Boltzmann-Machines: Another Speed-Up Alternative for Your Network Algorithms

This work studies the application of Boltzmann machines as an extension of Hopfield neural networks for optimization problem space reduction. This work should survey, analyze, and implement a first approach of a Boltzmann machine for an optimization problem. Potential extensions can also be applied to ongoing research studies of reconfigurable networks or virtual network embedding.

Prerequisites
Python, Neural Networks, Mathematics

Advisors
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