1. competlayer

Competitive layer

**Syntax**

competlayer(numClasses,kohonenLR,conscienceLR)

**Description**

Competitive layers learn to classify input vectors into a given number of classes, according to similarity between vectors, with a preference for equal numbers of vectors per class.

competlayer(numClasses,kohonenLR,conscienceLR) takes these arguments,

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| --- | --- |
| numClasses | Number of classes to classify inputs (default = 5) |
| kohonenLR | Learning rate for Kohonen weights (default = 0.01) |
| conscienceLR | Learning rate for conscience bias (default = 0.001) |

and returns a competitive layer with numClasses neurons.