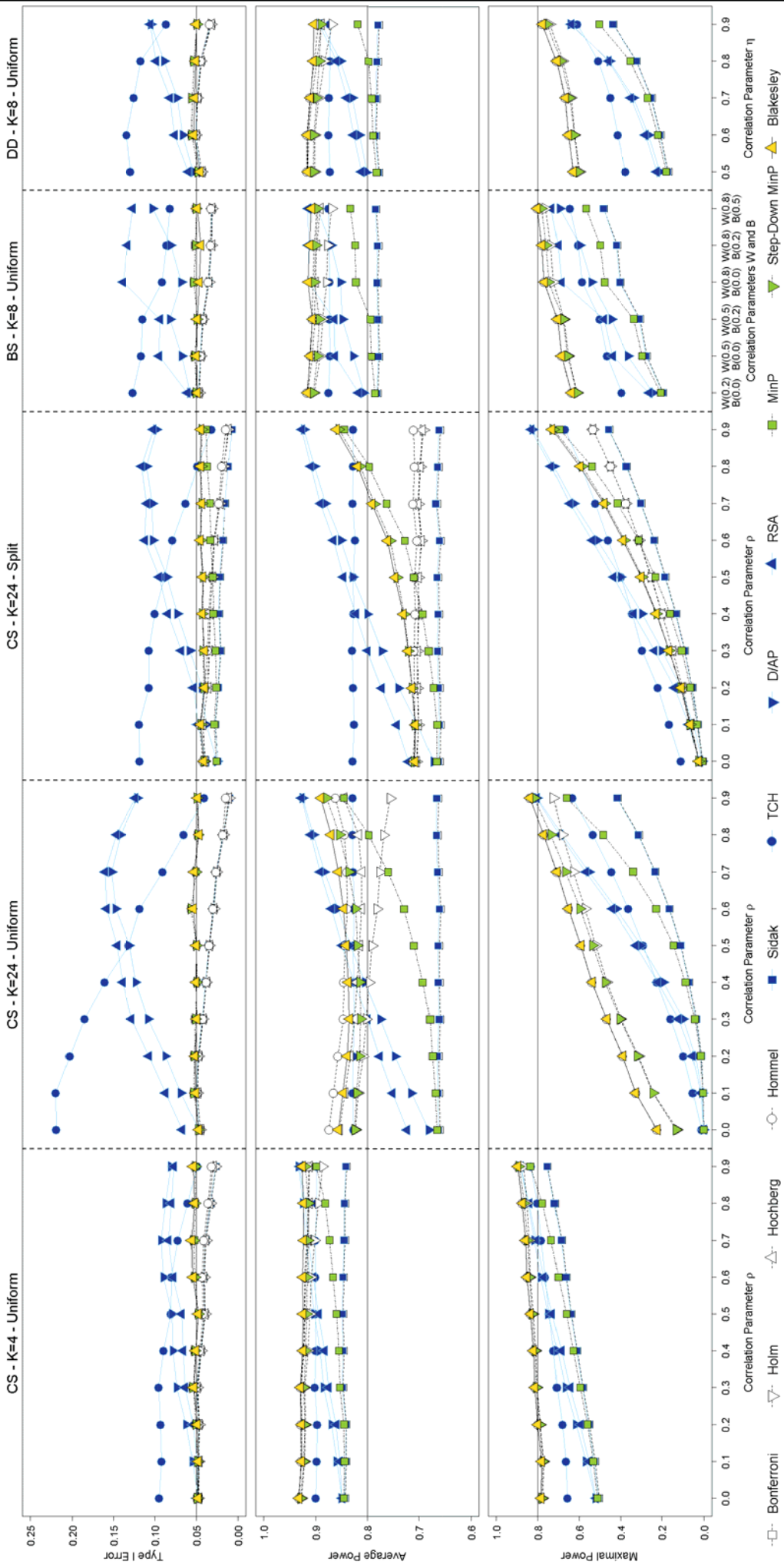




# Results

Heading format: Correlation structure – Number of outcomes – Hypothesis set



## Blakesley Method Observations

- Type I error: Maintains values near 0.05 across number of outcomes K and correlation structure/magnitude. Type I error slightly reduced under split hypothesis set conditions.
- Average Power: Consistently similar or higher power compared to methods with consistent type I error  $\leq 0.05$ . Increasing power with increasing correlation magnitude under split hypothesis set conditions.
- Maximal Power: Designed to have identical maximal power to Hochberg/Hommel methods under uniform hypothesis set conditions. Demonstrated greater maximal power under split hypothesis set conditions.
- Minimal Power: Results not shown. Power greater than 0.80 for all methods under all conditions. Relative power patterns similar to average power. Least informative power measure.