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ABSTRACT

Canonical correlation analysis is a sophisticated multivariate technique that subsumes all parametric methods (the "t"-test, analysis of variance, analysis of covariance, multivariate analysis of variance, multivariate analysis of covariance, and discriminant analysis) as special cases. This bibliography lists 83 applications of canonical correlation analysis reported during the past decade. Forty-one of these analysis studies are conference papers or technical reports, and the remaining 42 studies are published articles or book chapters. The unpublished studies are all available from ERIC. (SLD)

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**APPLICATIONS OF MULTIVARIATE STATISTICS:
A BIBLIOGRAPHY OF CANONICAL CORRELATION ANALYSIS STUDIES**

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Canonical correlation analysis is a sophisticated multivariate technique that subsumes all parametric methods (the t -test, ANOVA, ANCOVA, MANOVA, MANCOVA, and discriminant analysis) as special cases, as demonstrated by Thompson (1988a) using example data sets. The basic logic and recent extensions of canonical analysis have been presented in non-technical terms elsewhere (Thompson, 1984, 1987). The influence of sampling error on canonical results has also been investigated (Thompson, 1988b, 1989).

Kerlinger (1973, p. 652) suggests that "some research problems almost demand canonical analysis." Cooley and Lohnes (1971, p. 176) suggest that "it is the simplest model that can begin to do justice to this difficult problem of scientific generalization." Fish (1988) explains in detail various reasons why multivariate are so important in research endeavors.

Wood and Erskine (1976) were able to review more than 30 applications of canonical analysis. However, applications of these potent methods have become increasingly common due to the "computerization and inclusion [of canonical correlation analysis] in major statistical packages" (Krus, Reynolds & Krus, 1976, p. 725).

The present paper reviews 83 extant applications of canonical correlation analysis reported during the last decade. Roughly half ($41/83 = 49.4\%$) of the studies are conference papers or technical reports, while the remaining 42 studies are published articles or book chapters. The unpublished studies are all available from ERIC.

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