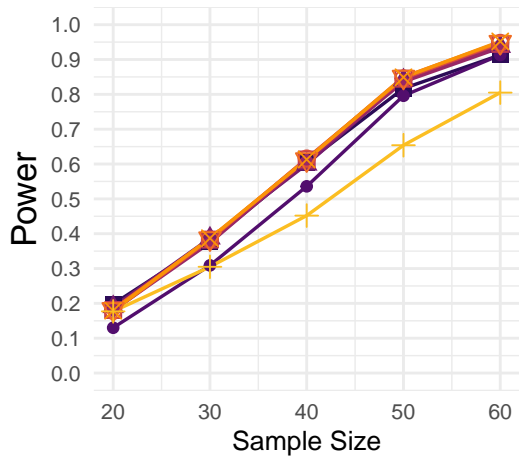


# Simulated Power: Comparison of AMKAT Variations

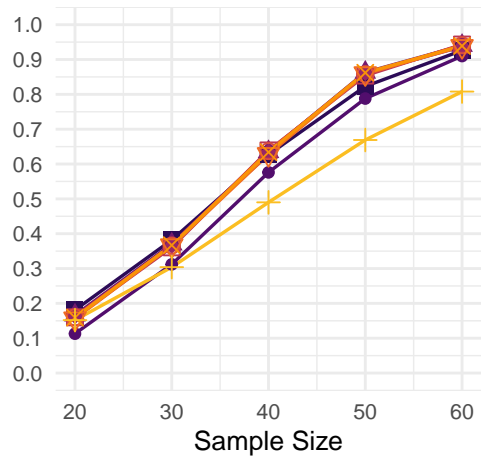
Continuous features ( $p = 100$ ), multivariate normal errors, 100% signal strength  
Each value based on 1000 simulated data replicates; AMKAT P-values estimated using 1000 permutations

## 7-variable signal

Independent errors

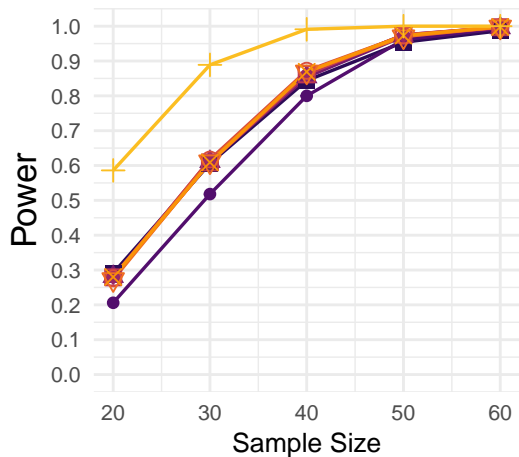


Correlated errors ( $\pm 0.5$  pairwise)

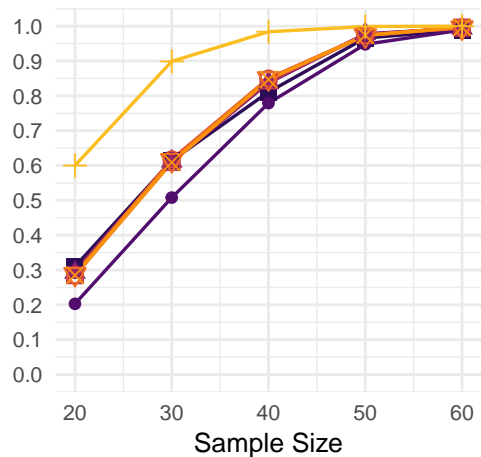


## 80-variable signal

Independent errors



Correlated errors ( $\pm 0.5$  pairwise)



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

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