

FIGURE 12.7

A Ranking of Some of the Most Conservative and Liberal Post Hoc Tests

Most conservative
(least power)

Scheffé test
Bonferroni procedure

Too conservative

Most liberal
(greatest power)

Tukey's HSD test
SNK test
Fisher's LSD test

While the Scheffé test and Bonferroni procedure are good post hoc tests, they are generally considered too conservative for a between-subjects ANOVA design. HSD = honestly significant difference; LSD = least significant difference; SNK = Student-Newman-Keuls.