**ACTIVATION FUNCTIONS:**

Input :

X1 W1

AF

W2

X2

z = x1\*w1 + x2\*w2

Sigmoid:

f(x) =

TanH :

f(x) =

ReLu :

f(x) = { 0 for x<0

{ x for x>=0

Leaky ReLu :

f(x) = { 0.01x for x<0

{ x for x>=0

SoftMax:

f(x) = for j = 1,….,K.

Soft Plus:

f(x) = log(1 + e^z)