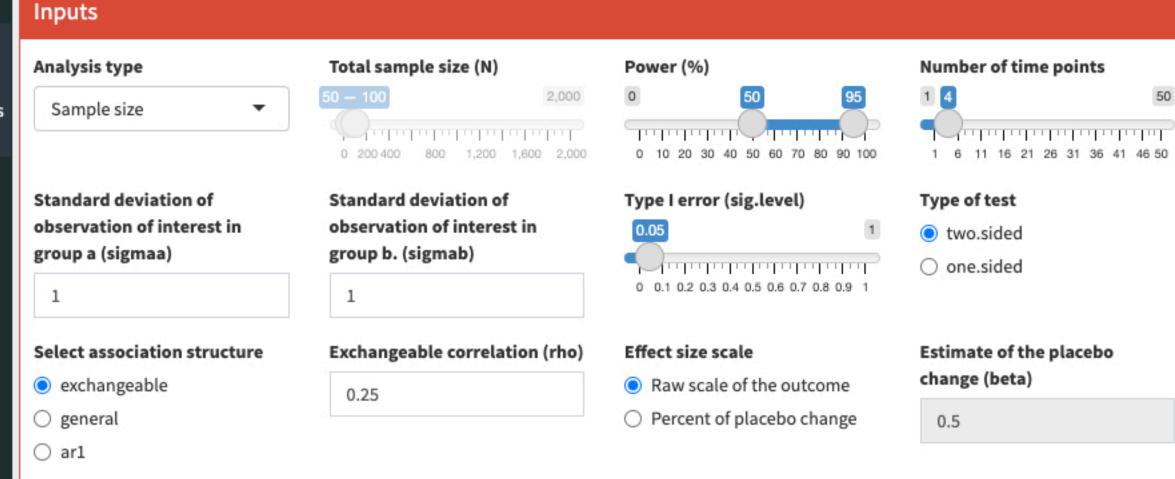


(MMRM)

ADNI-based pilot estimates

About

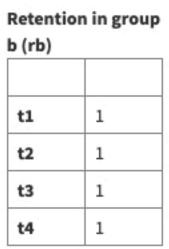


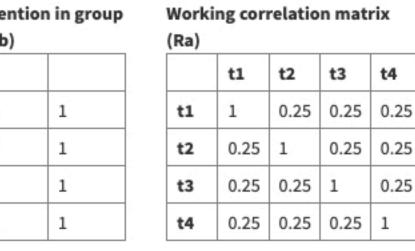
Allocation ratio (lambda)

Retention in group a (ra) t1 1 t2 1 t4

Effect size (delta)

0.5





2

Working correlation matrix (Rb) t1 t2 t3 t4 t1 1 0.25 0.25 0.25 0.25 1 0.25 0.25 t2 0.25 t3 0.25 1 0.25

0.25

0.25

t4

Update/Enter Use this action button to update size of correlation

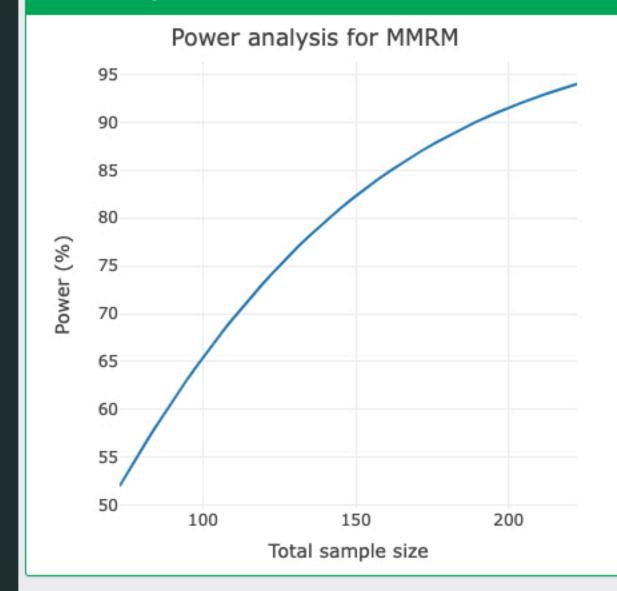
matrix

Percent change in the pilot estimate of the

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1

parameter of interest (pct.change)

Power analysis results



Sample size/power calculation for a mixed model of repeated measures with exhangeable correlation structure. See Lu, Luo, & Chen (2008) for parameter definitions and other details.

0.25

Summary	Value
Var-cov structure	Compound symmetric, heterogeneous
Number of time points	4
Type of test	two.sided
Type I error	0.05
Placebo change	0.5
Effect size:	0.15
Allocation ratio	2