Comments

1) Total error takes a value between 0 and 1.

0-> very good stump

1-> very bad stump

2) Alpha,or the amount of say a stump has is inversely proportional to the error.

More, the error, less alpha and vice-versa.

When total error is small, i.e. if a stump is good then alpha will be a large positive value.

Interpretations (in terms of weighted performance):

1) If a stump has a high weight and high alpha value, it's say in the final prediction would be high.

2) If a stump has a low alpha value, it's say would be very less.

3) If error is 0.5 (i.e. just a random guess), it's alpha value would be 0, i.e that stump would mean nothing in the final prediction.