values are not close/disagree | the records match – use the matching frequencies))

Difference in Total Catch:

If Values are Equal

S =

If values are close

Score =

If values are not close

Score = log(0.548113)

Difference in Total Release:

If Values are Equal

S =

If values are close

Score = +

log()

If values are not close

Score = log(0.5648532)

Difference in Reporting Distance:

If Values are Equal

S =

If values are close

Score = +

log()

If values are not close

Score = log(0. 3138075)

Difference in Red Snapper Caught:

If Values are Equal

S =

If values are close

Score = +

log()

If values are not close

Score = log(0.2110091)

Difference in Number of Anglers:

If Values are Equal

S =

If values are close

Score = +

log()

If values are not close

Score = log(0.2142857)

Difference in Reporting Date:

If Values are Equal

S =

If values are close

Score = +

log()

If values are not close

Score = log(0.5567011)