```
*---------------------------------------------------------------------------
----------------------------------------------------------------------------.
* .
* Model Construction for the Numeric Response Without Covariate.
* .
*---------------------------------------------------------------------------
----------------------------------------------------------------------------.

MIXED Numeric_Response BY Session Hemisphere Prime Target
  /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
    ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
  /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
ession*Target
    Hemisphere*Prime Hemisphere*Target Prime*Target Session*Hemisphere*Prim
e Session*Hemisphere*Target
    Session*Prime*Target Hemisphere*Prime*Target Session*Hemisphere*Prime*T
arget | SSTYPE(3)
  /METHOD=REML
  /SAVE RESID PRED
  /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(UN).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Hemisphere * Prime	8		1
	Session * Hemisphere * Target	8		1
	Session * Prime * Target	8		1
	Hemisphere * Prime * Target	8		1
	Session * Hemisphere * Prime * Target	16		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	Unstructured	136
Total		97		152

Model Dimension[a]

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Hemisphere * Prime		
	Session * Hemisphere * Target		
	Session * Prime * Target		
	Hemisphere * Prime * Target		
	Session * Hemisphere * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria[a]

-2 Restricted Log Likelihood	1053,529
Akaike's Information Criterion (AIC)	1325,529
Hurvich and Tsai's Criterion (AICC)	1476,395
Bozdogan's Criterion (CAIC)	1998,816
Schwarz's Bayesian Criterion (BIC)	1862,816

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	24,000	2452,170	,000
Session	1	24,000	46,308	,000
Hemisphere	1	24,000	120,468	,000
Prime	1	24,000	35,897	,000
Target	1	24,000	53,396	,000
Session * Hemisphere	1	24,000	1,644	,212
Session * Prime	1	24,000	5,701	,025
Session * Target	1	24,000	15,519	,001
Hemisphere * Prime	1	24,000	,599	,447
Hemisphere * Target	1	24,000	2,900	,101
Prime * Target	1	24,000	12,004	,002
Session * Hemisphere * Prime	1	24,000	,012	,913
Session * Hemisphere * Target	1	24,000	,140	,711
Session * Prime * Target	1	24,000	1,219	,280
Hemisphere * Prime * Target	1	24,000	1,011	,325
Session * Hemisphere * Prime * Target	1	24,000	,421	,522

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	UN (1,1)	1,961678	,566288
	UN (2,1)	,336062	,276706
	UN (2,2)	,879174	,253796
	UN (3,1)	-,139371	,247582
	UN (3,2)	,241360	,171861
	UN (3,3)	,740029	,213628
	UN (4,1)	,193034	,344463
	UN (4,2)	-,001178	,229090
	UN (4,3)	-,014355	,210201
	UN (4,4)	1,432680	,413579
	UN (5,1)	,426258	,318858
	UN (5,2)	,096442	,206302
	UN (5,3)	,214759	,193443
	UN (5,4)	-,096319	,262889
	UN (5,5)	1,151257	,332339
	UN (6,1)	-,077117	,327204
	UN (6,2)	-,561979	,247044
	UN (6,3)	-,269522	,208139
	UN (6,4)	-,505965	,297787
	UN (6,5)	-,140088	,252000
	UN (6,6)	1,306812	,377244
	UN (7,1)	-,141033	,245469
	UN (7,2)	-,068043	,163787
	UN (7,3)	-,053658	,150127
	UN (7,4)	,053435	,208614
	UN (7,5)	,051730	,187048
	UN (7,6)	,025969	,199038
	UN (7,7)	,727044	,209879
	UN (8,1)	,001052	,227591
	UN (8,2)	-,013434	,152388
	UN (8,3)	,078124	,140693
	UN (8,4)	,256466	,201421
	UN (8,5)	,130511	,176376
	UN (8,6)	,011689	,185774
	UN (8,7)	,061948	,139131
	UN (8,8)	,633716	,182938
	UN (9,1)	-,138252	,348231
	UN (9,2)	-,121925	,233688
	UN (9,3)	,204374	,217224

Estimates of Covariance Parameters[a]

Parameter	Estimate	Std. Error
UN (9,4)	-,304259	,303050
UN (9,5)	,037106	,266002
UN (9,6)	,343357	,291830
UN (9,7)	-,123482	,212800
UN (9,8)	,113900	,198639
UN (9,9)	1,473859	,425467
UN (10,1)	,424415	,348086
UN (10,2)	,439990	,242910
UN (10,3)	,003049	,207068
UN (10,4)	,331337	,295944
UN (10,5)	,147734	,260024
UN (10,6)	-,160103	,277099
UN (10,7)	,067801	,205708
UN (10,8)	,312242	,201939
UN (10,9)	-,079412	,292673
UN (10,10)	1,390544	,401416
UN (11,1)	-,471044	,311713
UN (11,2)	-,252822	,205102
UN (11,3)	-,277098	,190700
UN (11,4)	-,008463	,253404
UN (11,5)	-,174851	,229938
UN (11,6)	,402106	,255551
UN (11,7)	,011038	,180527
UN (11,8)	,227021	,174785
UN (11,9)	-,034500	,257111
UN (11,10)	,133051	,251117
UN (11,11)	1,075646	,310512
UN (12,1)	,069271	,344699
UN (12,2)	,096619	,231409
UN (12,3)	,012539	,211551
UN (12,4)	-,240579	,298399
UN (12,5)	,675977	,297746
UN (12,6)	,196445	,283949
UN (12,7)	,330672	,220269
UN (12,8)	,438420	,215239
UN (12,9)	,249501	,302843
UN (12,10)	,324675	,297447
UN (12,11)	,163524	,257207
UN (12,12)	1,451212	,418929

Estimates of Covariance Parameters[a]

Parameter	Estimate	Std. Error
UN (13,1)	,265445	,360082
UN (13,2)	-,000102	,238315
UN (13,3)	-,100036	,219596
UN (13,4)	,121218	,305225
UN (13,5)	,231260	,276765
UN (13,6)	-,021047	,290581
UN (13,7)	,152821	,218951
UN (13,8)	,337709	,213751
UN (13,9)	,372815	,317807
UN (13,10)	,427670	,312168
UN (13,11)	-,182229	,266213
UN (13,12)	,505827	,323122
UN (13,13)	1,550382	,447557
UN (14,1)	,113144	,306786
UN (14,2)	,150213	,207080
UN (14,3)	-,120449	,189495
UN (14,4)	,086517	,262030
UN (14,5)	-,070594	,234797
UN (14,6)	-,135008	,251202
UN (14,7)	-,073864	,186847
UN (14,8)	,108464	,175278
UN (14,9)	,213611	,268726
UN (14,10)	-,063526	,257887
UN (14,11)	,142460	,228387
UN (14,12)	-,293989	,269876
UN (14,13)	,317317	,279568
UN (14,14)	1,144948	,330518
UN (15,1)	-,090372	,299925
UN (15,2)	-,105157	,201553
UN (15,3)	-,033487	,183992
UN (15,4)	-,057639	,256100
UN (15,5)	-,469979	,248587
UN (15,6)	,232255	,248890
UN (15,7)	-,012795	,182264
UN (15,8)	-,032110	,170273
UN (15,9)	,066707	,259837
UN (15,10)	-,242535	,256855
UN (15,11)	,026704	,221739
UN (15,12)	-,282593	,263861

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
UN (15,13)	-,289615	,272618
UN (15,14)	-,206918	,232569
UN (15,15)	1,096382	,316498
UN (16,1)	-,100673	,300106
UN (16,2)	,321905	,210932
UN (16,3)	,081029	,184635
UN (16,4)	-,434269	,270787
UN (16,5)	-,016701	,229390
UN (16,6)	-,310793	,252470
UN (16,7)	-,061056	,182698
UN (16,8)	,123699	,172035
UN (16,9)	,415408	,273020
UN (16,10)	,173345	,254548
UN (16,11)	-,000579	,221705
UN (16,12)	,229077	,261728
UN (16,13)	,176270	,268591
UN (16,14)	,142229	,230570
UN (16,15)	-,059463	,224160
UN (16,16)	1,096708	,316592

a. Dependent Variable: Numeric_Response.

```
 MIXED Numeric_Response BY Session Hemisphere Prime Target
  /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
    ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
  /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
ession*Target
    Hemisphere*Prime Hemisphere*Target Prime*Target Session*Hemisphere*Prim
e Session*Hemisphere*Target
    Session*Prime*Target Hemisphere*Prime*Target Session*Hemisphere*Prime*T
arget | SSTYPE(3)
  /METHOD=REML
  /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(TPH).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Hemisphere * Prime	8		1
	Session * Hemisphere * Target	8		1
	Session * Prime * Target	8		1
	Hemisphere * Prime * Target	8		1
	Session * Hemisphere * Prime * Target	16		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	Heterogeneous Toeplitz	31
Total		97		47

Model Dimension[a]

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Hemisphere * Prime		
	Session * Hemisphere * Target		
	Session * Prime * Target		
	Hemisphere * Prime * Target		
	Session * Hemisphere * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria[a]

-2 Restricted Log Likelihood	1176,630
Akaike's Information Criterion (AIC)	1238,630
Hurvich and Tsai's Criterion (AICC)	1244,266
Bozdogan's Criterion (CAIC)	1392,099
Schwarz's Bayesian Criterion (BIC)	1361,099

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	24,260	2602,872	,000
Session	1	32,994	34,465	,000
Hemisphere	1	57,890	110,034	,000
Prime	1	44,420	35,344	,000
Target	1	22,059	54,087	,000
Session * Hemisphere	1	68,719	2,460	,121
Session * Prime	1	67,900	6,065	,016
Session * Target	1	37,842	16,029	,000
Hemisphere * Prime	1	56,290	,527	,471
Hemisphere * Target	1	53,764	3,819	,056
Prime * Target	1	42,566	12,045	,001
Session * Hemisphere * Prime	1	63,961	,010	,921
Session * Hemisphere * Target	1	59,815	,117	,734
Session * Prime * Target	1	71,602	1,396	,241
Hemisphere * Prime * Target	1	51,848	,961	,332
Session * Hemisphere * Prime * Target	1	60,530	,361	,550

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,917443	,568700
	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=1]	,997774	,344792
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=0]	,777642	,229901
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,497874	,461603
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,092534	,319453
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,320271	,384924
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=0]	,749731	,216414
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=1]	,609028	,173255
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,442017	,408102
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=1]	1,518905	,456817
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=0]	,988915	,275755
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,379470	,389864
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,433151	,400454
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,216407	,355371
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=0]	1,146674	,334274
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=1]	1,029881	,289832
	TPH rho 1	,073013	,054428

Estimates of Covariance Parameters[a]

Parameter	Estimate	Std. Error
TPH rho 2	-,028693	,060639
TPH rho 3	,096464	,060131
TPH rho 4	,068703	,064428
TPH rho 5	,088065	,058284
TPH rho 6	,060190	,067212
TPH rho 7	,062139	,071824
TPH rho 8	-,013725	,078841
TPH rho 9	,026935	,080672
TPH rho 10	-,174584	,086966
TPH rho 11	-,031484	,093580
TPH rho 12	-,024263	,111903
TPH rho 13	-,020307	,120447
TPH rho 14	,093432	,151832
TPH rho 15	-,043045	,203873

a. Dependent Variable: Numeric_Response.

```
 MIXED Numeric_Response BY Session Hemisphere Prime Target
  /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
    ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
  /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
ession*Target
    Hemisphere*Prime Hemisphere*Target Prime*Target Session*Hemisphere*Prim
e Session*Hemisphere*Target
    Session*Prime*Target Hemisphere*Prime*Target Session*Hemisphere*Prime*T
arget | SSTYPE(3)
  /METHOD=REML
  /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(ARH1).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Hemisphere * Prime	8		1
	Session * Hemisphere * Target	8		1
	Session * Prime * Target	8		1
	Hemisphere * Prime * Target	8		1
	Session * Hemisphere * Prime * Target	16		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	Heterogeneous First-Order Autoregressive	17
Total		97		33

Model Dimension[a]

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Hemisphere * Prime		
	Session * Hemisphere * Target		
	Session * Prime * Target		
	Hemisphere * Prime * Target		
	Session * Hemisphere * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria[a]

-2 Restricted Log Likelihood	1191,007
Akaike's Information Criterion (AIC)	1225,007
Hurvich and Tsai's Criterion (AICC)	1226,679
Bozdogan's Criterion (CAIC)	1309,168
Schwarz's Bayesian Criterion (BIC)	1292,168

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	121,015	3283,254	,000
Session	1	140,325	39,910	,000
Hemisphere	1	220,043	83,057	,000
Prime	1	353,820	41,320	,000
Target	1	146,815	32,864	,000
Session * Hemisphere	1	186,224	2,116	,147
Session * Prime	1	340,828	5,919	,015
Session * Target	1	168,890	16,826	,000
Hemisphere * Prime	1	241,223	,480	,489
Hemisphere * Target	1	244,879	3,316	,070
Prime * Target	1	343,824	14,095	,000
Session * Hemisphere * Prime	1	277,644	,009	,926
Session * Hemisphere * Target	1	216,567	,129	,720
Session * Prime * Target	1	325,534	1,467	,227
Hemisphere * Prime * Target	1	253,879	1,045	,308
Session * Hemisphere * Prime * Target	1	281,409	,382	,537

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,934314	,555752
	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=1]	,852368	,243726
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=0]	,732307	,210241
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,459223	,423053
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,181516	,343689
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,330829	,385805
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=0]	,728972	,210091
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=1]	,631013	,181465
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,483984	,428311
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=1]	1,401054	,404474
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=0]	1,068425	,307036
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,416054	,405316
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,500795	,429049
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,153053	,332823
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=0]	1,129542	,329178
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=1]	1,107646	,320310
	ARH1 rho	,076289	,053397

a. Dependent Variable: Numeric_Response.

```
 MIXED Numeric_Response BY Session Hemisphere Prime Target
   /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
     ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
   /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
ession*Target
     Hemisphere*Prime Hemisphere*Target Prime*Target Session*Hemisphere*Prim
e Session*Hemisphere*Target
     Session*Prime*Target Hemisphere*Prime*Target Session*Hemisphere*Prime*T
arget | SSTYPE(3)
   /METHOD=REML
   /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(CSH).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Hemisphere * Prime	8		1
	Session * Hemisphere * Target	8		1
	Session * Prime * Target	8		1
	Hemisphere * Prime * Target	8		1
	Session * Hemisphere * Prime * Target	16		1

Model Dimension[a]

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Hemisphere * Prime		
	Session * Hemisphere * Target		
	Session * Prime * Target		
	Hemisphere * Prime * Target		
	Session * Hemisphere * Prime * Target		

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Repeated Effects	Session * Hemisphere * Prime * Target	16	Heterogeneous Compound Symmetry	17
Total		97		33

Model Dimension[a]

		Subject Variables	Number of Subjects
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria[a]

-2 Restricted Log Likelihood	1190,084
Akaike's Information Criterion (AIC)	1224,084
Hurvich and Tsai's Criterion (AICC)	1225,756
Bozdogan's Criterion (CAIC)	1308,245
Schwarz's Bayesian Criterion (BIC)	1291,245

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	23,842	2426,195	,000
Session	1	335,786	46,800	,000
Hemisphere	1	335,052	93,010	,000
Prime	1	335,625	42,888	,000
Target	1	334,873	29,755	,000
Session * Hemisphere	1	335,034	2,412	,121
Session * Prime	1	335,373	6,266	,013
Session * Target	1	334,861	15,468	,000
Hemisphere * Prime	1	335,255	,534	,466
Hemisphere * Target	1	334,923	3,183	,075
Prime * Target	1	334,643	14,302	,000
Session * Hemisphere * Prime	1	335,223	,010	,922
Session * Hemisphere * Target	1	334,687	,122	,727
Session * Prime * Target	1	334,929	1,472	,226
Hemisphere * Prime * Target	1	335,809	1,005	,317
Session * Hemisphere * Prime * Target	1	335,433	,373	,542

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,970955	,568222
	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=1]	,880004	,253400
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=0]	,752169	,217711
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,467558	,426004
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,143124	,328352
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,354307	,394976
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=0]	,733241	,211655
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=1]	,605533	,172346
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,459664	,418960
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=1]	1,349347	,385269
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=0]	1,096440	,317703
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,399077	,398915
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,507531	,430638
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,154293	,333158
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=0]	1,149788	,337046
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=1]	1,093444	,314468
	CSH rho	,037716	,028503

```
 MIXED Numeric_Response BY Session Hemisphere Prime Target
   /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
 01) HCONVERGE(0,
     ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
   /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
 ession*Target
     Hemisphere*Prime Hemisphere*Target Prime*Target Session*Hemisphere*Prim
 e Session*Hemisphere*Target
     Session*Prime*Target Hemisphere*Prime*Target Session*Hemisphere*Prime*T
 arget | SSTYPE(3)
   /METHOD=REML
   /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(TP).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Hemisphere * Prime	8		1
	Session * Hemisphere * Target	8		1
	Session * Prime * Target	8		1
	Hemisphere * Prime * Target	8		1
	Session * Hemisphere * Prime * Target	16		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	Toeplitz	16
Total		97		32

Model Dimension^a

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Hemisphere * Prime		
	Session * Hemisphere * Target		
	Session * Prime * Target		
	Hemisphere * Prime * Target		
	Session * Hemisphere * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria^a

-2 Restricted Log Likelihood	1192,569
Akaike's Information Criterion (AIC)	1224,569
Hurvich and Tsai's Criterion (AICC)	1226,051
Bozdogan's Criterion (CAIC)	1303,779
Schwarz's Bayesian Criterion (BIC)	1287,779

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	25,207	2515,026	,000
Session	1	37,351	36,928	,000
Hemisphere	1	60,615	107,008	,000
Prime	1	47,425	35,043	,000
Target	1	24,434	57,964	,000
Session * Hemisphere	1	69,709	2,559	,114
Session * Prime	1	82,112	6,105	,016
Session * Target	1	47,938	15,794	,000
Hemisphere * Prime	1	61,234	,522	,473
Hemisphere * Target	1	56,705	3,903	,053
Prime * Target	1	45,864	11,881	,001
Session * Hemisphere * Prime	1	74,715	,010	,922
Session * Hemisphere * Target	1	61,676	,119	,732
Session * Prime * Target	1	80,729	1,369	,245
Hemisphere * Prime * Target	1	60,609	,985	,325
Session * Hemisphere * Prime * Target	1	69,445	,346	,558

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	TP diagonal	1,194949	,089567
	TP rho 1	,072136	,053714
	TP rho 2	-,041125	,059865
	TP rho 3	,097531	,059898
	TP rho 4	,064916	,061387
	TP rho 5	,072398	,059050
	TP rho 6	,071125	,067577
	TP rho 7	,072908	,069765
	TP rho 8	-,009738	,072514
	TP rho 9	,051987	,076940
	TP rho 10	-,162403	,080153
	TP rho 11	-,018043	,087734
	TP rho 12	-,008519	,097948
	TP rho 13	-,005206	,119552
	TP rho 14	,070326	,135655
	TP rho 15	-,043361	,166464

a. Dependent Variable: Numeric_Response.

```
 MIXED Numeric_Response BY Session Hemisphere Prime Target
  /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
    ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
  /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
ession*Target
    Hemisphere*Prime Hemisphere*Target Prime*Target Session*Hemisphere*Prim
e Session*Hemisphere*Target
    Session*Prime*Target Hemisphere*Prime*Target Session*Hemisphere*Prime*T
arget | SSTYPE(3)
  /METHOD=REML
  /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(AR1).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Hemisphere * Prime	8		1
	Session * Hemisphere * Target	8		1
	Session * Prime * Target	8		1
	Hemisphere * Prime * Target	8		1
	Session * Hemisphere * Prime * Target	16		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	First-Order Autoregressive	2
Total		97		18

Model Dimension^a

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Hemisphere * Prime		
	Session * Hemisphere * Target		
	Session * Prime * Target		
	Hemisphere * Prime * Target		
	Session * Hemisphere * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria^a

-2 Restricted Log Likelihood	1207,514
Akaike's Information Criterion (AIC)	1211,514
Hurvich and Tsai's Criterion (AICC)	1211,546
Bozdogan's Criterion (CAIC)	1221,416
Schwarz's Bayesian Criterion (BIC)	1219,416

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	117,837	3270,626	,000
Session	1	141,815	39,891	,000
Hemisphere	1	214,084	82,503	,000
Prime	1	383,997	41,413	,000
Target	1	143,666	33,000	,000
Session * Hemisphere	1	173,244	2,095	,150
Session * Prime	1	363,578	5,909	,016
Session * Target	1	171,755	16,837	,000
Hemisphere * Prime	1	263,291	,483	,488
Hemisphere * Target	1	241,602	3,341	,069
Prime * Target	1	371,248	14,060	,000
Session * Hemisphere * Prime	1	316,542	,009	,925
Session * Hemisphere * Target	1	204,571	,130	,719
Session * Prime * Target	1	347,843	1,468	,226
Hemisphere * Prime * Target	1	279,753	1,039	,309
Session * Hemisphere * Prime * Target	1	315,966	,379	,539

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	AR1 diagonal	1,194744	,086703
	AR1 rho	,075508	,053549

a. Dependent Variable: Numeric_Response.

```
MIXED Numeric_Response BY Session Hemisphere Prime Target
  /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
    ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
  /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
```

```
ession*Target
    Hemisphere*Prime Hemisphere*Target Prime*Target Session*Hemisphere*Prim
e Session*Hemisphere*Target
    Session*Prime*Target Hemisphere*Prime*Target Session*Hemisphere*Prime*T
arget | SSTYPE(3)
  /METHOD=REML
  /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(CS).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Hemisphere * Prime	8		1
	Session * Hemisphere * Target	8		1
	Session * Prime * Target	8		1
	Hemisphere * Prime * Target	8		1
	Session * Hemisphere * Prime * Target	16		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	Compound Symmetry	2
Total		97		18

Model Dimension[a]

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Hemisphere * Prime		
	Session * Hemisphere * Target		
	Session * Prime * Target		
	Hemisphere * Prime * Target		
	Session * Hemisphere * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria[a]

-2 Restricted Log Likelihood	1206,685
Akaike's Information Criterion (AIC)	1210,685
Hurvich and Tsai's Criterion (AICC)	1210,717
Bozdogan's Criterion (CAIC)	1220,587
Schwarz's Bayesian Criterion (BIC)	1218,587

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	24,000	2452,170	,000
Session	1	360,000	46,769	,000
Hemisphere	1	360,000	92,950	,000
Prime	1	360,000	42,937	,000
Target	1	360,000	29,705	,000
Session * Hemisphere	1	360,000	2,408	,122
Session * Prime	1	360,000	6,259	,013
Session * Target	1	360,000	15,441	,000
Hemisphere * Prime	1	360,000	,533	,466
Hemisphere * Target	1	360,000	3,177	,076
Prime * Target	1	360,000	14,304	,000
Session * Hemisphere * Prime	1	360,000	,010	,922
Session * Hemisphere * Target	1	360,000	,122	,727
Session * Prime * Target	1	360,000	1,469	,226
Hemisphere * Prime * Target	1	360,000	1,005	,317
Session * Hemisphere * Prime * Target	1	360,000	,373	,542

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	CS diagonal offset	1,151724	,085844
	CS covariance	,042781	,033561

a. Dependent Variable: Numeric_Response.

```
MIXED Numeric_Response BY Session Hemisphere Prime Target
  /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
    ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
  /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
ession*Target
```

```
     Hemisphere*Prime Hemisphere*Target Prime*Target Session*Hemisphere*Prim
e Session*Hemisphere*Target
     Session*Prime*Target Hemisphere*Prime*Target Session*Hemisphere*Prime*T
arget | SSTYPE(3)
  /METHOD=ML
  /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(CSH).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Hemisphere * Prime	8		1
	Session * Hemisphere * Target	8		1
	Session * Prime * Target	8		1
	Hemisphere * Prime * Target	8		1
	Session * Hemisphere * Prime * Target	16		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	Heterogeneous Compound Symmetry	17
Total		97		33

Model Dimension[a]

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Hemisphere * Prime		
	Session * Hemisphere * Target		
	Session * Prime * Target		
	Hemisphere * Prime * Target		
	Session * Hemisphere * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria[a]

-2 Log Likelihood	1169,694
Akaike's Information Criterion (AIC)	1235,694
Hurvich and Tsai's Criterion (AICC)	1241,825
Bozdogan's Criterion (CAIC)	1400,412
Schwarz's Bayesian Criterion (BIC)	1367,412

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	24,835	2527,286	,000
Session	1	349,777	48,750	,000
Hemisphere	1	349,012	96,885	,000
Prime	1	349,609	44,675	,000
Target	1	348,827	30,994	,000
Session * Hemisphere	1	348,994	2,512	,114
Session * Prime	1	349,347	6,527	,011
Session * Target	1	348,813	16,112	,000
Hemisphere * Prime	1	349,224	,556	,456
Hemisphere * Target	1	348,878	3,315	,069
Prime * Target	1	348,586	14,898	,000
Session * Hemisphere * Prime	1	349,191	,010	,921
Session * Hemisphere * Target	1	348,632	,127	,722
Session * Prime * Target	1	348,885	1,533	,217
Hemisphere * Prime * Target	1	349,801	1,047	,307
Session * Hemisphere * Prime * Target	1	349,409	,388	,534

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,892117	,534472
	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=1]	,844804	,238349
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=0]	,722082	,204780
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,408856	,400701
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,097399	,308849
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,300135	,371516
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=0]	,703912	,199083
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=1]	,581311	,162110
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,401278	,394076
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=1]	1,295373	,362386
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=0]	1,052583	,298832
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,343114	,375221
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,447230	,405060
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,108121	,313370
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=0]	1,103797	,317027
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=1]	1,049706	,295789
	CSH rho	,037716	,027927

a. Dependent Variable: Numeric_Response.

```
 MIXED Numeric_Response BY Session Hemisphere Prime Target
   /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
     ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
   /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
ession*Target
     Hemisphere*Prime Hemisphere*Target Prime*Target Session*Hemisphere*Prim
e Session*Hemisphere*Target
     Session*Prime*Target Hemisphere*Prime*Target | SSTYPE(3)
   /METHOD=ML
   /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(CSH).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Hemisphere * Prime	8		1
	Session * Hemisphere * Target	8		1
	Session * Prime * Target	8		1
	Hemisphere * Prime * Target	8		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	Heterogeneous Compound Symmetry	17
Total		81		32

Model Dimension^a

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Hemisphere * Prime		
	Session * Hemisphere * Target		
	Session * Prime * Target		
	Hemisphere * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria^a

-2 Log Likelihood	1170,082
Akaike's Information Criterion (AIC)	1234,082
Hurvich and Tsai's Criterion (AICC)	1239,837
Bozdogan's Criterion (CAIC)	1393,809
Schwarz's Bayesian Criterion (BIC)	1361,809

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	25,013	2564,553	,000
Session	1	346,274	50,404	,000
Hemisphere	1	349,014	96,438	,000
Prime	1	352,304	44,294	,000
Target	1	347,072	31,125	,000
Session * Hemisphere	1	353,919	2,777	,096
Session * Prime	1	349,057	6,500	,011
Session * Target	1	346,718	15,947	,000
Hemisphere * Prime	1	349,240	,558	,455
Hemisphere * Target	1	346,698	3,198	,075
Prime * Target	1	348,404	14,695	,000
Session * Hemisphere * Prime	1	349,543	,013	,908
Session * Hemisphere * Target	1	347,605	,076	,783
Session * Prime * Target	1	350,069	1,412	,236
Hemisphere * Prime * Target	1	344,726	,968	,326

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=0]	1,895139	,536114
	Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=1]	,845355	,238663
	Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=0]	,722457	,205002
	Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=1]	1,410480	,401618
	Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=0]	1,098359	,309385
	Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=1]	1,301492	,372296
	Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=0]	,704315	,199315
	Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=1]	,581616	,162275
	Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=0]	1,402856	,394946
	Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=1]	1,296849	,363181
	Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=0]	1,053480	,299346
	Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=1]	1,344617	,376037
	Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=0]	1,449061	,406044
	Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=1]	1,109072	,313908
	Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=0]	1,104665	,317544
	Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=1]	1,050636	,296307
	CSH rho	,037624	,027909

a. Dependent Variable: Numeric_Response.

```
MIXED Numeric_Response BY Session Hemisphere Prime Target
  /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
    ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
  /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
ession*Target
    Hemisphere*Prime Hemisphere*Target Prime*Target Session*Hemisphere*Prim
e Session*Hemisphere*Target
    Session*Prime*Target | SSTYPE(3)
  /METHOD=ML
  /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(CSH).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Hemisphere * Prime	8		1
	Session * Hemisphere * Target	8		1
	Session * Prime * Target	8		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	Heterogeneous Compound Symmetry	17
Total		73		31

Model Dimension[a]

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Hemisphere * Prime		
	Session * Hemisphere * Target		
	Session * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria[a]

-2 Log Likelihood	1171,046
Akaike's Information Criterion (AIC)	1233,046
Hurvich and Tsai's Criterion (AICC)	1238,438
Bozdogan's Criterion (CAIC)	1387,782
Schwarz's Bayesian Criterion (BIC)	1356,782

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	25,418	2596,382	,000
Session	1	349,536	49,321	,000
Hemisphere	1	354,868	99,872	,000
Prime	1	352,183	44,153	,000
Target	1	344,814	30,700	,000
Session * Hemisphere	1	354,628	2,621	,106
Session * Prime	1	351,718	6,222	,013
Session * Target	1	344,762	16,101	,000
Hemisphere * Prime	1	349,654	,519	,472
Hemisphere * Target	1	346,093	3,753	,054
Prime * Target	1	350,157	15,471	,000
Session * Hemisphere * Prime	1	349,647	,012	,912
Session * Hemisphere * Target	1	346,243	,116	,734
Session * Prime * Target	1	350,095	1,531	,217

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,893265	,535115
	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=1]	,844977	,238471
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=0]	,722081	,204823
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,409200	,400970
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,097786	,309083
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,300365	,371731
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=0]	,703993	,199158
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=1]	,581619	,162257
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,411447	,399461
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=1]	1,303940	,366927
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=0]	1,057976	,301825
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,352574	,380186
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,457967	,410697
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,114329	,316765
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=0]	1,109675	,320381
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=1]	1,055235	,298794
	CSH rho	,037320	,027838

a. Dependent Variable: Numeric_Response.

```
 MIXED Numeric_Response BY Session Hemisphere Prime Target
  /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
    ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
  /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
ession*Target
    Hemisphere*Prime Hemisphere*Target Prime*Target Session*Hemisphere*Targ
et
    Session*Prime*Target | SSTYPE(3)
  /METHOD=ML
  /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(CSH).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Hemisphere * Target	8		1
	Session * Prime * Target	8		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	Heterogeneous Compound Symmetry	17
Total		65		30

Model Dimension[a]

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Hemisphere * Target		
	Session * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria[a]

-2 Log Likelihood	1171,059
Akaike's Information Criterion (AIC)	1231,059
Hurvich and Tsai's Criterion (AICC)	1236,099
Bozdogan's Criterion (CAIC)	1380,802
Schwarz's Bayesian Criterion (BIC)	1350,802

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	25,485	2599,308	,000
Session	1	348,827	49,442	,000
Hemisphere	1	353,002	100,266	,000
Prime	1	351,569	44,286	,000
Target	1	344,767	31,182	,000
Session * Hemisphere	1	354,144	2,618	,107
Session * Prime	1	352,870	6,219	,013
Session * Target	1	342,376	16,225	,000
Hemisphere * Prime	1	345,061	,534	,465
Hemisphere * Target	1	346,286	3,774	,053
Prime * Target	1	352,259	15,564	,000
Session * Hemisphere * Target	1	352,031	,126	,723
Session * Prime * Target	1	349,961	1,528	,217

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,894067	,535460
	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=1]	,844862	,238405
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=0]	,722188	,204881
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,408805	,400756
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,098059	,309215
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,300005	,371536
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=0]	,704100	,199215
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=1]	,581569	,162228
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,410046	,398534
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=1]	1,305261	,367420
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=0]	1,057188	,301320
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,353989	,380705
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,456541	,409753
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,115286	,317160
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=0]	1,108752	,319778
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=1]	1,056100	,299153
	CSH rho	,037301	,027832

a. Dependent Variable: Numeric_Response.

```
MIXED Numeric_Response BY Session Hemisphere Prime Target
  /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
    ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
  /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
ession*Target
    Hemisphere*Prime Hemisphere*Target Prime*Target
    Session*Prime*Target | SSTYPE(3)
  /METHOD=ML
  /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(CSH).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Prime * Target	8		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	Heterogeneous Compound Symmetry	17
Total		57		29

Model Dimension[a]

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria[a]

-2 Log Likelihood	1171,184
Akaike's Information Criterion (AIC)	1229,184
Hurvich and Tsai's Criterion (AICC)	1233,886
Bozdogan's Criterion (CAIC)	1373,936
Schwarz's Bayesian Criterion (BIC)	1344,936

The information criteria are displayed in smaller-is-better form.
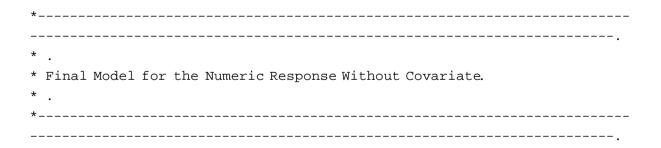
a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	25,449	2605,138	,000
Session	1	349,749	49,318	,000
Hemisphere	1	352,841	100,313	,000
Prime	1	346,553	44,227	,000
Target	1	343,083	31,069	,000
Session * Hemisphere	1	354,177	2,610	,107
Session * Prime	1	346,095	6,486	,011
Session * Target	1	341,676	16,556	,000
Hemisphere * Prime	1	345,941	,559	,455
Hemisphere * Target	1	341,150	3,946	,048
Prime * Target	1	351,834	15,693	,000
Session * Prime * Target	1	349,896	1,572	,211

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=0]	1,892443	,534682
	Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=1]	,844715	,238330
	Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=0]	,722972	,205287
	Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=1]	1,410509	,401561
	Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=0]	1,097537	,308947
	Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=1]	1,299495	,371297
	Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=0]	,704851	,199603
	Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=1]	,581875	,162387

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,414008	,400370
	Var: [Session=3]*[Hemisphere=0]*[Prime=0]*[Target=1]	1,310313	,369668
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=0]	1,054638	,299928
	Var: [Session=3]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,350008	,378559
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,460823	,411697
	Var: [Session=3]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,119000	,318902
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=0]	1,105797	,318154
	Var: [Session=3]*[Hemisphere=1]*[Prime=1]*[Target=1]	1,053655	,297814
	CSH rho	,037229	,027814

a. Dependent Variable: Numeric_Response.

```
*-------------------------------------------------------------------------
-------------------------------------------------------------------------.
* .
* Final Model for the Numeric Response Without Covariate.
* .
*-------------------------------------------------------------------------
-------------------------------------------------------------------------.

MIXED Numeric_Response BY Session Hemisphere Prime Target
  /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.0000000000
01) HCONVERGE(0,
    ABSOLUTE) LCONVERGE(0, ABSOLUTE) PCONVERGE(0.000001, ABSOLUTE)
  /FIXED=Session Hemisphere Prime Target Session*Hemisphere Session*Prime S
ession*Target
    Hemisphere*Prime Hemisphere*Target Prime*Target
```

```
   Session*Prime*Target | SSTYPE(3)
  /METHOD=REML
  /REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(CSH).
```

Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	Session	2		1
	Hemisphere	2		1
	Prime	2		1
	Target	2		1
	Session * Hemisphere	4		1
	Session * Prime	4		1
	Session * Target	4		1
	Hemisphere * Prime	4		1
	Hemisphere * Target	4		1
	Prime * Target	4		1
	Session * Prime * Target	8		1
Repeated Effects	Session * Hemisphere * Prime * Target	16	Heterogeneous Compound Symmetry	17
Total		57		29

Model Dimension[a]

		Subject Variables	Number of Subjects
Fixed Effects	Intercept		
	Session		
	Hemisphere		
	Prime		
	Target		
	Session * Hemisphere		
	Session * Prime		
	Session * Target		
	Hemisphere * Prime		
	Hemisphere * Target		
	Prime * Target		
	Session * Prime * Target		
Repeated Effects	Session * Hemisphere * Prime * Target	PP	25
Total			

a. Dependent Variable: Numeric_Response.

Information Criteria[a]

-2 Restricted Log Likelihood	1193,438
Akaike's Information Criterion (AIC)	1227,438
Hurvich and Tsai's Criterion (AICC)	1229,092
Bozdogan's Criterion (CAIC)	1311,775
Schwarz's Bayesian Criterion (BIC)	1294,775

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: Numeric_Response.

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	24,451	2502,578	,000
Session	1	339,983	47,879	,000
Hemisphere	1	343,052	97,387	,000
Prime	1	337,091	42,950	,000
Target	1	333,874	30,169	,000
Session * Hemisphere	1	344,233	2,535	,112
Session * Prime	1	336,583	6,300	,013
Session * Target	1	332,466	16,074	,000
Hemisphere * Prime	1	336,719	,543	,462
Hemisphere * Target	1	332,063	3,829	,051
Prime * Target	1	342,004	15,229	,000
Session * Prime * Target	1	340,265	1,527	,217

a. Dependent Variable: Numeric_Response.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Repeated Measures	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=0]	1,942100	,553079
	Var: [Session=1]*[Hemisphere=0]*[Prime=0]*[Target=1]	,873603	,249827
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=0]	,747747	,215184
	Var: [Session=1]*[Hemisphere=0]*[Prime=1]*[Target=1]	1,449633	,416296
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=0]	1,133618	,323133
	Var: [Session=1]*[Hemisphere=1]*[Prime=0]*[Target=1]	1,338574	,386362
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=0]	,728866	,209178
	Var: [Session=1]*[Hemisphere=1]*[Prime=1]*[Target=1]	,602332	,170584

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
	Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=0]	1,456844	,416890
	Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=1]	1,348608	,384279
	Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=0]	1,088336	,313129
	Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=1]	1,389586	,393603
	Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=0]	1,504092	,428251
	Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=1]	1,154539	,332832
	Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=0]	1,140970	,331980
	Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=1]	1,087899	,311264
	CSH rho	,038214	,028593

a. Dependent Variable: Numeric_Response.