General Linear Model

Between-Subjects Factors

		N
level	0_back	502
	2_back	502
stim	affective	502
	cognitive	502

Descriptive Statistics

	level	stim	Mean	Std. Deviation	N
boundary	0_back	affective	1.7808598281	.17410205007	251
		cognitive	1.8228597804	.15680416661	251
		Total	1.8018598043	.16684311492	502
	2_back	affective	1.7787799974	.20005800273	251
		cognitive	1.7957829638	.17972407643	251
		Total	1.7872814806	.19016365042	502
	Total	affective	1.7798199127	.18734527853	502
		cognitive	1.8093213721	.16902965646	502
		Total	1.7945706424	.17894328882	1004
ndt	0_back	affective	.31726847732	.07551058289	251
		cognitive	.31374068565	.07384679316	251
		Total	.31550458148	.07462963957	502
	2_back	affective	.36948473631	.08771742962	251
		cognitive	.38840127836	.09305358913	251
		Total	.37894300734	.09082937702	502
	Total	affective	.34337660681	.08583544321	502
		cognitive	.35107098200	.09186080812	502
		Total	.34722379441	.08893819130	1004
drift_rate	0_back	affective	1.7079852779	.81039898674	251
		cognitive	1.9122964923	.77129042925	251
		Total	1.8101408851	.79688467345	502
	2_back	affective	1.2766330723	.62715861040	251
		cognitive	1.2874225522	.55061237690	251
		Total	1.2820278122	.58956340263	502
	Total	affective	1.4923091751	.75537955338	502
		cognitive	1.5998595223	.73888219076	502
		Total	1.5460843487	.74873936078	1004

Descriptive Statistics

	level	stim	Mean	Std. Deviation	N
bias	0_back	affective	.50958249413	.00265252555	251
		cognitive	.46078767799	.00236731415	251
		Total	.48518508606	.02455054033	502
	2_back	affective	.47656265541	.00258104012	251
		cognitive	.46473533087	.00263026552	251
		Total	.47064899314	.00646665942	502
	Total	affective	.49307257477	.01673190556	502
		cognitive	.46276150443	.00318629978	502
		Total	.47791703960	.01936050655	1004

Box's Test of Equality of Covariance Matrices[a]

Box's M	140.054
F	4.635
df1	30
df2	2749403.341
Sig.	<.001

Tests the null hypothesis that the observed covariance matrices of the dependent variables are equal across groups.

a. Design: Intercept + scaared_panic_total + scaared_socphobia_total + scaared_gad_total + scaared_sepanx_total + gender + age + ethnicity + race + level + stim + level * ...

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
Intercept	Pillai's Trace	.991	27249.467[b]	4.000	989.000
	Wilks' Lambda	.009	27249.467[b]	4.000	989.000
	Hotelling's Trace	110.210	27249.467[b]	4.000	989.000
	Roy's Largest Root	110.210	27249.467[b]	4.000	989.000
scaared_panic_total	Pillai's Trace	.001	.295[b]	4.000	989.000
	Wilks' Lambda	.999	.295[b]	4.000	989.000
	Hotelling's Trace	.001	.295[b]	4.000	989.000
	Roy's Largest Root	.001	.295[b]	4.000	989.000
scaared_socphobia_total	Pillai's Trace	.008	1.952[b]	4.000	989.000
	Wilks' Lambda	.992	1.952[b]	4.000	989.000
	Hotelling's Trace	.008	1.952[b]	4.000	989.000
	Roy's Largest Root	.008	1.952[b]	4.000	989.000
scaared_gad_total	Pillai's Trace	.013	3.249[b]	4.000	989.000
	Wilks' Lambda	.987	3.249[b]	4.000	989.000
	Hotelling's Trace	.013	3.249[b]	4.000	989.000
	Roy's Largest Root	.013	3.249[b]	4.000	989.000
scaared_sepanx_total	Pillai's Trace	.004	1.034[b]	4.000	989.000
	Wilks' Lambda	.996	1.034[b]	4.000	989.000
	Hotelling's Trace	.004	1.034[b]	4.000	989.000
	Roy's Largest Root	.004	1.034[b]	4.000	989.000
gender	Pillai's Trace	.013	3.366[b]	4.000	989.000
	Wilks' Lambda	.987	3.366[b]	4.000	989.000
	Hotelling's Trace	.014	3.366[b]	4.000	989.000
	Roy's Largest Root	.014	3.366[b]	4.000	989.000
age	Pillai's Trace	.004	1.089[b]	4.000	989.000
	Wilks' Lambda	.996	1.089[b]	4.000	989.000
	Hotelling's Trace	.004	1.089[b]	4.000	989.000
	Roy's Largest Root	.004	1.089[b]	4.000	989.000
ethnicity	Pillai's Trace	.002	.387[b]	4.000	989.000
	Wilks' Lambda	.998	.387[b]	4.000	989.000
	Hotelling's Trace	.002	.387[b]	4.000	989.000
	Roy's Largest Root	.002	.387[b]	4.000	989.000
race	Pillai's Trace	.016	3.952[b]	4.000	989.000
	Wilks' Lambda	.984	3.952[b]	4.000	989.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
Intercept	Pillai's Trace	<.001	.991
	Wilks' Lambda	<.001	.991
	Hotelling's Trace	<.001	.991
	Roy's Largest Root	<.001	.991
scaared_panic_total	Pillai's Trace	.881	.001
	Wilks' Lambda	.881	.001
	Hotelling's Trace	.881	.001
	Roy's Largest Root	.881	.001
scaared_socphobia_total	Pillai's Trace	.100	.008
	Wilks' Lambda	.100	.008
	Hotelling's Trace	.100	.008
	Roy's Largest Root	.100	.008
scaared_gad_total	Pillai's Trace	.012	.013
	Wilks' Lambda	.012	.013
	Hotelling's Trace	.012	.013
	Roy's Largest Root	.012	.013
scaared_sepanx_total	Pillai's Trace	.388	.004
	Wilks' Lambda	.388	.004
	Hotelling's Trace	.388	.004
	Roy's Largest Root	.388	.004
gender	Pillai's Trace	.010	.013
	Wilks' Lambda	.010	.013
	Hotelling's Trace	.010	.013
	Roy's Largest Root	.010	.013
age	Pillai's Trace	.361	.004
	Wilks' Lambda	.361	.004
	Hotelling's Trace	.361	.004
	Roy's Largest Root	.361	.004
ethnicity	Pillai's Trace	.818	.002
	Wilks' Lambda	.818	.002
	Hotelling's Trace	.818	.002
	Roy's Largest Root	.818	.002
race	Pillai's Trace	.003	.016
	Wilks' Lambda	.003	.016

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
	Hotelling's Trace	.016	3.952[b]	4.000	989.000
	Roy's Largest Root	.016	3.952[b]	4.000	989.000
level	Pillai's Trace	.895	2110.476[b]	4.000	989.000
	Wilks' Lambda	.105	2110.476[b]	4.000	989.000
	Hotelling's Trace	8.536	2110.476[b]	4.000	989.000
	Roy's Largest Root	8.536	2110.476[b]	4.000	989.000
stim	Pillai's Trace	.975	9651.022[b]	4.000	989.000
	Wilks' Lambda	.025	9651.022[b]	4.000	989.000
	Hotelling's Trace	39.033	9651.022[b]	4.000	989.000
	Roy's Largest Root	39.033	9651.022[b]	4.000	989.000
level * stim	Pillai's Trace	.936	3624.421[b]	4.000	989.000
	Wilks' Lambda	.064	3624.421[b]	4.000	989.000
	Hotelling's Trace	14.659	3624.421[b]	4.000	989.000
	Roy's Largest Root	14.659	3624.421[b]	4.000	989.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
	Hotelling's Trace	.003	.016
	Roy's Largest Root	.003	.016
level	Pillai's Trace	<.001	.895
	Wilks' Lambda	<.001	.895
	Hotelling's Trace	<.001	.895
	Roy's Largest Root	<.001	.895
stim	Pillai's Trace	<.001	.975
	Wilks' Lambda	<.001	.975
	Hotelling's Trace	<.001	.975
	Roy's Largest Root	<.001	.975
level * stim	Pillai's Trace	<.001	.936
	Wilks' Lambda	<.001	.936
	Hotelling's Trace	<.001	.936
	Roy's Largest Root	<.001	.936

a. Design: Intercept + scaared_panic_total + scaared_socphobia_total + scaared_gad_total + scaared_sepanx_total + gender + age + ethnicity + race + level + stim + level * stim

b. Exact statistic

Levene's Test of Equality of Error Variances[a]

	F	df1	df2	Sig.
boundary	3.617	3	1000	.013
ndt	5.609	3	1000	<.001
drift_rate	10.735	3	1000	<.001
bias	.796	3	1000	.496

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + scaared_panic_total + scaared_socphobia_total + scaared_gad_total + scaared_sepanx_total + gender + age + ethnicity + race + level + stim + level * stim

Tests of Between-Subjects Effects

Source	Dependent Variable	Type III Sum of Squares	df	Mean Square	F
Corrected Model	boundary	.958[a]	11	.087	2.773
	ndt	1.252[b]	11	.114	16.903
	drift_rate	82.964[c]	11	7.542	15.609
	bias	.369[d]	11	.034	5124.403
Intercept	boundary	7.836	1	7.836	249.468
	ndt	.214	1	.214	31.750
	drift_rate	10.906	1	10.906	22.570
	bias	.640	1	.640	97614.920
scaared_panic_total	boundary	.000	1	.000	.003
	ndt	.000	1	.000	.071
	drift_rate	.513	1	.513	1.062
	bias	1.999E-7	1	1.999E-7	.030
scaared_socphobia_total	boundary	.014	1	.014	.458
	ndt	.041	1	.041	6.089
	drift_rate	.233	1	.233	.482
	bias	2.266E-10	1	2.266E-10	.000
scaared_gad_total	boundary	.304	1	.304	9.680
	ndt	.031	1	.031	4.670
	drift_rate	.074	1	.074	.152
	bias	5.856E-7	1	5.856E-7	.089
scaared_sepanx_total	boundary	.075	1	.075	2.390
	ndt	.002	1	.002	.308
	drift_rate	1.108	1	1.108	2.294
	bias	3.022E-6	1	3.022E-6	.461

Tests of Between-Subjects Effects

Source	Dependent Variable	Sig.	Partial Eta Squared
Corrected Model	boundary	.001	.030
	ndt	<.001	.158
	drift_rate	<.001	.148
	bias	<.001	.983
Intercept	boundary	<.001	.201
	ndt	<.001	.031
	drift_rate	<.001	.022
	bias	<.001	.990
scaared_panic_total	boundary	.954	.000
	ndt	.790	.000
	drift_rate	.303	.001
	bias	.861	.000
scaared_socphobia_total	boundary	.499	.000
	ndt	.014	.006
	drift_rate	.488	.000
	bias	.995	.000
scaared_gad_total	boundary	.002	.010
	ndt	.031	.005
	drift_rate	.696	.000
	bias	.765	.000
scaared_sepanx_total	boundary	.122	.002
	ndt	.579	.000
	drift_rate	.130	.002
	bias	.497	.000

Tests of Between-Subjects Effects

Source	Dependent Variable	Type III Sum of Squares	df	Mean Square	F
gender	boundary	.153	1	.153	4.886
	ndt	.061	1	.061	9.107
	drift_rate	2.177	1	2.177	4.506
	bias	1.846E-7	1	1.846E-7	.028
age	boundary	.036	1	.036	1.162
	ndt	.021	1	.021	3.113
	drift_rate	.004	1	.004	.008
	bias	6.868E-6	1	6.868E-6	1.048
ethnicity	boundary	.000	1	.000	.006
	ndt	.009	1	.009	1.275
	drift_rate	.054	1	.054	.113
	bias	2.376E-7	1	2.376E-7	.036
race	boundary	.058	1	.058	1.833
	ndt	.011	1	.011	1.642
	drift_rate	3.311	1	3.311	6.852
	bias	3.746E-5	1	3.746E-5	5.716
level	boundary	.053	1	.053	1.698
	ndt	1.010	1	1.010	149.976
	drift_rate	70.005	1	70.005	144.879
	bias	.053	1	.053	8091.837
stim	boundary	.218	1	.218	6.955
	ndt	.015	1	.015	2.206
	drift_rate	2.903	1	2.903	6.009
	bias	.231	1	.231	35184.735
level * stim	boundary	.039	1	.039	1.248
	ndt	.032	1	.032	4.693
	drift_rate	2.350	1	2.350	4.864
	bias	.086	1	.086	13083.734
Error	boundary	31.159	992	.031	
	ndt	6.681	992	.007	
	drift_rate	479.329	992	.483	
	bias	.007	992	6.554E-6	
Total	boundary	3265.482	1004		
	ndt	128.980	1004		
	drift_rate	2962.231	1004		
	bias	229.694	1004		
Corrected Total	boundary	32.117	1003		
	ndt	7.934	1003		

Tests of Between-Subjects Effects

Source	Dependent Variable	Sig.	Partial Eta Squared
gender	boundary	.027	.005
	ndt	.003	.009
	drift_rate	.034	.005
	bias	.867	.000
age	boundary	.281	.001
	ndt	.078	.003
	drift_rate	.930	.000
	bias	.306	.001
ethnicity	boundary	.940	.000
	ndt	.259	.001
	drift_rate	.737	.000
	bias	.849	.000
race	boundary	.176	.002
	ndt	.200	.002
	drift_rate	.009	.007
	bias	.017	.006
level	boundary	.193	.002
	ndt	<.001	.131
	drift_rate	<.001	.127
	bias	<.001	.891
stim	boundary	.008	.007
	ndt	.138	.002
	drift_rate	.014	.006
	bias	<.001	.973
level * stim	boundary	.264	.001
	ndt	.031	.005
	drift_rate	.028	.005
	bias	<.001	.930
Error	boundary		
	ndt		
	drift_rate		
	bias		
Total	boundary		
	ndt		
	drift_rate		
	bias		
Corrected Total	boundary		
	ndt		

Tests of Between-Subjects Effects

Source	Dependent Variable	Type III Sum of Squares	df	Mean Square	F
	drift_rate	562.292	1003		
	bias	.376	1003		

Tests of Between-Subjects Effects

Source	Dependent Variable	Sig.	Partial Eta Squared
	drift_rate		
	bias		

a. R Squared = .030 (Adjusted R Squared = .019)

b. R Squared = .158 (Adjusted R Squared = .149)

c. R Squared = .148 (Adjusted R Squared = .138)

d. R Squared = .983 (Adjusted R Squared = .983)

Estimated Marginal Means

1. level

Estimates

Dependent Variable	level	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
boundary	0_back	1.802[a]	.008	1.786	1.817
	2_back	1.787[a]	.008	1.772	1.803
ndt	0_back	.316[a]	.004	.308	.323
	2_back	.379[a]	.004	.372	.386
drift_rate	0_back	1.810[a]	.031	1.749	1.871
	2_back	1.282[a]	.031	1.221	1.343
bias	0_back	.485[a]	.000	.485	.485
	2_back	.471[a]	.000	.470	.471

a. Covariates appearing in the model are evaluated at the following values: scaared_panic_total = 5.82, scaared_socphobia_total = 2.05, scaared_gad_total = 9.42, scaared_sepanx_total = .05, gender = 1.69, age = 19.060603738890595, ethnicity = .25, race = 4.73.

Pairwise Comparisons

Dependent Variable	(I) level	(J) level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for [b]... Lower Bound
boundary	0_back	2_back	.015	.011	.193	-.007
	2_back	0_back	-.015	.011	.193	-.037
ndt	0_back	2_back	-.063*	.005	<.001	-.074
	2_back	0_back	.063*	.005	<.001	.053
drift_rate	0_back	2_back	.528*	.044	<.001	.442
	2_back	0_back	-.528*	.044	<.001	-.614
bias	0_back	2_back	.015*	.000	<.001	.014
	2_back	0_back	-.015*	.000	<.001	-.015

Pairwise Comparisons

Dependent Variable	(I) level	(J) level	95% Confidence Interval for [b]... Upper Bound
boundary	0_back	2_back	.037
	2_back	0_back	.007
ndt	0_back	2_back	-.053
	2_back	0_back	.074
drift_rate	0_back	2_back	.614
	2_back	0_back	-.442
bias	0_back	2_back	.015
	2_back	0_back	-.014

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.895	2110.476[a]	4.000	989.000	<.001	.895
Wilks' lambda	.105	2110.476[a]	4.000	989.000	<.001	.895
Hotelling's trace	8.536	2110.476[a]	4.000	989.000	<.001	.895
Roy's largest root	8.536	2110.476[a]	4.000	989.000	<.001	.895

Each F tests the multivariate effect of level. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

Univariate Tests

Dependent Variable		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
boundary	Contrast	.053	1	.053	1.698	.193	.002
	Error	31.159	992	.031			
ndt	Contrast	1.010	1	1.010	149.976	<.001	.131
	Error	6.681	992	.007			
drift_rate	Contrast	70.005	1	70.005	144.879	<.001	.127
	Error	479.329	992	.483			
bias	Contrast	.053	1	.053	8091.837	<.001	.891
	Error	.007	992	6.554E-6			

The F tests the effect of level. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

2. stim

Estimates

Dependent Variable	stim	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
boundary	affective	1.780[a]	.008	1.764	1.795
	cognitive	1.809[a]	.008	1.794	1.825
ndt	affective	.343[a]	.004	.336	.351
	cognitive	.351[a]	.004	.344	.358
drift_rate	affective	1.492[a]	.031	1.431	1.553
	cognitive	1.600[a]	.031	1.539	1.661
bias	affective	.493[a]	.000	.493	.493
	cognitive	.463[a]	.000	.463	.463

a. Covariates appearing in the model are evaluated at the following values: scaared_panic_total = 5.82, scaared_socphobia_total = 2.05, scaared_gad_total = 9.42, scaared_sepanx_total = .05, gender = 1.69, age = 19.060603738890595, ethnicity = .25, race = 4.73.

Pairwise Comparisons

Dependent Variable	(I) stim	(J) stim	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for [b]... Lower Bound
boundary	affective	cognitive	-.030*	.011	.008	-.051
	cognitive	affective	.030*	.011	.008	.008
ndt	affective	cognitive	-.008	.005	.138	-.018
	cognitive	affective	.008	.005	.138	-.002
drift_rate	affective	cognitive	-.108*	.044	.014	-.194
	cognitive	affective	.108*	.044	.014	.021
bias	affective	cognitive	.030*	.000	<.001	.030
	cognitive	affective	-.030*	.000	<.001	-.031

Pairwise Comparisons

Dependent Variable	(I) stim	(J) stim	95% Confidence Interval for [b]... Upper Bound
boundary	affective	cognitive	-.008
	cognitive	affective	.051
ndt	affective	cognitive	.002
	cognitive	affective	.018
drift_rate	affective	cognitive	-.021
	cognitive	affective	.194
bias	affective	cognitive	.031
	cognitive	affective	-.030

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.975	9651.022[a]	4.000	989.000	<.001	.975
Wilks' lambda	.025	9651.022[a]	4.000	989.000	<.001	.975
Hotelling's trace	39.033	9651.022[a]	4.000	989.000	<.001	.975
Roy's largest root	39.033	9651.022[a]	4.000	989.000	<.001	.975

Each F tests the multivariate effect of stim. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

Univariate Tests

Dependent Variable		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
boundary	Contrast	.218	1	.218	6.955	.008	.007
	Error	31.159	992	.031			
ndt	Contrast	.015	1	.015	2.206	.138	.002
	Error	6.681	992	.007			
drift_rate	Contrast	2.903	1	2.903	6.009	.014	.006
	Error	479.329	992	.483			
bias	Contrast	.231	1	.231	35184.735	<.001	.973
	Error	.007	992	6.554E-6			

The F tests the effect of stim. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. stim * level

Estimates

Dependent Variable	stim	level	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
boundary	affective	0_back	1.781[a]	.011	1.759	1.803
		2_back	1.779[a]	.011	1.757	1.801
	cognitive	0_back	1.823[a]	.011	1.801	1.845
		2_back	1.796[a]	.011	1.774	1.818
ndt	affective	0_back	.317[a]	.005	.307	.327
		2_back	.369[a]	.005	.359	.380
	cognitive	0_back	.314[a]	.005	.304	.324
		2_back	.388[a]	.005	.378	.399
drift_rate	affective	0_back	1.708[a]	.044	1.622	1.794
		2_back	1.277[a]	.044	1.191	1.363
	cognitive	0_back	1.912[a]	.044	1.826	1.998
		2_back	1.287[a]	.044	1.201	1.374
bias	affective	0_back	.510[a]	.000	.509	.510
		2_back	.477[a]	.000	.476	.477
	cognitive	0_back	.461[a]	.000	.460	.461
		2_back	.465[a]	.000	.464	.465

a. Covariates appearing in the model are evaluated at the following values: scaared_panic_total = 5.82, scaared_socphobia_total = 2.05, scaared_gad_total = 9.42, scaared_sepanx_total = .05, gender = 1.69, age = 19.060603738890595, ethnicity = .25, race = 4.73.

Pairwise Comparisons

Dependent Variable	level	(I) stim	(J) stim	Mean Difference (I-J)	Std. Error	Sig.[b]
boundary	0_back	affective	cognitive	-.042*	.016	.008
		cognitive	affective	.042*	.016	.008
	2_back	affective	cognitive	-.017	.016	.283
		cognitive	affective	.017	.016	.283
ndt	0_back	affective	cognitive	.004	.007	.630
		cognitive	affective	-.004	.007	.630
	2_back	affective	cognitive	-.019*	.007	.010
		cognitive	affective	.019*	.007	.010
drift_rate	0_back	affective	cognitive	-.204*	.062	.001
		cognitive	affective	.204*	.062	.001
	2_back	affective	cognitive	-.011	.062	.862
		cognitive	affective	.011	.062	.862
bias	0_back	affective	cognitive	.049*	.000	<.001
		cognitive	affective	-.049*	.000	<.001
	2_back	affective	cognitive	.012*	.000	<.001
		cognitive	affective	-.012*	.000	<.001

Pairwise Comparisons

Dependent Variable	level	(I) stim	(J) stim	95% Confidence Interval for Difference[b]	
				Lower Bound	Upper Bound
boundary	0_back	affective	cognitive	-.073	-.011
		cognitive	affective	.011	.073
	2_back	affective	cognitive	-.048	.014
		cognitive	affective	-.014	.048
ndt	0_back	affective	cognitive	-.011	.018
		cognitive	affective	-.018	.011
	2_back	affective	cognitive	-.033	-.005
		cognitive	affective	.005	.033
drift_rate	0_back	affective	cognitive	-.326	-.083
		cognitive	affective	.083	.326
	2_back	affective	cognitive	-.133	.111
		cognitive	affective	-.111	.133
bias	0_back	affective	cognitive	.048	.049
		cognitive	affective	-.049	-.048
	2_back	affective	cognitive	.011	.012
		cognitive	affective	-.012	-.011

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Multivariate Tests

level		Value	F	Hypothesis df	Error df	Sig.
0_back	Pillai's trace	.981	12549.844[a]	4.000	989.000	<.001
	Wilks' lambda	.019	12549.844[a]	4.000	989.000	<.001
	Hotelling's trace	50.758	12549.844[a]	4.000	989.000	<.001
	Roy's largest root	50.758	12549.844[a]	4.000	989.000	<.001
2_back	Pillai's trace	.746	725.599[a]	4.000	989.000	<.001
	Wilks' lambda	.254	725.599[a]	4.000	989.000	<.001
	Hotelling's trace	2.935	725.599[a]	4.000	989.000	<.001
	Roy's largest root	2.935	725.599[a]	4.000	989.000	<.001

Multivariate Tests

level		Partial Eta Squared
0_back	Pillai's trace	.981
	Wilks' lambda	.981
	Hotelling's trace	.981
	Roy's largest root	.981
2_back	Pillai's trace	.746
	Wilks' lambda	.746
	Hotelling's trace	.746
	Roy's largest root	.746

Each F tests the multivariate simple effects of stim within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

Univariate Tests

Dependent Variable	level		Sum of Squares	df	Mean Square	F
boundary	0_back	Contrast	.221	1	.221	7.048
		Error	31.159	992	.031	
	2_back	Contrast	.036	1	.036	1.155
		Error	31.159	992	.031	
ndt	0_back	Contrast	.002	1	.002	.232
		Error	6.681	992	.007	
	2_back	Contrast	.045	1	.045	6.668
		Error	6.681	992	.007	
drift_rate	0_back	Contrast	5.239	1	5.239	10.842
		Error	479.329	992	.483	
	2_back	Contrast	.015	1	.015	.030
		Error	479.329	992	.483	
bias	0_back	Contrast	.299	1	.299	45589.950
		Error	.007	992	6.554E-6	
	2_back	Contrast	.018	1	.018	2678.519
		Error	.007	992	6.554E-6	

Univariate Tests

Dependent Variable	level		Sig.	Partial Eta Squared
boundary	0_back	Contrast	.008	.007
		Error		
	2_back	Contrast	.283	.001
		Error		
ndt	0_back	Contrast	.630	.000
		Error		
	2_back	Contrast	.010	.007
		Error		
drift_rate	0_back	Contrast	.001	.011
		Error		
	2_back	Contrast	.862	.000
		Error		
bias	0_back	Contrast	<.001	.979
		Error		
	2_back	Contrast	<.001	.730
		Error		

Each F tests the simple effects of stim within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

4. stim * level

Estimates

Dependent Variable	stim	level	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
boundary	affective	0_back	1.781[a]	.011	1.759	1.803
		2_back	1.779[a]	.011	1.757	1.801
	cognitive	0_back	1.823[a]	.011	1.801	1.845
		2_back	1.796[a]	.011	1.774	1.818
ndt	affective	0_back	.317[a]	.005	.307	.327
		2_back	.369[a]	.005	.359	.380
	cognitive	0_back	.314[a]	.005	.304	.324
		2_back	.388[a]	.005	.378	.399
drift_rate	affective	0_back	1.708[a]	.044	1.622	1.794
		2_back	1.277[a]	.044	1.191	1.363
	cognitive	0_back	1.912[a]	.044	1.826	1.998
		2_back	1.287[a]	.044	1.201	1.374
bias	affective	0_back	.510[a]	.000	.509	.510
		2_back	.477[a]	.000	.476	.477
	cognitive	0_back	.461[a]	.000	.460	.461
		2_back	.465[a]	.000	.464	.465

a. Covariates appearing in the model are evaluated at the following values: scaared_panic_total = 5.82, scaared_socphobia_total = 2.05, scaared_gad_total = 9.42, scaared_sepanx_total = .05, gender = 1.69, age = 19.060603738890595, ethnicity = .25, race = 4.73.

Pairwise Comparisons

Dependent Variable	stim	(I) level	(J) level	Mean Difference (I-J)	Std. Error	Sig.[b]
boundary	affective	0_back	2_back	.002	.016	.895
		2_back	0_back	-.002	.016	.895
	cognitive	0_back	2_back	.027	.016	.087
		2_back	0_back	-.027	.016	.087
ndt	affective	0_back	2_back	-.052*	.007	<.001
		2_back	0_back	.052*	.007	<.001
	cognitive	0_back	2_back	-.075*	.007	<.001
		2_back	0_back	.075*	.007	<.001
drift_rate	affective	0_back	2_back	.431*	.062	<.001
		2_back	0_back	-.431*	.062	<.001
	cognitive	0_back	2_back	.625*	.062	<.001
		2_back	0_back	-.625*	.062	<.001
bias	affective	0_back	2_back	.033*	.000	<.001
		2_back	0_back	-.033*	.000	<.001
	cognitive	0_back	2_back	-.004*	.000	<.001
		2_back	0_back	.004*	.000	<.001

Pairwise Comparisons

Dependent Variable	stim	(I) level	(J) level	95% Confidence Interval for Difference[b] Lower Bound	Upper Bound
boundary	affective	0_back	2_back	-.029	.033
		2_back	0_back	-.033	.029
	cognitive	0_back	2_back	-.004	.058
		2_back	0_back	-.058	.004
ndt	affective	0_back	2_back	-.067	-.038
		2_back	0_back	.038	.067
	cognitive	0_back	2_back	-.089	-.060
		2_back	0_back	.060	.089
drift_rate	affective	0_back	2_back	.310	.553
		2_back	0_back	-.553	-.310
	cognitive	0_back	2_back	.503	.747
		2_back	0_back	-.747	-.503
bias	affective	0_back	2_back	.033	.033
		2_back	0_back	-.033	-.033
	cognitive	0_back	2_back	-.004	-.003
		2_back	0_back	.003	.004

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Multivariate Tests

stim		Value	F	Hypothesis df	Error df	Sig.
affective	Pillai's trace	.957	5559.823[a]	4.000	989.000	<.001
	Wilks' lambda	.043	5559.823[a]	4.000	989.000	<.001
	Hotelling's trace	22.487	5559.823[a]	4.000	989.000	<.001
	Roy's largest root	22.487	5559.823[a]	4.000	989.000	<.001
cognitive	Pillai's trace	.415	175.074[a]	4.000	989.000	<.001
	Wilks' lambda	.585	175.074[a]	4.000	989.000	<.001
	Hotelling's trace	.708	175.074[a]	4.000	989.000	<.001
	Roy's largest root	.708	175.074[a]	4.000	989.000	<.001

Multivariate Tests

stim		Partial Eta Squared
affective	Pillai's trace	.957
	Wilks' lambda	.957
	Hotelling's trace	.957
	Roy's largest root	.957
cognitive	Pillai's trace	.415
	Wilks' lambda	.415
	Hotelling's trace	.415
	Roy's largest root	.415

Each F tests the multivariate simple effects of level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

Univariate Tests

Dependent Variable	stim		Sum of Squares	df	Mean Square	F
boundary	affective	Contrast	.001	1	.001	.017
		Error	31.159	992	.031	
	cognitive	Contrast	.092	1	.092	2.929
		Error	31.159	992	.031	
ndt	affective	Contrast	.342	1	.342	50.804
		Error	6.681	992	.007	
	cognitive	Contrast	.700	1	.700	103.865
		Error	6.681	992	.007	
drift_rate	affective	Contrast	23.351	1	23.351	48.327
		Error	479.329	992	.483	
	cognitive	Contrast	49.004	1	49.004	101.416
		Error	479.329	992	.483	
bias	affective	Contrast	.137	1	.137	20877.171
		Error	.007	992	6.554E-6	
	cognitive	Contrast	.002	1	.002	298.401
		Error	.007	992	6.554E-6	

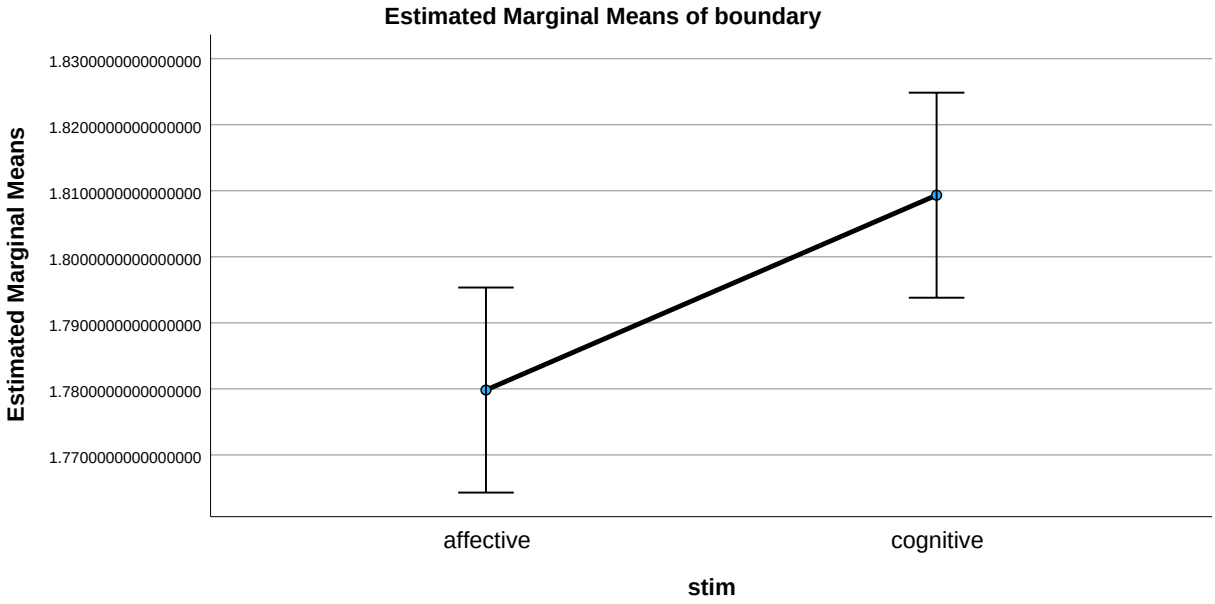
Univariate Tests

Dependent Variable	stim		Sig.	Partial Eta Squared
boundary	affective	Contrast	.895	.000
		Error		
	cognitive	Contrast	.087	.003
		Error		
ndt	affective	Contrast	<.001	.049
		Error		
	cognitive	Contrast	<.001	.095
		Error		
drift_rate	affective	Contrast	<.001	.046
		Error		
	cognitive	Contrast	<.001	.093
		Error		
bias	affective	Contrast	<.001	.955
		Error		
	cognitive	Contrast	<.001	.231
		Error		

Each F tests the simple effects of level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

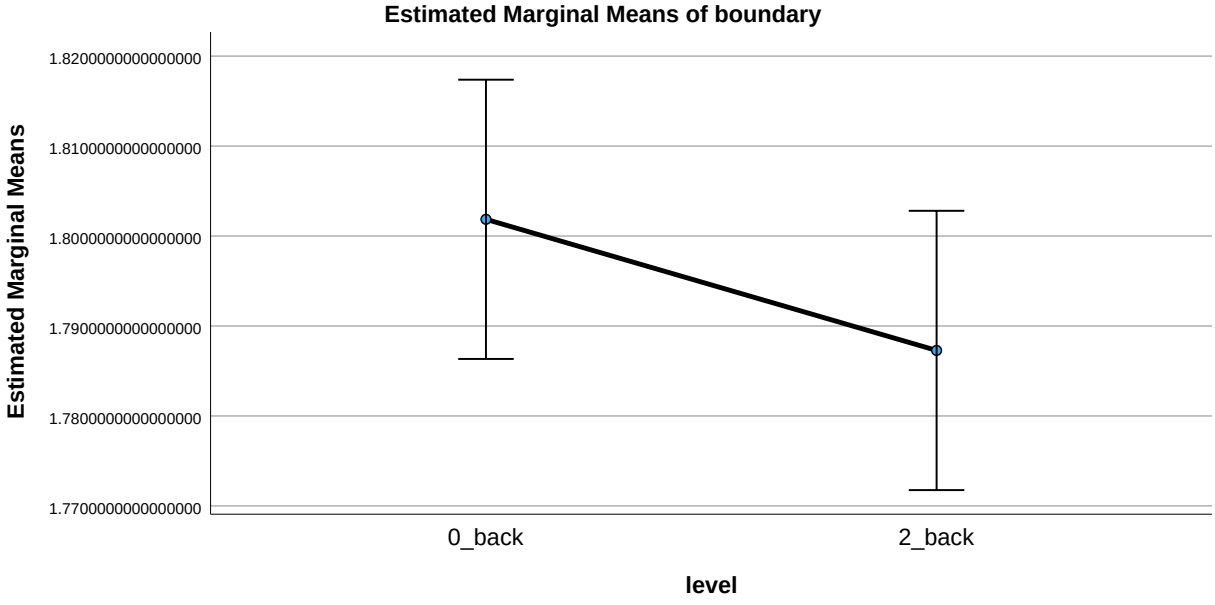
Profile Plots

boundary



Covariates appearing in the model are evaluated at the following values: scaared_panic_total = 5.82, scaared_socphobia_total = 2.05, scaared_gad_total = 9.42, scaared_sepanx_total = .05, gender = 1.69, age = 19.060603738890590, ethnicity = .25, race = 4.73

Error bars: 95% CI



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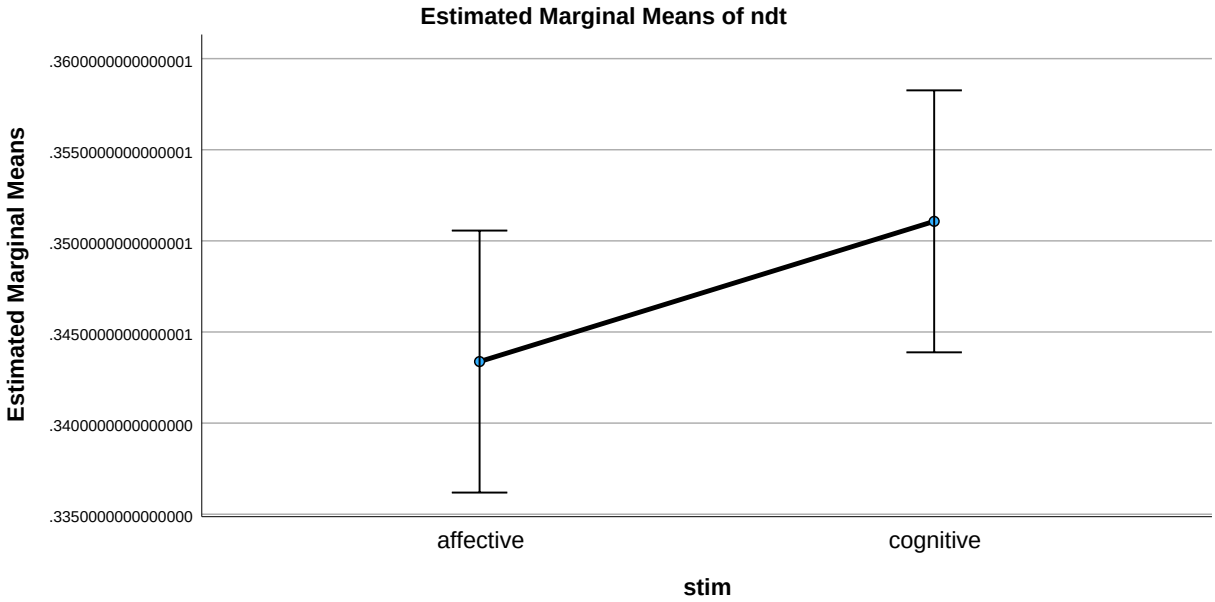
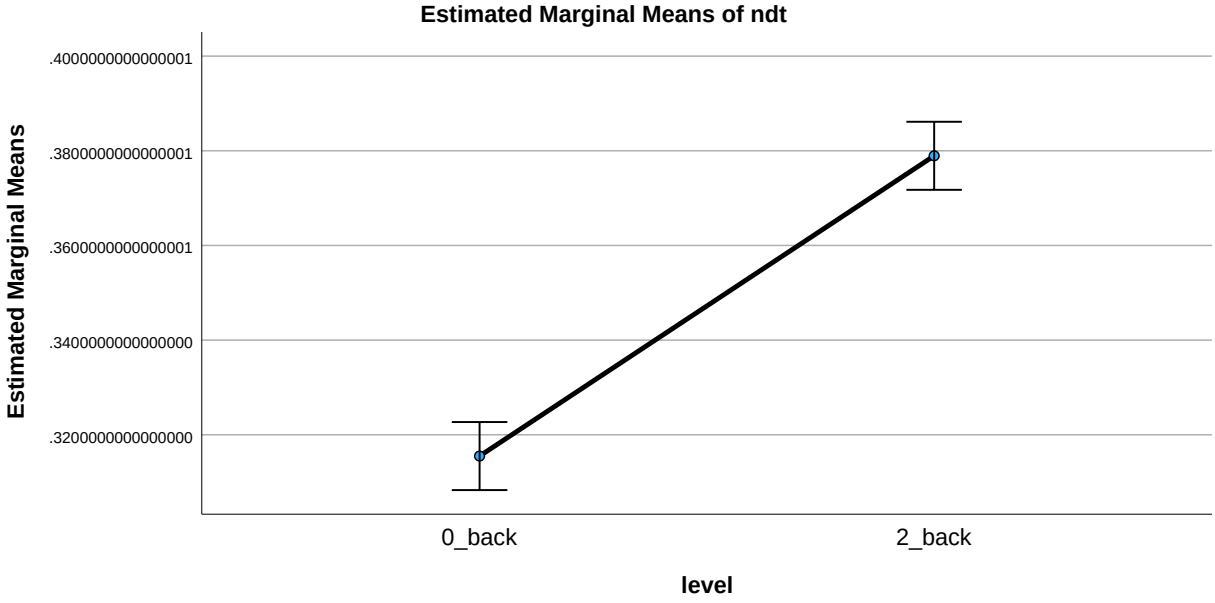
Error bars: 95% CI

ndt



Covariates appearing in the model are evaluated at the following values: scaared_panic_total = 5.82, scaared_socphobia_total = 2.05, scaared_gad_total = 9.42, scaared_sepanx_total = .05, gender = 1.69, age = 19.060603738890590, ethnicity = .25, race = 4.73

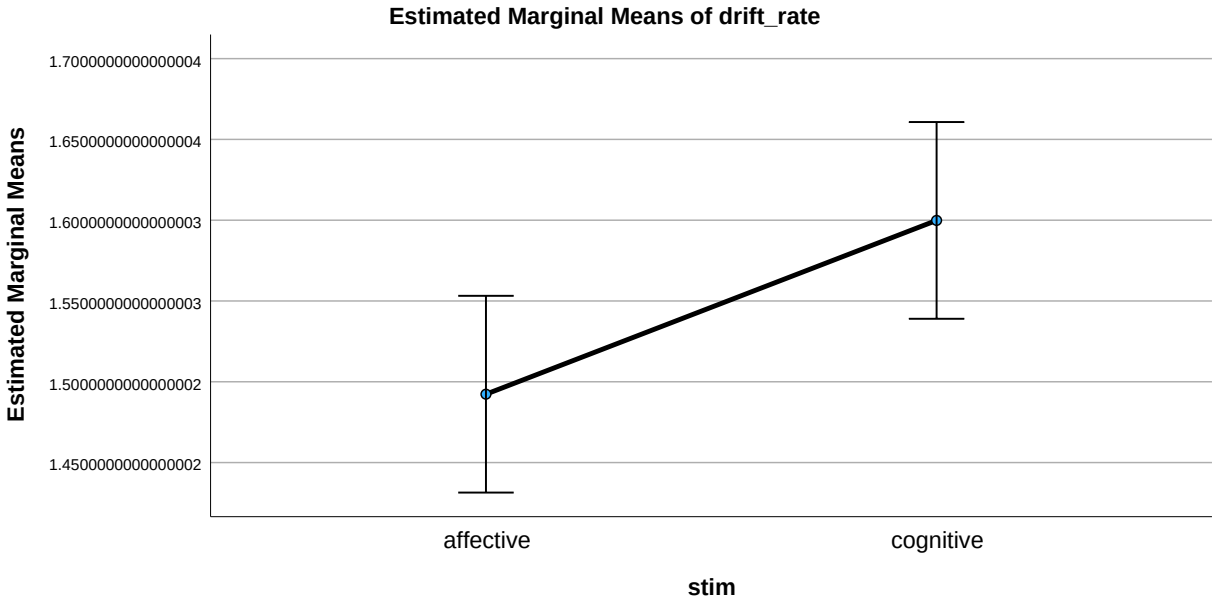
Error bars: 95% CI



Covariates appearing in the model are evaluated at the following values: scaared_panic_total = 5.82, scaared_socphobia_total = 2.05, scaared_gad_total = 9.42, scaared_sepanx_total = .05, gender = 1.69, age = 19.060603738890590, ethnicity = .25, race = 4.73

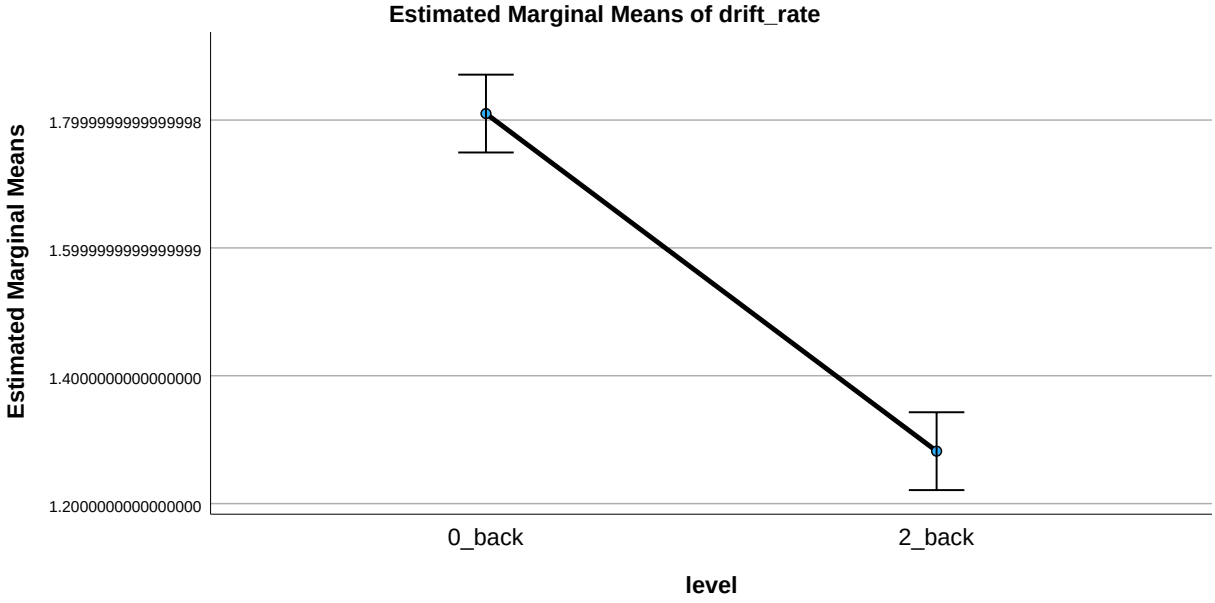
Error bars: 95% CI

drift_rate



Covariates appearing in the model are evaluated at the following values: scaared_panic_total = 5.82, scaared_socphobia_total = 2.05, scaared_gad_total = 9.42, scaared_sepanx_total = .05, gender = 1.69, age = 19.060603738890590, ethnicity = .25, race = 4.73

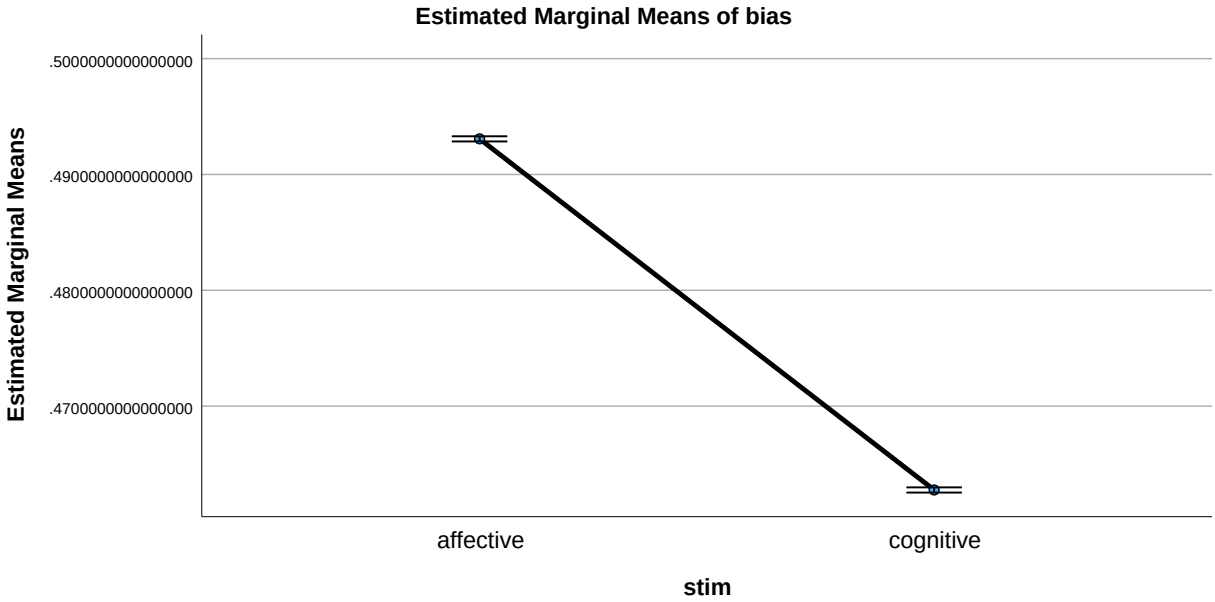
Error bars: 95% CI



Covariates appearing in the model are evaluated at the following values: scaared_panic_total = 5.82, scaared_socphobia_total = 2.05, scaared_gad_total = 9.42, scaared_sepanx_total = .05, gender = 1.69, age = 19.060603738890590, ethnicity = .25, race = 4.73

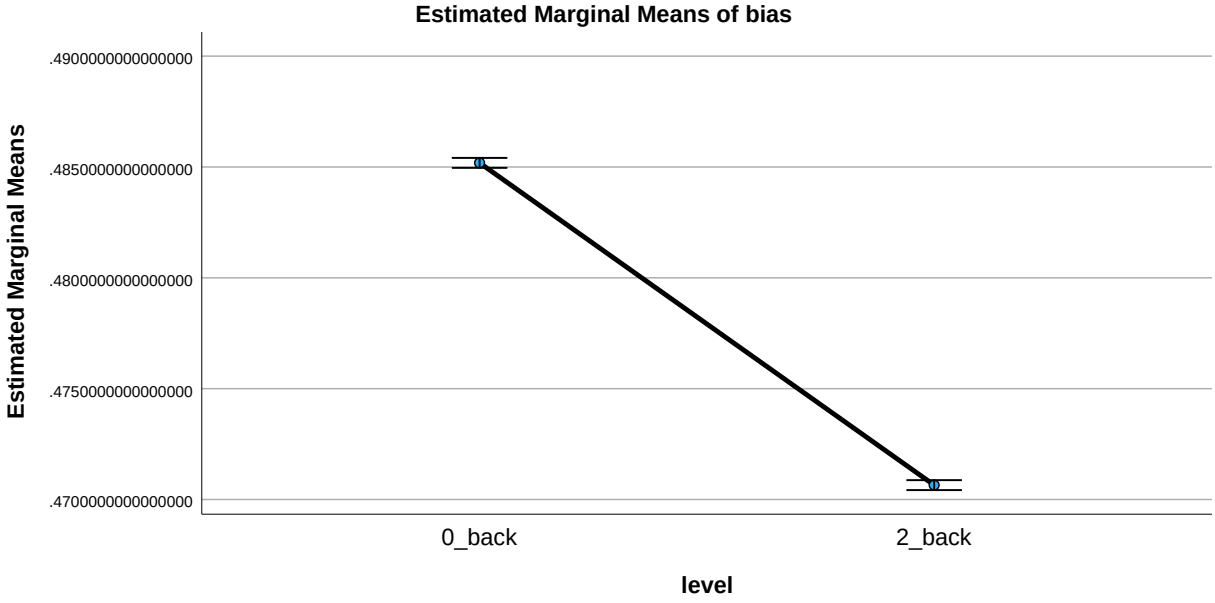
Error bars: 95% CI

bias



Covariates appearing in the model are evaluated at the following values: scaared_panic_total = 5.82, scaared_socphobia_total = 2.05, scaared_gad_total = 9.42, scaared_sepanx_total = .05, gender = 1.69, age = 19.060603738890590, ethnicity = .25, race = 4.73

Error bars: 95% CI



Covariates appearing in the model are evaluated at the following values: scaared_panic_total = 5.82, scaared_socphobia_total = 2.05, scaared_gad_total = 9.42, scaared_sepanx_total = .05, gender = 1.69, age = 19.060603738890590, ethnicity = .25, race = 4.73

Error bars: 95% CI