Supplementary results on the power of adaptive tests for the manuscript entitled:

# An Efficient Method of Computing Adaptive Tests of Significance and Confidence Intervals

by Thomas W. O'Gorman

The empirical power of the $t$ test, the adaptive test with recomputed weights (COMP), and the permuted weights (PERM) adaptive test for 8 error distributions when the predictor variables were generated from a correlated normal distribution and an uncorrelated lognormal distribution. One thousand data sets were used with each data set having n=50 observations.

| | Normal Predictor Variables $\rho = 0.8$ | | | Logormal Predictor Variables $\rho = 0.0$ | | |
|---|---|---|---|---|---|---|
| Error distribution | $t$ | COMP | PERM | $t$ | COMP | PERM |
| Normal | 60 | 59 | 59 | 87 | 86 | 86 |
| $t_4$ | 64 | 70 | 70 | 87 | 90 | 90 |
| Bimodel Symmetric | 60 | 63 | 63 | 87 | 88 | 88 |
| Skewed Low Kurt. | 61 | 69 | 69 | 87 | 91 | 91 |
| Skewed High Kurt. | 63 | 69 | 69 | 87 | 90 | 90 |
| Hi Skewed Low Kurt. | 63 | 80 | 80 | 87 | 95 | 95 |
| Hi Skewed High Kurt. | 64 | 76 | 76 | 87 | 93 | 93 |
| Bimodal Skewed | 61 | 73 | 74 | 87 | 92 | 92 |