

ERRATA TO
OPTIMAL SCALING OF PAIRED COMPARISON AND RANK ORDER DATA:
AN ALTERNATIVE TO GUTTMAN'S FORMULATION

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Two formulas in Nishisato [1978] were erroneous. The correct versions of them are as follows:

Formula (9), p. 265	<i>Errors are</i> $SS_t = 2N\mathbf{x}'\mathbf{x}$	<i>Should be</i> $SS_t = N(n-1)\mathbf{x}'\mathbf{x}$
Formula (10), p. 266	$SS_b = \left[\frac{2}{n(n-1)^2} \right] \mathbf{x}'E'E\mathbf{x}$	$SS_b = \left[\frac{1}{n(n-1)} \right] \mathbf{x}'E'E\mathbf{x}$

The other formulas and the discussion are correct.

REFERENCE

Nishisato, Shizuhiko. Optimal scaling of paired comparison and rank order data: An alternative to Guttman's formulation. *Psychometrika*, 1978, 43, 263-271.