Technically...

- with high probability:

$$\text{generalization error} \leq \text{training error} + \tilde{O}\left(\sqrt{\frac{dT}{m}}\right)$$

  - bound depends on
    - $m = \#$ training examples
    - $d =$ "complexity" of weak classifiers
    - $T = \#$ rounds
- generalization error $= \mathrm{E}\,[\text{test error}]$
- predicts overfitting