Decision (regression) based on w(t) and b(t)

- Kid's decision upon dropping food…

inputs   Hidden layer   Non-linear output

$w_{11} * x_1 + b_1$

X1. Is mom watching?

X2. Has it been 5 sec?

X3. Is this green?

X4. Is this dessert?

$w_{34} * x_4 + b_3$

N1. Reptile self

N2. Mature self

N3. …..

Y. Gulp!

$\sigma(a)$

a