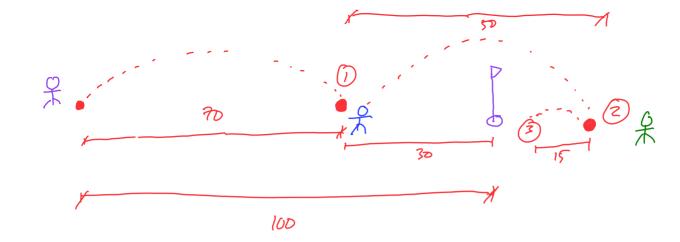
The "key" idea of boosting method

- Train a sequence of weak models where the next model

Learns from the mystate lener of the arrent model.

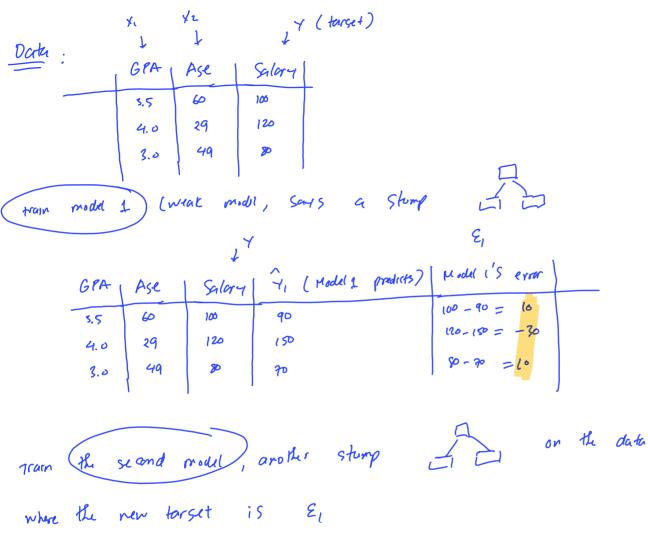
- The first model is a combination of All the model in

the seavena



reality; 
$$50 = 9$$
 error;  $30 - 50 = -20$ 

$$\frac{0}{1}$$
: target: -20 => error: -20 - (-15) = -5



where the new torset is  $\mathcal{E}_{1}$ GPA Ase  $\mathcal{C}_{1}$   $\mathcal{E}_{2}$   $\mathcal{E}_{1}$   $\mathcal{E}_{2}$   $\mathcal{E}_{3.5}$   $\mathcal{E}_{4.0}$   $\mathcal{E}_{9}$   $\mathcal{E}_{10}$   $\mathcal$ 

we will the third model on the dataset where the torset is &z (error of the second model)

		tarset					
		4	Hockel 3 predicts	١			
GPA 1	Ase	٤٤	82	1			
5.5	60	5	5	1			
4.0	29	-10	- 8				
3.0	49	-5	_6				
	1	1	•				

=) we combine the first predictions of the 3 models

as:

$$H = Prechars of Modell + Predictors of H2 + Pred, of M3$$

$$= \frac{2}{1} + \frac{2}{5} + \frac{2}{5}$$

GPA 1	Ase	J Y Salory 1	7, (Model & predicts)	Ç,	5.	Firal fred
5,5	60	100	90	5	5	100
4.0 3.0	29	120 80	(5P Po	15	16	79