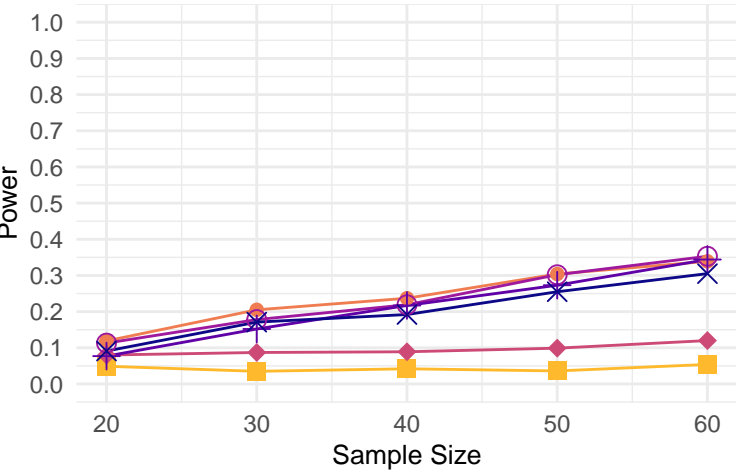


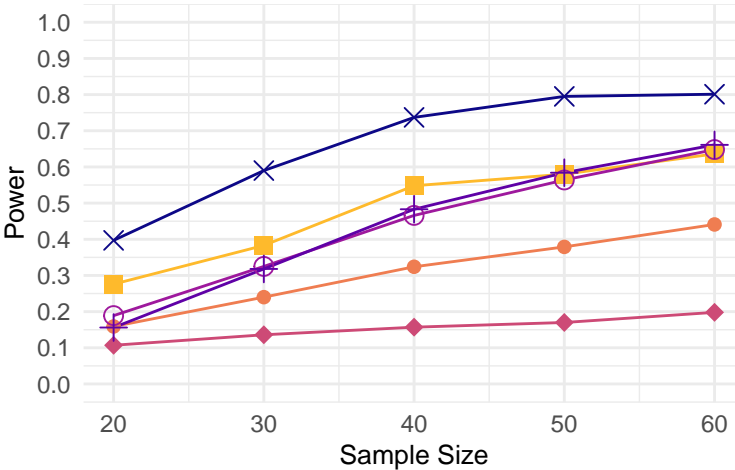
Simulated Power: AMKAT vs. Comparison Methods

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

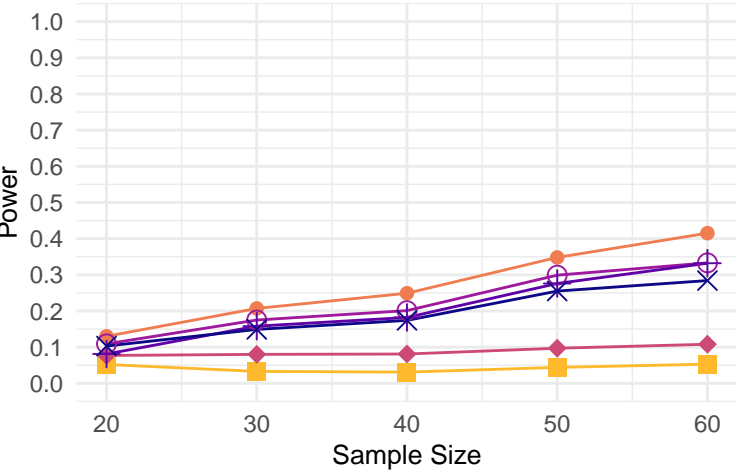
A 7-variable signal
Independent errors



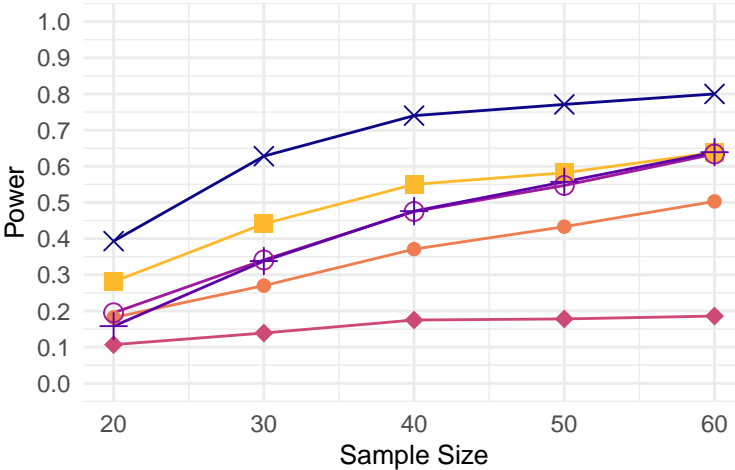
B 80-variable signal
Independent errors



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



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



- Testing Method
- OMGA
 - DKAT
 - DKAT with Linear Phenotype Kernel
 - AMKAT (no filter)
 - AMKAT (PhiMr filter) with 64 test stats
 - AMKAT (PhiMr filter) with 128 test stats