Neuron

-id: Integer

-input_state: Boolean-output_state: Boolean

-input: Long[]-output: Long

-learn_rule: String

-eta: Float

-output_to_neuron: Connector[]

-threshhold: Long

--activation_function: String s
#add_output(c: Connector): Null
#remove_output(c: Connector): Null

#set_learn_rule(s: String): Null
#get_learn_rule(): String rule

#get_id(): Integer id

#set_input(input: Long): Null
#set_threshhold(t: Long): Null

#set_activation_function(af: String): Nul

#get_activation_function(): String af

-activation_function(): Null
-scalar_product(): Null

Responsibilities

Neuronale Aktivitäten:

- -Input aufnehmen
- -Input mit Gewichten verrechnen
- -Aktivierungsfunktion
- -Ausgabe an Connector Objekt

Connector

-id: Integer

-input_from: Neuron-input_value: Double

-output_to: Neuron

-output_value: Double

-weight: Double

m:n

#set_input_neuron(n: Neuron): Null

#get_input_neuron(): Neuron

#set_input_value(val: Double): Null

#get_input_value(): Double
#set_weight(w: Double): Null

#get_weight(): Double
-calc output(): Null

Responsibilities

-Werteübertragung

-Verrechnung mit Gewichtung