

(Carpenter 1989).

신경망 모델의 이해

(neuron)

. 가 PDP

가

(Fig. 1).

(activity) = (sum of inputs)

(signal) = (linear or nonlinear function of activity)

(output) = (signal) × (connection strength)

(post - sy -

naptic potential)

(action potential)

(axon)

(input - output transfer function)

(synaptic

efficacy)

(error) =

(desired output - actual output)

$$x = \sum_{k=1}^n i_k \quad x = \quad , i = \quad , n =$$

$$y = f(x) \quad y = \quad , f =$$

$$z = y \times w \quad z = \quad , w =$$

(Fig. 1).

가

(Carpenter 1989), 가 Rum -

melhart (1986)

(back propagation of errors)

(multilayered network)

(input layers)

(output layers)

(intermediate layers)

(hidden layers)

(Fig. 1).

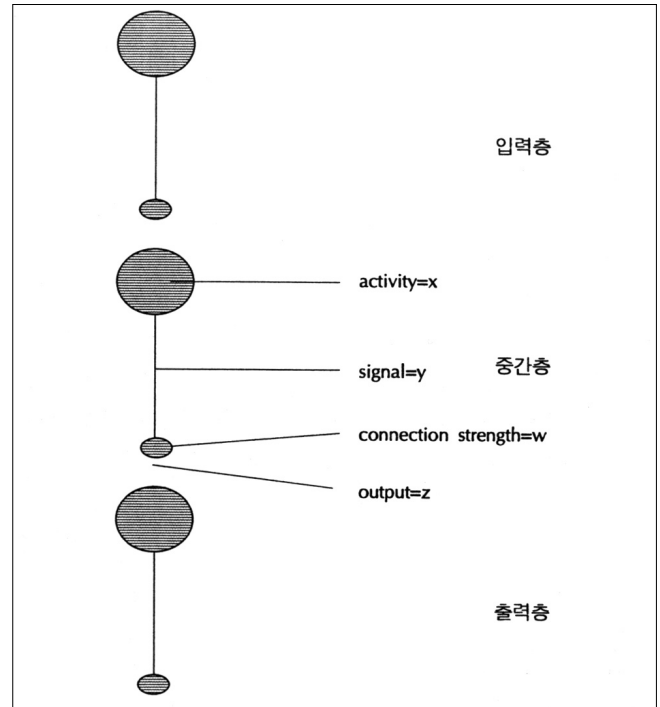


Fig. 1. 모델 뉴런 신경망.

가

1993). 1)

. 2)

ggia 1995). 3)

가

back circuit)가

(Carpenter 1987 ; 1989).

가

가

(associative me-

mory)

가

(Carpenter

감사의 글

1991).

가

정신의학에의 적용

중심 단어 :

(Egan Wei-

nberger 1997)

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