

If Boosting Possible, Then...

- can use (fairly) **wild** guesses to produce highly accurate predictions
- if can learn “part way” then can learn “all the way”
- should be able to improve **any** learning algorithm
- for any learning problem:
 - **either** can always learn with nearly **perfect accuracy**
 - **or** there exist cases where **cannot** learn even slightly better than **random guessing**