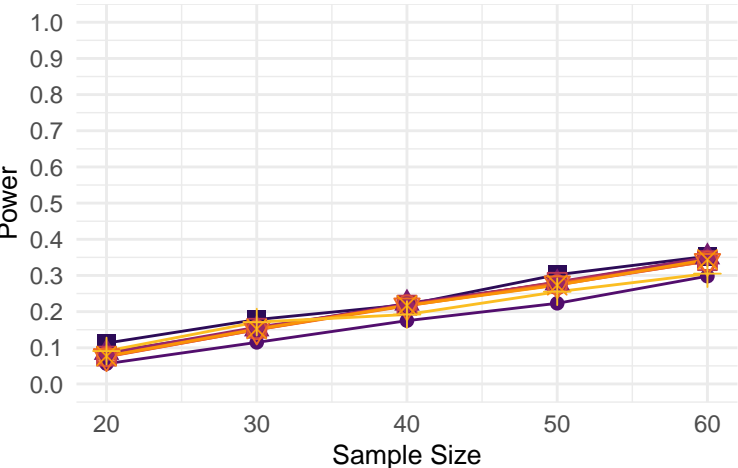


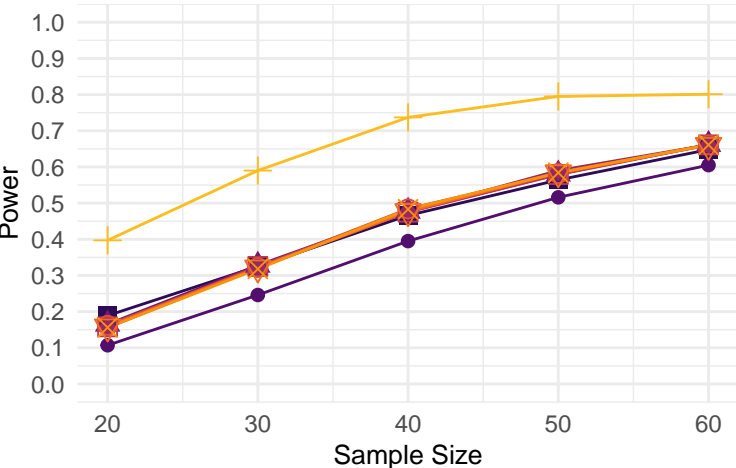
Simulated Power: Comparison of AMKAT Variations

Continuous features ($p = 100$), multivariate Cauchy errors, 100% signal strength
Each value based on 1000 simulated data replicates; AMKAT P-values estimated using 1000 permutations

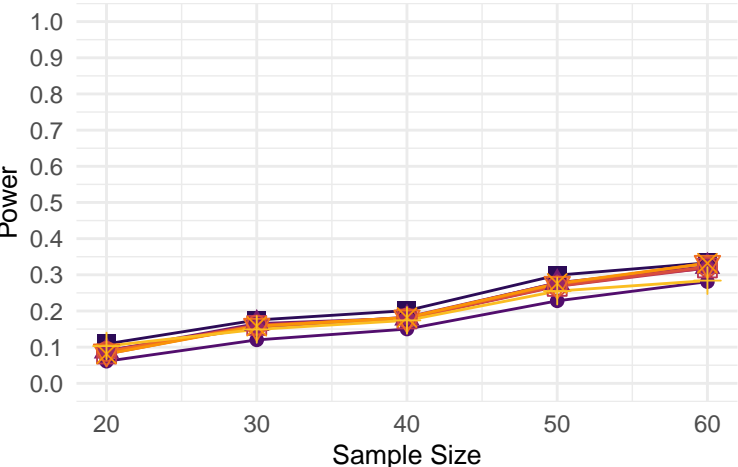
A 7-variable signal
Independent errors



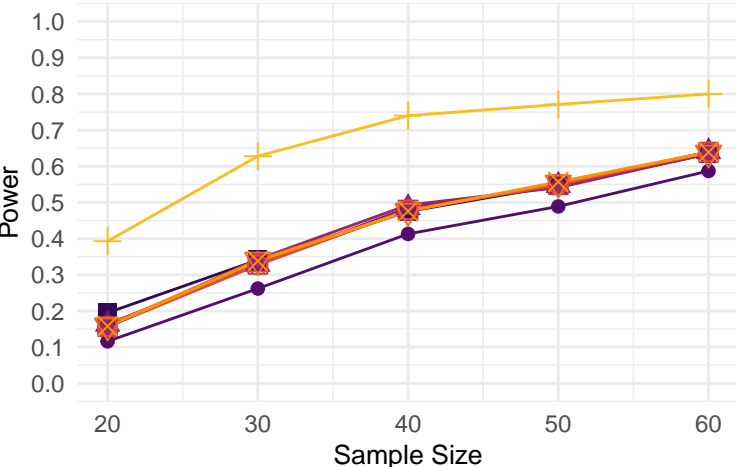
B 80-variable signal
Independent errors



C 7-variable signal
Correlated errors (± 0.5 pairwise)



D 80-variable signal
Correlated errors (± 0.5 pairwise)



Number of test stats
used to estimate
P-value with PhiMr

- 0 (no filter)
- 1
- 2
- 4
- 8
- 16
- 32
- 64
- 128