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MIXED Visual_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
/SAVE RESID PRED
/REPEATED=Session*Hemisphere*Prime*Target | SUBJECT(PP) COVTYPE(CS).

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Mixed Model Analysis

Model Dimension^a

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1	Compound Symmetry	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	PP	25
	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		
Total			

a. Dependent Variable: Visual_Response.

Information Criteria^a

-2 Log Likelihood	637,723
Akaike's Information Criterion (AIC)	673,723
Hurvich and Tsai's Criterion (AICC)	675,518
Bozdogan's Criterion (CAIC)	763,569
Schwarz's Bayesian Criterion (BIC)	745,569

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	25,000	19576,679	,000
Session	1	375,000	73,391	,000
Hemisphere	1	375,000	65,703	,000
Prime	1	375,000	667,198	,000
Target	1	375,000	427,971	,000
Session * Hemisphere	1	375,000	,181	,670
Session * Prime	1	375,000	188,867	,000
Session * Target	1	375,000	,005	,941
Hemisphere * Prime	1	375,000	,067	,796
Hemisphere * Target	1	375,000	3,436	,065
Prime * Target	1	375,000	21,917	,000
Session * Hemisphere * Prime	1	375,000	,945	,332
Session * Hemisphere * Target	1	375,000	17,486	,000
Session * Prime * Target	1	375,000	3,759	,053
Hemisphere * Prime * Target	1	375,000	,175	,676
Session * Hemisphere * Prime * Target	1	375,000	,394	,531

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Repeated Measures CS diagonal offset	,291588	,021295
CS covariance	-,002979	,004513

a. Dependent Variable: Visual_Response.

* -----

 * .
 *Covariance matrix comparisons (Switch to REML).
 * .

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* -----
----- .

MIXED Visual_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(UN).

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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

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

Model Dimension^a

	Number of Levels	Covariance Structure	Number of Parameters
Total	97		152

Model Dimension^a

	Subject Variables	Number of Subjects
Total		

a. Dependent Variable: Visual_Response.

Information Criteria^a

-2 Restricted Log Likelihood	519,580
Akaike's Information Criterion (AIC)	791,580
Hurvich and Tsai's Criterion (AICC)	942,446
Bozdogan's Criterion (CAIC)	1464,867
Schwarz's Bayesian Criterion (BIC)	1328,867

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	24,000	18793,612	,000
Session	1	24,000	66,220	,000
Hemisphere	1	24,000	97,786	,000
Prime	1	24,000	786,394	,000
Target	1	24,000	568,393	,000
Session * Hemisphere	1	24,000	,181	,674
Session * Prime	1	24,000	117,673	,000
Session * Target	1	24,000	,004	,950
Hemisphere * Prime	1	24,000	,052	,821
Hemisphere * Target	1	24,000	4,525	,044
Prime * Target	1	24,000	21,716	,000
Session * Hemisphere * Prime	1	24,000	1,044	,317
Session * Hemisphere * Target	1	24,000	17,576	,000
Session * Prime * Target	1	24,000	4,698	,040
Hemisphere * Prime * Target	1	24,000	,214	,648
Session * Hemisphere * Prime * Target	1	24,000	,234	,633

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter		Estimate	Std. Error
Repeated Measures	UN (1,1)	,253438	,073161
	UN (2,1)	,029185	,047821
	UN (2,2)	,213196	,061544
	UN (3,1)	,004635	,056126
	UN (3,2)	,023222	,051688
	UN (3,3)	,298224	,086090
	UN (4,1)	-,082800	,055936
	UN (4,2)	,040703	,049606
	UN (4,3)	-,118190	,062671
	UN (4,4)	,269246	,077725
	UN (5,1)	-,003685	,058549
	UN (5,2)	-,056043	,054900
	UN (5,3)	,023247	,063684
	UN (5,4)	-,084499	,062759
	UN (5,5)	,324569	,093695
	UN (6,1)	-,098877	,063457
	UN (6,2)	,045779	,055964
	UN (6,3)	,032691	,065601
	UN (6,4)	,049573	,062830
	UN (6,5)	,079956	,070012
	UN (6,6)	,342749	,098943
	UN (7,1)	4,216667E-5	,048203
	UN (7,2)	,021766	,044433
	UN (7,3)	-,007898	,052313
	UN (7,4)	-,066221	,051489
	UN (7,5)	-,010046	,054588
	UN (7,6)	-,001147	,056057
	UN (7,7)	,220031	,063517
	UN (8,1)	,049344	,063686
	UN (8,2)	,044984	,058403
	UN (8,3)	,151393	,074889
	UN (8,4)	-,016806	,064907
	UN (8,5)	-,017248	,071252
	UN (8,6)	-,056595	,074037
	UN (8,7)	-,038732	,059125
	UN (8,8)	,374483	,108104
	UN (9,1)	-,018880	,044150
	UN (9,2)	-,000490	,040339
	UN (9,3)	,039501	,048386

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
UN (9,4)	-,051482	,046535
UN (9,5)	,008521	,049803
UN (9,6)	-,058631	,052529
UN (9,7)	,006464	,041002
UN (9,8)	,037235	,054000
UN (9,9)	,183181	,052880
UN (10,1)	,061919	,061367
UN (10,2)	,048775	,055971
UN (10,3)	,046018	,065816
UN (10,4)	-,024531	,062098
UN (10,5)	-,066415	,069297
UN (10,6)	,030580	,070114
UN (10,7)	,079281	,058247
UN (10,8)	,033570	,073318
UN (10,9)	-,077224	,053432
UN (10,10)	,341499	,098582
UN (11,1)	-,057143	,056109
UN (11,2)	-,027592	,050652
UN (11,3)	-,035931	,059985
UN (11,4)	,028801	,056874
UN (11,5)	-,002737	,062112
UN (11,6)	-,022404	,063989
UN (11,7)	-,071358	,053172
UN (11,8)	-,091621	,069286
UN (11,9)	,036403	,047248
UN (11,10)	-,010859	,063747
UN (11,11)	,285246	,082343
UN (12,1)	,012882	,065688
UN (12,2)	-,084887	,062643
UN (12,3)	-,079360	,073018
UN (12,4)	-,087441	,069966
UN (12,5)	,126389	,078630
UN (12,6)	-,121496	,080257
UN (12,7)	-,034262	,061555
UN (12,8)	,020496	,079894
UN (12,9)	,029520	,056125
UN (12,10)	-,117671	,079886
UN (12,11)	,138146	,075125
UN (12,12)	,407954	,117766

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
UN (13,1)	-,024431	,058782
UN (13,2)	,031453	,054102
UN (13,3)	,052543	,064434
UN (13,4)	,013844	,060435
UN (13,5)	-,152897	,073262
UN (13,6)	,074247	,069779
UN (13,7)	,014248	,054651
UN (13,8)	,058807	,072201
UN (13,9)	-,053476	,050977
UN (13,10)	,079591	,069903
UN (13,11)	,007852	,062158
UN (13,12)	-,114865	,077921
UN (13,13)	,324857	,093778
UN (14,1)	-,014313	,048912
UN (14,2)	-,042246	,045603
UN (14,3)	,011208	,053012
UN (14,4)	-,058342	,051714
UN (14,5)	-,043379	,055958
UN (14,6)	-,050879	,057721
UN (14,7)	,012613	,045566
UN (14,8)	,010238	,059386
UN (14,9)	,068200	,043781
UN (14,10)	,029613	,056997
UN (14,11)	,036004	,052316
UN (14,12)	,009317	,061974
UN (14,13)	-,016908	,055385
UN (14,14)	,225742	,065166
UN (15,1)	,024052	,070680
UN (15,2)	,163658	,072788
UN (15,3)	-,092401	,078777
UN (15,4)	,052228	,073453
UN (15,5)	,036024	,080131
UN (15,6)	-,028427	,082202
UN (15,7)	-,056428	,066700
UN (15,8)	,039293	,086083
UN (15,9)	,063898	,061347
UN (15,10)	-,066282	,082958
UN (15,11)	,048147	,075446
UN (15,12)	,033234	,089714

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
UN (15,13)	-,089424	,081888
UN (15,14)	-,033975	,066905
UN (15,15)	,470792	,135906
UN (16,1)	-,016214	,053984
UN (16,2)	,031721	,049842
UN (16,3)	-,070126	,060177
UN (16,4)	,117060	,060460
UN (16,5)	-,020027	,061114
UN (16,6)	,008062	,062683
UN (16,7)	,003282	,050210
UN (16,8)	-,004545	,065505
UN (16,9)	-,023393	,046058
UN (16,10)	-,035941	,062976
UN (16,11)	,016792	,057267
UN (16,12)	-,004108	,068368
UN (16,13)	,009601	,061036
UN (16,14)	-,014342	,050938
UN (16,15)	,018353	,073535
UN (16,16)	,274941	,079369

a. Dependent Variable: Visual_Response.

```

MIXED Visual_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).

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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	PP	25
	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		
Total			

a. Dependent Variable: Visual_Response.

Information Criteria^a

-2 Restricted Log Likelihood	657,066
Akaike's Information Criterion (AIC)	719,066
Hurvich and Tsai's Criterion (AICC)	724,702
Bozdogan's Criterion (CAIC)	872,536
Schwarz's Bayesian Criterion (BIC)	841,536

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	24,406	20109,336	,000
Session	1	46,805	71,680	,000
Hemisphere	1	52,282	83,229	,000
Prime	1	46,336	760,684	,000
Target	1	23,317	522,289	,000
Session * Hemisphere	1	55,307	,161	,689
Session * Prime	1	85,983	168,283	,000
Session * Target	1	46,832	,004	,950
Hemisphere * Prime	1	58,717	,070	,792
Hemisphere * Target	1	46,280	4,103	,049
Prime * Target	1	43,585	24,849	,000
Session * Hemisphere * Prime	1	72,989	,799	,374
Session * Hemisphere * Target	1	50,890	12,901	,001
Session * Prime * Target	1	71,032	2,976	,089
Hemisphere * Prime * Target	1	53,942	,183	,670
Session * Hemisphere * Prime * Target	1	90,465	,352	,555

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Repeated Measures		
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=0]	,264971	,080508
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=1]	,216228	,068697
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=0]	,308189	,100161
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=1]	,256169	,079208
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=0]	,304841	,088219
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=1]	,345622	,100368
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=0]	,221253	,063581
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=1]	,380007	,110453
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=0]	,187064	,054324
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=1]	,366119	,108885
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=0]	,288160	,083075
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=1]	,384308	,108822
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=0]	,308376	,087666
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=1]	,223832	,064395
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=0]	,459002	,132692
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=1]	,307584	,093596
TPH rho 1	-,046061	,054857

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
TPH rho 2	-,011619	,056000
TPH rho 3	-,026769	,059977
TPH rho 4	-,007086	,053411
TPH rho 5	-,011785	,063520
TPH rho 6	,016149	,067386
TPH rho 7	,119353	,070630
TPH rho 8	-,164556	,072835
TPH rho 9	-,044039	,079717
TPH rho 10	-,087520	,087017
TPH rho 11	,062366	,089512
TPH rho 12	-,015658	,112912
TPH rho 13	,076965	,130984
TPH rho 14	,143044	,138547
TPH rho 15	-,157727	,193384

a. Dependent Variable: Visual_Response.

```

MIXED Visual_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	Heterogeneous First-Order Autoregressive	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		17
Total		97		33

Model Dimension^a

		Subject Variables	Number of Subjects
Fixed Effects	Intercept	PP	25
	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		
Total			

a. Dependent Variable: Visual_Response.

Information Criteria^a

-2 Restricted Log Likelihood	667,526
Akaike's Information Criterion (AIC)	701,526
Hurvich and Tsai's Criterion (AICC)	703,198
Bozdogan's Criterion (CAIC)	785,687
Schwarz's Bayesian Criterion (BIC)	768,687

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	138,335	17170,423	,000
Session	1	160,858	76,252	,000
Hemisphere	1	232,633	66,738	,000
Prime	1	355,568	652,080	,000
Target	1	122,674	383,709	,000
Session * Hemisphere	1	201,567	,186	,667
Session * Prime	1	337,835	186,159	,000
Session * Target	1	143,418	,005	,944
Hemisphere * Prime	1	264,561	,068	,795
Hemisphere * Target	1	215,682	3,184	,076
Prime * Target	1	361,323	21,214	,000
Session * Hemisphere * Prime	1	297,086	,944	,332
Session * Hemisphere * Target	1	182,158	16,048	,000
Session * Prime * Target	1	345,376	3,603	,059
Hemisphere * Prime * Target	1	253,734	,164	,686
Session * Hemisphere * Prime * Target	1	293,669	,372	,542

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Repeated Measures		
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=0]	,255239	,073834
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=1]	,215943	,062641
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=0]	,295129	,084942
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=1]	,262268	,075525
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=0]	,325025	,093799
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=1]	,347425	,100825
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=0]	,219527	,063280
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=1]	,375944	,108594
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=0]	,182532	,052600
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=1]	,337774	,097205
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=0]	,290772	,084681
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=1]	,410871	,118845
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=0]	,320862	,092325
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=1]	,224956	,064825
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=0]	,471414	,136040
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=1]	,276030	,079751
ARH1 rho	-,042339	,053596

a. Dependent Variable: Visual_Response.

```
MIXED Visual_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: Visual_Response.

Information Criteria^a

-2 Restricted Log Likelihood	667,780
Akaike's Information Criterion (AIC)	701,780
Hurvich and Tsai's Criterion (AICC)	703,452
Bozdogan's Criterion (CAIC)	785,941
Schwarz's Bayesian Criterion (BIC)	768,941

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	24,229	18907,997	,000
Session	1	339,600	70,414	,000
Hemisphere	1	340,036	63,044	,000
Prime	1	340,476	640,264	,000
Target	1	339,337	410,590	,000
Session * Hemisphere	1	339,413	,174	,677
Session * Prime	1	340,134	181,229	,000
Session * Target	1	339,376	,005	,942
Hemisphere * Prime	1	339,382	,064	,800
Hemisphere * Target	1	340,046	3,297	,070
Prime * Target	1	339,251	21,027	,000
Session * Hemisphere * Prime	1	339,560	,907	,342
Session * Hemisphere * Target	1	344,641	16,796	,000
Session * Prime * Target	1	339,907	3,607	,058
Hemisphere * Prime * Target	1	339,358	,168	,682
Session * Hemisphere * Prime * Target	1	339,503	,378	,539

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Repeated Measures Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=0]	,252173	,072682
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=1]	,216262	,062909
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=0]	,298727	,086245
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=1]	,266028	,076674
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=0]	,322281	,092870
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=1]	,341843	,098567
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=0]	,219053	,063140
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=1]	,378477	,109791
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=0]	,183582	,053012
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=1]	,342781	,099049
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=0]	,285481	,082397
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=1]	,404633	,116596
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=0]	,324248	,093511
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=1]	,225322	,064981
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=0]	,474197	,137264
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=1]	,275749	,079652
CSH rho	-,010844	,015976

a. Dependent Variable: Visual_Response.

```
MIXED Visual_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	Toeplitz	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: Visual_Response.

Information Criteria^a

-2 Restricted Log Likelihood	667,986
Akaike's Information Criterion (AIC)	699,986
Hurvich and Tsai's Criterion (AICC)	701,469
Bozdogan's Criterion (CAIC)	779,197
Schwarz's Bayesian Criterion (BIC)	763,197

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	24,197	19723,466	,000
Session	1	49,324	72,224	,000
Hemisphere	1	54,819	82,689	,000
Prime	1	48,326	725,290	,000
Target	1	24,145	567,842	,000
Session * Hemisphere	1	58,294	,166	,685
Session * Prime	1	87,255	164,339	,000
Session * Target	1	49,180	,004	,950
Hemisphere * Prime	1	61,035	,072	,789
Hemisphere * Target	1	51,018	4,169	,046
Prime * Target	1	45,338	23,587	,000
Session * Hemisphere * Prime	1	76,542	,788	,377
Session * Hemisphere * Target	1	53,519	13,047	,001
Session * Prime * Target	1	72,629	2,833	,097
Hemisphere * Prime * Target	1	63,514	,189	,665
Session * Hemisphere * Prime * Target	1	95,042	,348	,556

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter		Estimate	Std. Error
Repeated Measures	TP diagonal	,301629	,022598
	TP rho 1	-,040708	,052684
	TP rho 2	-,028994	,056321
	TP rho 3	-,013968	,057878
	TP rho 4	,003761	,052366
	TP rho 5	-,019504	,061005
	TP rho 6	,003888	,065718
	TP rho 7	,134449	,069247
	TP rho 8	-,164865	,069629
	TP rho 9	-,041864	,077173
	TP rho 10	-,068094	,082227
	TP rho 11	,059374	,087693
	TP rho 12	-,022147	,104675
	TP rho 13	,083790	,114953
	TP rho 14	,131503	,131758
	TP rho 15	-,162161	,200050

a. Dependent Variable: Visual_Response.

```

MIXED Visual_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	First-Order Autoregressive	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
	Session * Hemisphere * Prime * Target	16		2
	Session * Hemisphere * Prime * Target	16		2
Total		97		18

Model Dimension^a

		Subject Variables	Number of Subjects
Fixed Effects	Intercept	PP	25
	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		
Total			

a. Dependent Variable: Visual_Response.

Information Criteria^a

-2 Restricted Log Likelihood	679,227
Akaike's Information Criterion (AIC)	683,227
Hurvich and Tsai's Criterion (AICC)	683,258
Bozdogan's Criterion (CAIC)	693,128
Schwarz's Bayesian Criterion (BIC)	691,128

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	141,538	17031,165	,000
Session	1	168,576	75,624	,000
Hemisphere	1	237,981	66,482	,000
Prime	1	377,143	651,732	,000
Target	1	128,629	387,155	,000
Session * Hemisphere	1	200,775	,185	,667
Session * Prime	1	353,761	186,099	,000
Session * Target	1	153,733	,005	,944
Hemisphere * Prime	1	278,418	,067	,795
Hemisphere * Target	1	224,505	3,198	,075
Prime * Target	1	383,166	21,211	,000
Session * Hemisphere * Prime	1	318,697	,940	,333
Session * Hemisphere * Target	1	185,365	16,119	,000
Session * Prime * Target	1	361,205	3,602	,058
Hemisphere * Prime * Target	1	270,340	,165	,685
Session * Hemisphere * Prime * Target	1	318,916	,374	,541

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Repeated Measures AR1 diagonal	,300628	,021724
AR1 rho	-,037164	,052243

a. Dependent Variable: Visual_Response.

```
MIXED Visual_Response BY Session Hemisphere Prime Target
  /CRITERIA=CIN(95) MXITER(100) MXSTEP(10) SCORING(1) SINGULAR(0.000000000000000001) 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	Compound Symmetry	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		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: Visual_Response.

Information Criteria^a

-2 Restricted Log Likelihood	679,392
Akaike's Information Criterion (AIC)	683,392
Hurvich and Tsai's Criterion (AICC)	683,423
Bozdogan's Criterion (CAIC)	693,293
Schwarz's Bayesian Criterion (BIC)	691,293

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	24,000	18793,612	,000
Session	1	360,000	70,455	,000
Hemisphere	1	360,000	63,075	,000
Prime	1	360,000	640,510	,000
Target	1	360,000	410,853	,000
Session * Hemisphere	1	360,000	,174	,677
Session * Prime	1	360,000	181,312	,000
Session * Target	1	360,000	,005	,942
Hemisphere * Prime	1	360,000	,065	,800
Hemisphere * Target	1	360,000	3,299	,070
Prime * Target	1	360,000	21,041	,000
Session * Hemisphere * Prime	1	360,000	,907	,341
Session * Hemisphere * Target	1	360,000	16,786	,000
Session * Prime * Target	1	360,000	3,609	,058
Hemisphere * Prime * Target	1	360,000	,168	,682
Session * Hemisphere * Prime * Target	1	360,000	,378	,539

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Repeated Measures CS diagonal offset	,303737	,022639
CS covariance	-,003103	,004798

a. Dependent Variable: Visual_Response.

* -----

 * .
 * Model Reduction (Switch to ML).
 * .

```

* -----
----- .

MIXED Visual_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

Model Dimension^a

		Subject Variables	Number of Subjects
Fixed Effects	Intercept	PP	25
	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		

Model Dimension^a

	Number of Levels	Covariance Structure	Number of Parameters
Total	97		33

Model Dimension^a

	Subject Variables	Number of Subjects
Total		

a. Dependent Variable: Visual_Response.

Information Criteria^a

-2 Log Likelihood	625,627
Akaike's Information Criterion (AIC)	691,627
Hurvich and Tsai's Criterion (AICC)	697,759
Bozdogan's Criterion (CAIC)	856,346
Schwarz's Bayesian Criterion (BIC)	823,346

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	25,239	19695,830	,000
Session	1	353,750	73,348	,000
Hemisphere	1	354,204	65,671	,000
Prime	1	354,663	666,942	,000
Target	1	353,476	427,698	,000
Session * Hemisphere	1	353,556	,181	,671
Session * Prime	1	354,306	188,780	,000
Session * Target	1	353,516	,005	,941
Hemisphere * Prime	1	353,523	,067	,796
Hemisphere * Target	1	354,215	3,435	,065
Prime * Target	1	353,387	21,903	,000
Session * Hemisphere * Prime	1	353,708	,945	,332
Session * Hemisphere * Target	1	359,001	17,496	,000
Session * Prime * Target	1	354,070	3,758	,053
Hemisphere * Prime * Target	1	353,498	,175	,676
Session * Hemisphere * Prime * Target	1	353,649	,394	,531

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Repeated Measures		
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=0]	,242086	,068365
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=1]	,207612	,059172
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=0]	,286778	,081123
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=1]	,255387	,072120
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=0]	,309390	,087354
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=1]	,328169	,092713
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=0]	,210290	,059390
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=1]	,363338	,103270
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=0]	,176239	,049864
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=1]	,329070	,093166
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=0]	,274062	,077503
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=1]	,388447	,109671
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=0]	,311278	,087957
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=1]	,216309	,061122
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=0]	,455229	,129111
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=1]	,264719	,074921
CSH rho	-,010844	,015654

a. Dependent Variable: Visual_Response.

```
MIXED Visual_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	Heterogeneous Compound Symmetry	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		17
Total		81		32

Model Dimension^a

		Subject Variables	Number of Subjects
Fixed Effects	Intercept	PP	25
	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		
Total			

a. Dependent Variable: Visual_Response.

Information Criteria^a

-2 Log Likelihood	626,021
Akaike's Information Criterion (AIC)	690,021
Hurvich and Tsai's Criterion (AICC)	695,776
Bozdogan's Criterion (CAIC)	849,748
Schwarz's Bayesian Criterion (BIC)	817,748

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	25,173	19722,040	,000
Session	1	353,212	73,458	,000
Hemisphere	1	354,188	66,425	,000
Prime	1	356,392	692,048	,000
Target	1	353,484	426,882	,000
Session * Hemisphere	1	353,447	,181	,670
Session * Prime	1	354,479	190,633	,000
Session * Target	1	351,328	,003	,954
Hemisphere * Prime	1	354,653	,059	,809
Hemisphere * Target	1	354,282	3,287	,071
Prime * Target	1	352,791	21,721	,000
Session * Hemisphere * Prime	1	353,320	,921	,338
Session * Hemisphere * Target	1	359,766	18,029	,000
Session * Prime * Target	1	354,753	3,929	,048
Hemisphere * Prime * Target	1	354,895	,200	,655

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Repeated Measures		
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=0]	,242282	,068473
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=1]	,207778	,059262
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=0]	,287064	,081278
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=1]	,255593	,072236
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=0]	,309704	,087527
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=1]	,328535	,092912
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=0]	,210438	,059472
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=1]	,363816	,103526
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=0]	,176349	,049923
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=1]	,329452	,093372
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=0]	,274323	,077644
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=1]	,388945	,109942
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=0]	,311610	,088137
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=1]	,216468	,061209
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=0]	,455962	,129501
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=1]	,264967	,075055
CSH rho	-,010902	,015639

a. Dependent Variable: Visual_Response.

```
MIXED Visual_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	Heterogeneous Compound Symmetry	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		17
Total		73		31

Model Dimension^a

		Subject Variables	Number of Subjects
Fixed Effects	Intercept	PP	25
	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		
Total			

a. Dependent Variable: Visual_Response.

Information Criteria^a

-2 Log Likelihood	626,221
Akaike's Information Criterion (AIC)	688,221
Hurvich and Tsai's Criterion (AICC)	693,612
Bozdogan's Criterion (CAIC)	842,956
Schwarz's Bayesian Criterion (BIC)	811,956

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	25,144	19725,860	,000
Session	1	356,007	73,874	,000
Hemisphere	1	354,194	66,421	,000
Prime	1	355,621	692,865	,000
Target	1	351,595	426,506	,000
Session * Hemisphere	1	353,601	,205	,651
Session * Prime	1	355,509	193,981	,000
Session * Target	1	351,635	,001	,969
Hemisphere * Prime	1	354,604	,054	,816
Hemisphere * Target	1	354,435	3,437	,065
Prime * Target	1	354,357	21,530	,000
Session * Hemisphere * Prime	1	354,795	,897	,344
Session * Hemisphere * Target	1	359,235	17,847	,000
Session * Prime * Target	1	354,949	3,991	,047

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Repeated Measures Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=0]	,242690	,068688
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=1]	,208089	,059427
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=0]	,287638	,081577
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=1]	,256043	,072473
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=0]	,310366	,087870
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=1]	,329288	,093298
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=0]	,210747	,059636
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=1]	,364755	,104004
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=0]	,176256	,049872
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=1]	,329121	,093190
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=0]	,274100	,077520
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=1]	,388481	,109690
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=0]	,311311	,087973
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=1]	,216328	,061131
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=0]	,455334	,129159
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=1]	,264755	,074937
CSH rho	-,010926	,015633

a. Dependent Variable: Visual_Response.

```
MIXED Visual_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	Heterogeneous Compound Symmetry	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
	Session * Hemisphere * Prime * Target	16		17
Repeated Effects	Session * Hemisphere * Prime * Target	16		17
Total		65		30

Model Dimension^a

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

a. Dependent Variable: Visual_Response.

Information Criteria^a

-2 Log Likelihood	627,114
Akaike's Information Criterion (AIC)	687,114
Hurvich and Tsai's Criterion (AICC)	692,155
Bozdogan's Criterion (CAIC)	836,858
Schwarz's Bayesian Criterion (BIC)	806,858

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	25,144	19780,287	,000
Session	1	353,846	73,279	,000
Hemisphere	1	354,488	65,491	,000
Prime	1	355,311	693,315	,000
Target	1	354,289	427,799	,000
Session * Hemisphere	1	353,675	,281	,596
Session * Prime	1	355,510	192,604	,000
Session * Target	1	350,993	,003	,956
Hemisphere * Prime	1	355,946	,075	,784
Hemisphere * Target	1	353,924	3,648	,057
Prime * Target	1	355,200	20,603	,000
Session * Hemisphere * Target	1	358,959	17,815	,000
Session * Prime * Target	1	355,711	3,742	,054

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Repeated Measures		
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=0]	,242075	,068359
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=1]	,209192	,060002
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=0]	,286806	,081133
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=1]	,257553	,073265
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=0]	,309358	,087340
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=1]	,331901	,094606
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=0]	,210284	,059386
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=1]	,368091	,105645
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=0]	,176407	,049949
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=1]	,330362	,093813
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=0]	,274438	,077692
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=1]	,390130	,110508
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=0]	,311724	,088183
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=1]	,216851	,061404
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=0]	,456304	,129620
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=1]	,265550	,075346
CSH rho	-,011090	,015590

a. Dependent Variable: Visual_Response.

```
*-----  
*-----  
* .  
* Final Model (Switch to REML).  
* .  
*-----  
*-----  
  
MIXED Visual_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=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	Heterogeneous Compound Symmetry	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		17
Total		65		30

Model Dimension^a

		Subject Variables	Number of Subjects
Fixed Effects	Intercept	PP	25
	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		
Total			

a. Dependent Variable: Visual_Response.

Information Criteria^a

-2 Restricted Log Likelihood	667,033
Akaike's Information Criterion (AIC)	701,033
Hurvich and Tsai's Criterion (AICC)	702,692
Bozdogan's Criterion (CAIC)	785,326
Schwarz's Bayesian Criterion (BIC)	768,326

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

a. Dependent Variable: Visual_Response.

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	24,132	18995,535	,000
Session	1	343,185	70,955	,000
Hemisphere	1	343,756	63,420	,000
Prime	1	344,281	671,031	,000
Target	1	343,559	414,250	,000
Session * Hemisphere	1	342,950	,272	,603
Session * Prime	1	344,428	186,437	,000
Session * Target	1	340,544	,003	,956
Hemisphere * Prime	1	345,203	,073	,788
Hemisphere * Target	1	343,152	3,531	,061
Prime * Target	1	344,165	19,956	,000
Session * Hemisphere * Target	1	347,960	17,249	,000
Session * Prime * Target	1	344,887	3,624	,058

a. Dependent Variable: Visual_Response.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Repeated Measures		
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=0]	,250450	,071735
Var: [Session=1]* [Hemisphere=0]*[Prime=0]* [Target=1]	,216532	,063039
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=0]	,296267	,084910
Var: [Session=1]* [Hemisphere=0]*[Prime=1]* [Target=1]	,266580	,076924
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=0]	,319501	,091357
Var: [Session=1]* [Hemisphere=1]*[Prime=0]* [Target=1]	,342688	,098912
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=0]	,217746	,062419
Var: [Session=1]* [Hemisphere=1]*[Prime=1]* [Target=1]	,379433	,110157
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=0]	,182880	,052620
Var: [Session=3]* [Hemisphere=0]*[Prime=0]* [Target=1]	,341069	,098085
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=0]	,283801	,081468
Var: [Session=3]* [Hemisphere=0]*[Prime=1]* [Target=1]	,402383	,115315
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=0]	,322090	,092326
Var: [Session=3]* [Hemisphere=1]*[Prime=0]* [Target=1]	,224601	,064571
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=0]	,469530	,134746
Var: [Session=3]* [Hemisphere=1]*[Prime=1]* [Target=1]	,274633	,079023
CSH rho	-,010639	,016026

a. Dependent Variable: Visual_Response.