An Astonishing Title

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Abstract

A marvellous abstract, about an artificial neural network based on the multilayer perceptron architecture.

Introduction

Method

The numerical computational needs are solved by using NumPy[1]. The topology of the network is represented using a list of layers. The i-th weight matrix represents the weights connecting the nodes of the layer i to the nodes in the layer $i+1$, that is the outgoing edges for the layer i and the ingoing edges for $i+1$.

The prediction is coded by simply forwarding the input in the network. During the training phase the input is shuffled to avoid ordering bias[???], after this the scan of the data is done in a minibatching fashion. The learning of the weights in the network is done by using the backpropagation algorithm[2].

Experiments

Monk's Results

Cup Results

Conclusions

References

1. NumPy — NumPy. https://numpy.org/.

2. Rumelhart, D. E. & McClelland, J. L. *Parallel distributed processing: Explorations in the microstructure of cognition.* (MIT Press, 1986).