

1046-Z1-111      **Raymond N Greenwell\*** ([matrng@hofstra.edu](mailto:matrng@hofstra.edu)), 103 Hofstra University, Hempstead, NY  
11549. *Statistical significance of ranking paradoxes*. Preliminary report.

Haunsperger (2003) has shown that when the Kruskal-Wallis nonparametric statistical test on  $n$  samples is used to rank-order a list of alternatives, Simpson-like paradoxes arise, in which the individual parts give rise to a common decision, but the aggregate of those parts gives rise to a different decision. We further investigate these ranking paradoxes by showing that when they occur, the differences in ranking are not statistically significant. (Received July 23, 2008)