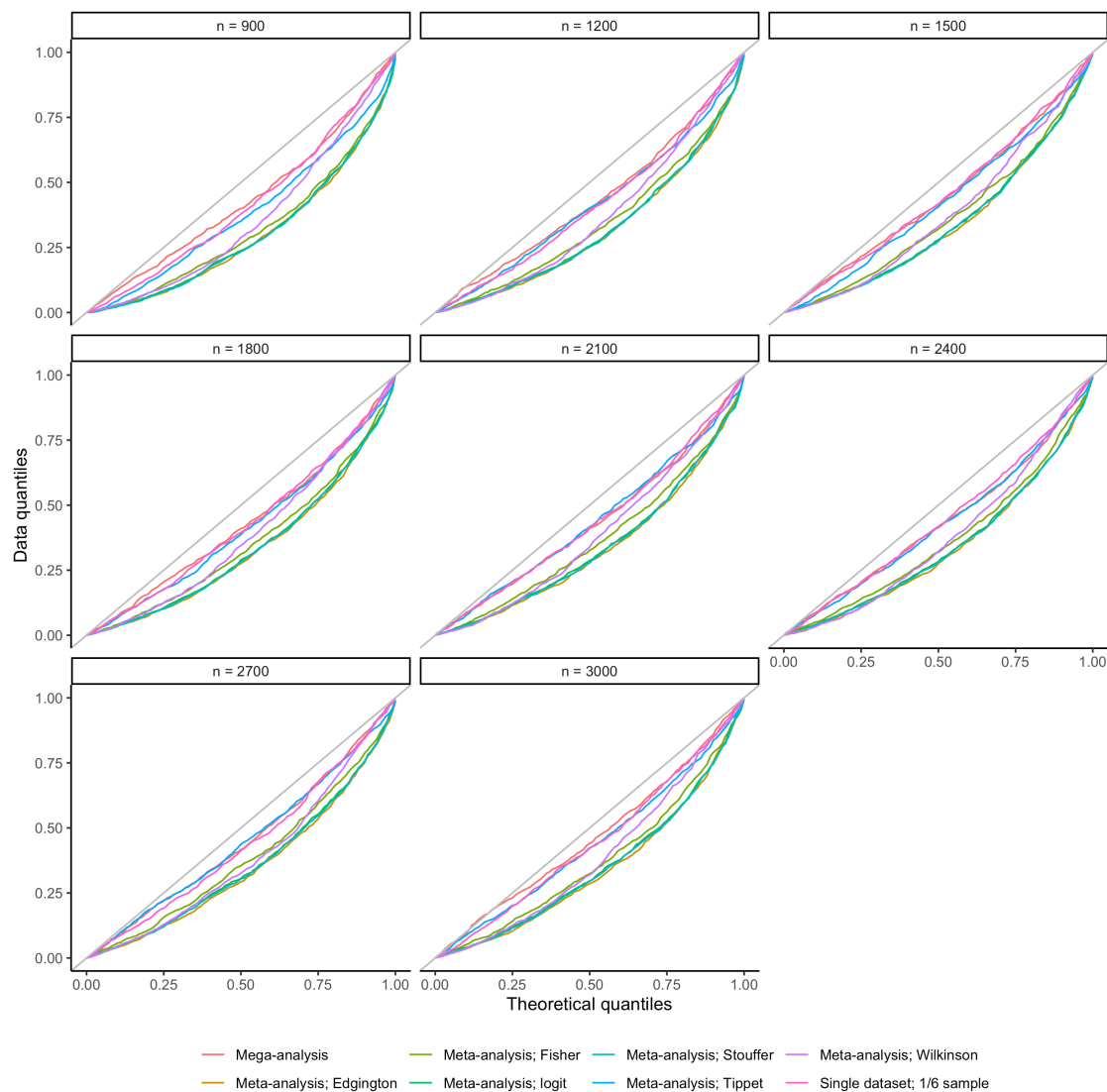


Supplemental Material III: Hypothesis Testing and Power

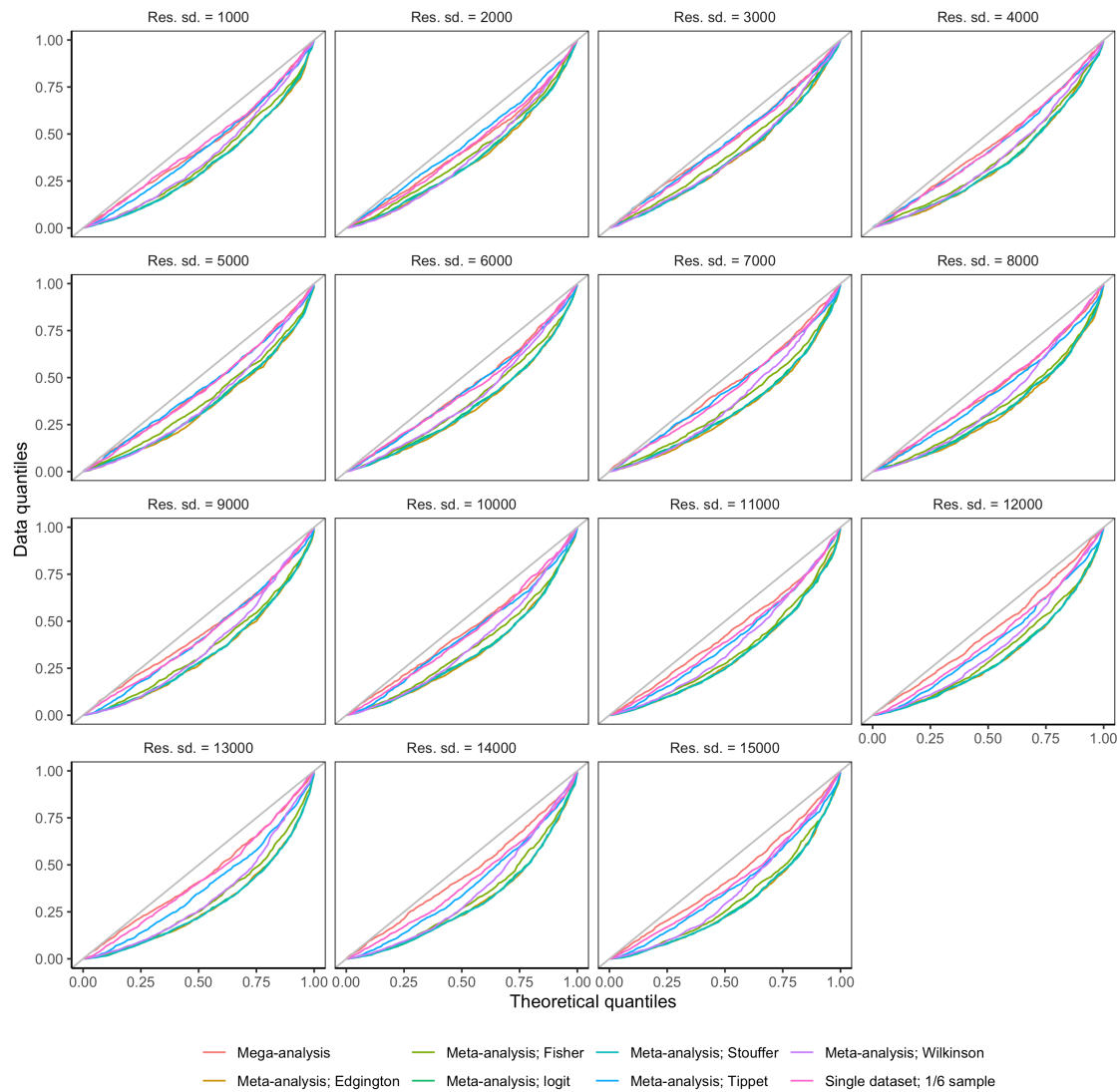
This document shows supplementary figures for the simulations of the distribution of p -values under the null and statistical power in Section 4.2 of the article “Meta-Analysis of Generalized Additive Models in Neuroimaging Studies” by Sørensen et al. As in the main article, all results are based on 1,000 Monte Carlo simulations at each parameter value.

Null Distribution

The figure below shows quantile-quantile plots for the distribution of p -values under the null with residual standard deviation equal to 3,500 and sample size as specified by the headers.



The figure below shows quantile-quantile plots for the distribution of p -values under the null with sample size equal to 3,000 and residual standard deviation specified by the headers.



Power

The figure below shows power with residual standard deviation 3,500 over various sample sizes.

