

Supplemental Material

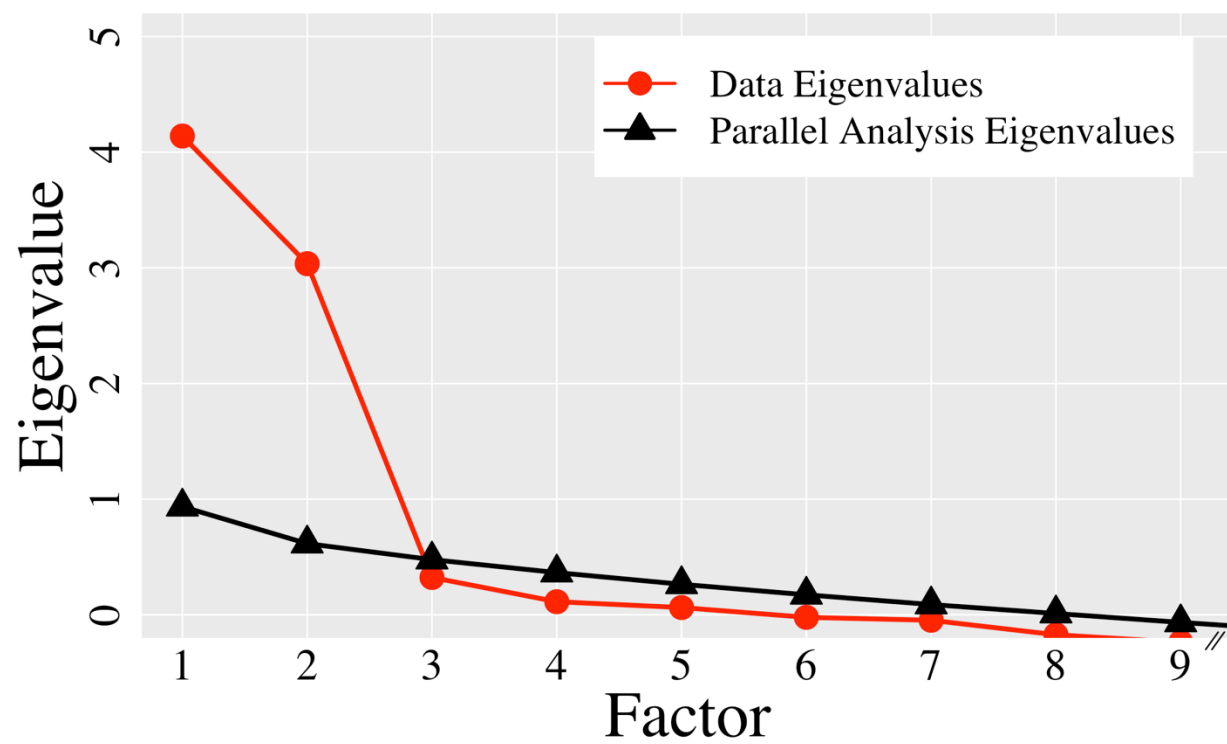
Supplemental Table 1. Fit of Models with Varying Degree of Orthogonal Polynomial Contrast Fixed Effects.

Polynomial	AIC	BIC
Quartic	17,808.82	17,923.64
Cubic	17,805.06	17,903.48
Quadratic	17,801.16	17,883.17
Linear	17,816.79	17,882.40
Intercept	17,872.13	17,921.34

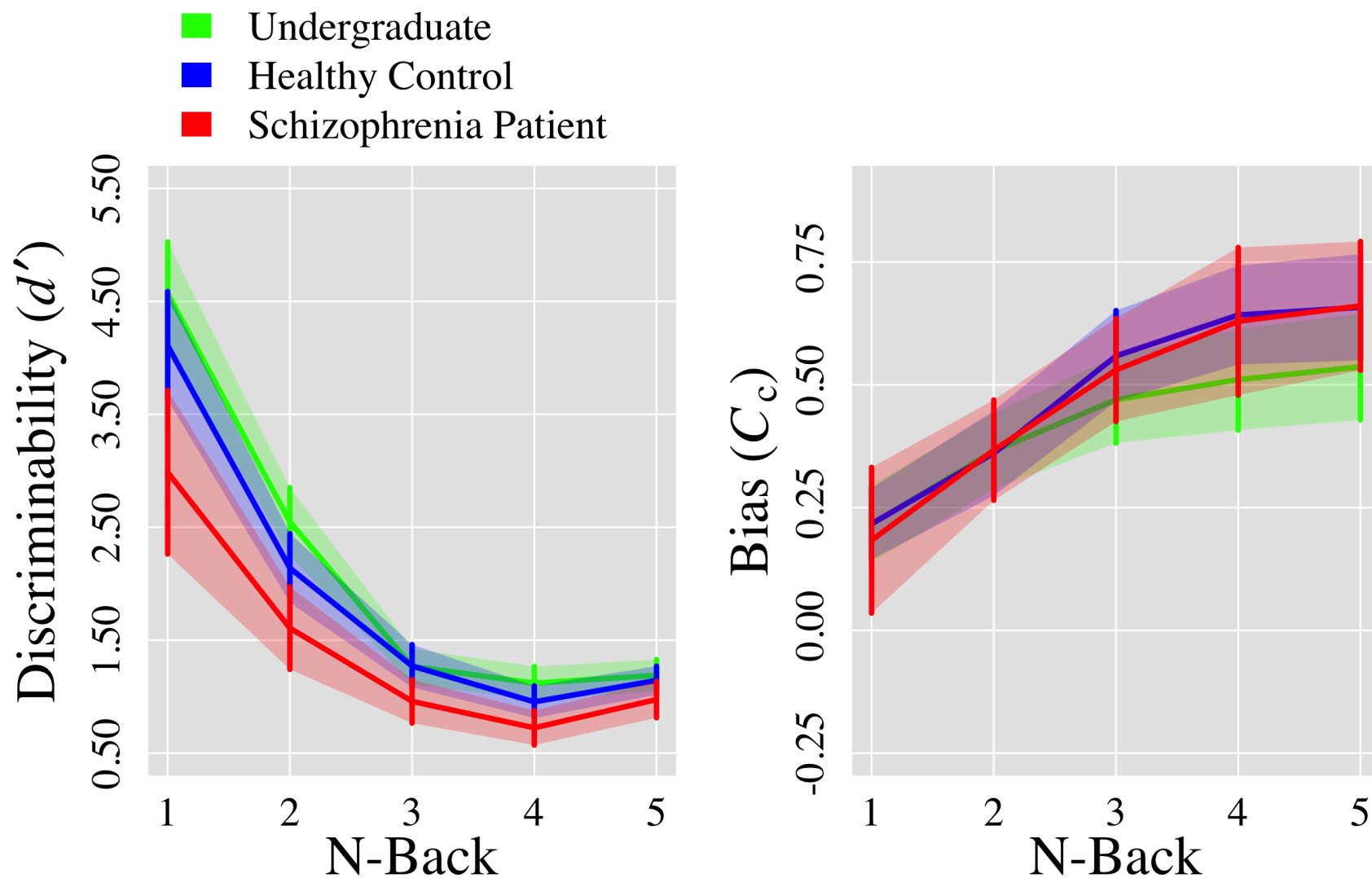
Note: Polynomial refers to the highest degree of the orthogonal polynomial terms included in the model. AIC = Akaike information criterion; BIC = Bayesian information criterion.

Supplemental Table 2. Mean Number of Iterations (Runs) at Each N-back

Condition	Testing	1-Back	2-Back	3-Back	4-Back	5-Back
Efficiency	Adaptive	0.00	0.11	2.94	1.87	0.04
Efficiency	Non-Adaptive	3.00	3.00	1.72	0.00	0.00
Precision	Adaptive	0.00	0.00	2.63	0.37	0.00
Precision	Non-Adaptive	1.00	1.00	1.00	0.00	0.00



Supplemental Figure 1. Scree plot and parallel analysis.



Supplemental Figure 2. Estimates of memory discriminability (d') and conservative bias (C_c) over N-back load by group. Bands and vertical lines indicate standard errors of the means.