ELM toolbox Documentation

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Anton Akusok

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@author: akusoka1

class elm.**ELM**(*inputs*, *targets*)

Extreme Learning Machine, high-level wrapper.

add_neurons(*count*, *ufunc*, *W=None*, *B=None*)

Add neurons of a given type to the model.

Can specify W input weight vector and B scalar bias. :param count: number of neurons to add :param ufunc: transformation function of those neurons, can use "None" for identity function :param W: weight matrix for input-to-hidden layer :param B: biases for hidden layer

get_model()

Returns all parameters of the ELM model in python dictionary.

Model does not require specific classes to load and edit, unlike pickled class instances.

run(*X*)

Get predictions using a trained or loaded ELM model.

Parameters **X** – input data

Return type predictions Th

train(*X*, *T*)

Wrapper for training ELM.

Parameters

- **X** – input training dataset as 2-dim matrix
- **T** – output training targets as 1- or 2-dim matrix

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- *modindex*
- *search*

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