11/20 . Recitation.

☐ Boosting
 (Ada boost)
  "Adaptive"

ML
KNN   ID   SVM   NN   Naïve   } weak
      trees   Bayes   classifiers
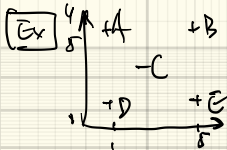   h.

Strong classifier: Boosting
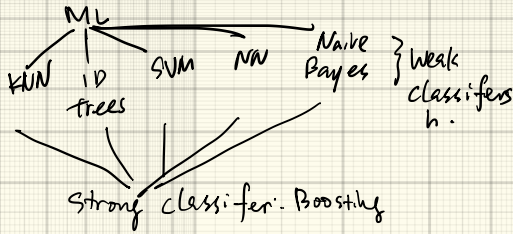
$$H(\vec{x}) = \text{sign} \left(\alpha_1 h_1(\vec{x}) + \alpha_2 h_2(\vec{x}) + \cdots \right)$$

assuming   ↑
bad val.   voting
              power

in each round
  pick best* classifier h.
  calculate voting power a
      for chosen h.
  append to H.

Ex
y
δ
+A   +B
  -C
+D   +E
        δ

	misclassified pts.		
x<2	B		E
x<4	BC		E
x<6	C		
x>2	A	C	D
x>4	A		D
x>6	A B		D E