A multivariate longitudinal model for the physical and mental progression of Alzheimer's Disease

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This is the Github repo for the second chapter of my dissertation. The figures below contain definitions and some fit statistics for models 1-8. For Stan code for the models, see `project_files/general_model.stan`. For regression results, see for example `model_1/fit/model_1_results_table.csv`. For the current state of the manuscript, see `manuscript/ad_progression_manuscript.pdf` or click here.

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model	other outcomes	transformed MMSE	conditional ELPD	marginal conditional ELPD
\multicolumn{5}{Fit statistics across 8 models}				
\multicolumn{5}{by 5-fold cross-validation, applied to MMSE outcome only}				
1	FSLong	FALSE	-5586.3	-5086.1
2	ANTsSST	FALSE	-5529.9	-5149.0
3	ECTavg	FALSE	-5531.8	-5103.1
4	FSLong, ANTsSST	FALSE	-5561.1	-5091.8
5	FSLong	TRUE	-4854.4	-4536.1
6	ANTsSST	TRUE	-4829.2	-4583.6
7	ECTavg	TRUE	-5003.5	-4543.9
8	FSLong, ANTsSST	TRUE	-4845.2	-4539.3