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This tip highlights the importance of data preparation prior to training a neural network model. The authors point out that neural networks often learn faster when the examples in the training dataset sum to zero. This can be achieved by subtracting the mean value from each input variable, called centering.

**8 Tricks for Configuring Backpropagation to Train Better...**

Post Overview This tutorial is divided into five parts; they are: Efficient BackProp Overview Learning and Generalization 8 Practical Tricks for Backpropagation Second Order Optimization Algorithms Discussion and Conclusion Efficient BackProp Overview The 1998 book titled "Neural Networks: Tricks of the Trade" provides a collection of chapters by academics and neural network practitioners ...

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Overview. Neural Networks: Tricks of the Trade is a collection of papers on techniques to get better performance from neural network models. The first edition was published in 1998 comprised of five parts and 17 chapters. The second edition was published right on the cusp of the new deep learning renaissance in 2012 and includes three more parts and 13 new chapters.

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