Comparing Feed Forward Artificial Neural Networks to Canonical Correlation

by Brad Morantz

Abstract

While not widely known, canonical correlation is an analog to regression except that it allows for more than one dependent variable. But it has its limitations and one must be careful with using it. Artificial Neural Networks (ANN) work well with multiple criteria but are less than fully accepted by the mathematical world.

Another problem is multidimensional optimization, as the question arises for more than one dependent variable as to which is most important or do we look for the common good of the whole.

Introduction & Literature Review

Comparisons

Summary

References