

Decision Tree 1

Decision Tree 3

$X_3 < 15$

yes

Decision Tree 500

$X_1 < 6$

yes

no

match

**no match**

$X_4 > .53$

yes

no

match

**no match**

Is x a match?

Tree 1



Tree 2



Tree 3



.

.

.

Tree 500



matches 475

non-matches 25

= 0.95

Random Forest