TASK: CamCAN sensorimotor (TR=1.97s) 1.5 Power spectra 1 0.5 0 0.05 0.15 0.2 0.25 0 0.1 Frequency [Hz] Avg. % of sig voxels 10 8 6 4 2 0 В1 B2 E1 E2 Assumed experimental design 100 Positive rate (%) 80 60 40 20 0 В1 B2 E1 E2 Assumed experimental design Expected for null data AFNI • FSL 95% CI

B1:

B2:

E1:

E2:

boxcar 10s off + 10s on

boxcar 40s off + 40s on

dummy event-related design

subject-specific event-related design

SPM

SPM with option FAST

True experimental design

Ideal power spectra