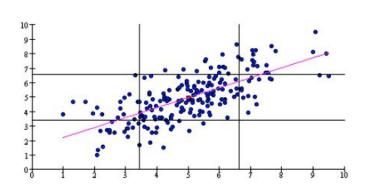
Can we develop an integrated theory of learning, in computational, behavioral

Day

and neural terms?

The "standard model"

Threshold (min. of arc)



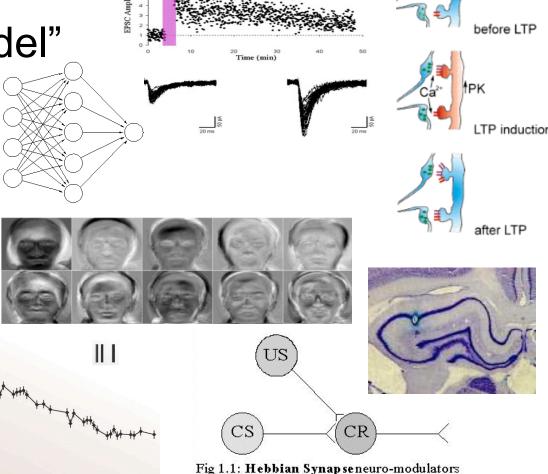


$$\Delta w \propto -\frac{\partial E}{\partial w} = \sum_{t=1}^{n} (y_t - w \cdot x_t) x_t$$

$$E = \frac{1}{2} \sum_{t=1}^{n} y_{t}^{2} = \frac{1}{2} \sum_{t=1}^{n} (w \cdot x_{t})^{2}$$

$$\Delta w \propto -\frac{\partial E}{\partial w} = \sum_{t=1}^{n} y_t \cdot x_t$$

**Jnsupervised** 



work across the synapse between the

facilitator and motor neuron.

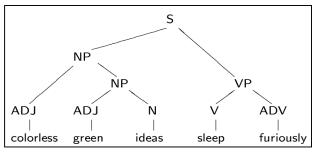
Long Term Potentiation, a mechanisms for memory formation

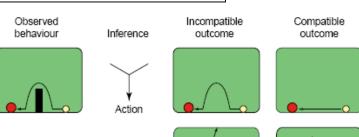
NMDA-R

Can we develop an integrated theory of learning, in computational, behavioral

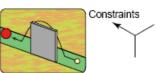
and neural terms?

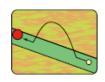
The really hard problem

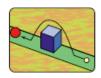


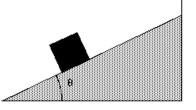










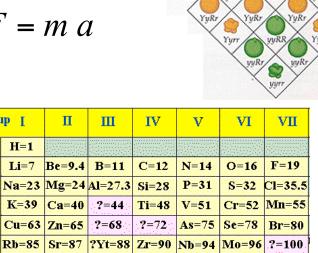


$$F = m a$$

П

Ca=40

Cu=63 Zn=65



Gametes (YR)

Sperm



Group I

H=1 Li=7

K=39



Ag=108Cd=112|In=113|Sn=118|Sb=122|Te=125|J=127

