





GUI.MainGUI

Algoritme

Network

- numberOfLayers : int
- sizes : list(int)
- weights : list(numpy.ndarray(float))
- biases : list(numpy.ndarray(float))
- + saveNetwork(): void
- sigmoid (z : float) : float
- derivativeSigmoid (z : float) : float
- + output (a : numpy.ndarray(float)) : numpy.ndarray(float)
- backpropagation (x : numpy.ndarray(float), y : numpy.ndarray(float)) : tuple(list(numpy.ndarray(float)), list(numpy.ndarray(float)))
- + gradientDescent (trainingSet: list(tuple(numpy.ndarray(float), numpy.ndarray(float))), epochs: int, miniBatchSize: int, learningRate: float, evaluationData: list(tuple(numpy.ndarray(float), int)), lmbda: float, txtField: QTextEdit): void
- updateNetwork (miniBatch: list(tuple(numpy.ndarray(float), numpy.ndarray(float))), learningRate: float, lmbda: float, n:int): void
- deltaCost (a: numpy.ndarray(float), y: numpy.ndarray(float)): numpy.ndarray(float)