Neural Network Discriminant Analysis: Statistical Aspects

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Contents

Most of the material is covered in Ripley (1996), although more of the background philosophy may be found in Ripley (1993) and standard neural network texts. [Of the latter, Bishop (1995) is the most recommendable but is narrow in scope; Haykin (1994) is enyclopaedic and shallow, Hertz *et al.* (1991) and Kung (1993) are sounder and mathematically more detailed, but becoming dated.) These texts, however, are famously free of realistic examples, and indeed on details of how to *use* neural networks.

There are some published comparative studies between neural networks and other methods, including those in Weiss & Kulikowski (1991) and Michie *et al.* (1994), although many of these make poor use of statistical or neural network methods (or both).

References

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A good on-line source of information is the FAQ of the USENET news group `comp.ai.neural-nets` at `ftp://ftp.sas.com/pub/neural/FAQ.html`. (This is for use by a WWW browser.)