

A.1 TABLES FOR CHAPTER 4

Table 4.1: Mean and standard deviation of hits and false alarms in each experimental condition in Experiment 1 [N=18]

	Hits				False Alarms			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	.762	.125	.759	.121	.068	.069	.051	.050
Random Location	.577	.104	.588	.098	.218	.094	.198	.154
Average	.669	.114	.673	.109	.143	.081	.124	.102

Table 4.2: Mean and standard deviation of d primes and betas in each experimental condition in Experiment 1 [N=18]

	<i>d'</i>				Beta			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	2.568	.962	2.815	1.009	68.329	195.373	180.784	350.589
Random Location	1.021	.357	1.158	.511	1.439	.403	1.7401	.645
Average	1.794	0.660	1.986	.760	34.884	97.888	91.2624	175.617

Table 4.3: Repeated measures ANOVA of d primes for modes of presentation and locations in Experiment 1 [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial</i> η^2
Presentation Mode[A]	1	.664	1.089	.311	.060
Error[A]	17	.609			
Location [B]	1	46.199	82.592	.000	.829
Error [B]	17	.559			
A×B	1	.055	.140	.713	.008
Error [A×B]	17	.394			

Table 4.4: Bayesian repeated measures ANOVA of dprimes for modes of presentation and locations in Experiment 1 [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	2.491×10^{-12}	9.962×10^{-12}	1	
Presentation Mode[A]	.020	7.456×10^{-13}	2.983×10^{-12}	.299	.684
Location[B]	.020	.635	6.957	2.549×10^{11}	2.579
A + B	.020	.279	1.546	1.119×10^{11}	5.084
A + B + [A × B]	.020	.086	.378	3.464×10^{10}	1.734

Table 4.5: Repeated measures ANOVA of betas for modes of presentation and locations in Experiment 1 [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial</i> η^2
Presentation Mode[A]	1	57212	1.236	.282	.068
Error[A]	17	46304			
Location [B]	1	272179	7.944	.012	.318
Error [B]	17	34261			
A×B	1	56603	1.224	.284	.067
Error [A×B]	17	46248			

Table 4.6: Repeated measures ANOVA of dprimes for locations and selected swaps in sequential presentation in Experiment 1 [N=18]

Source	df	MS	F	p	partial η^2
Location[A]	1	185.717	60.407	.000	.780
Error[A]	17	3.074			
swaps [B]	3	1.429	1.108	.355	.061
Error [B]	51	1.290			
A×B	3	0.873	.848	.474	.047
Error [A×B]	51	1.029			

Table 4.7: Bayesian repeated measures ANOVA of d primes for locations and selected swaps in sequential presentation in Experiment 1 [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	1.275×10^{-19}	5.098×10^{-19}	1	
Location[A]	.020	.881	29.497	6.909×10^{18}	1.416
Swaps[B]	.020	8.462×10^{-21}	3.385×10^{-20}	.066	.553
A + B	.020	.104	.466	8.190×10^{17}	1.569
A + B + [A × B]	.020	.015	.061	1.179×10^{17}	1.588

Table 4.8: Mean and standard deviation of hits and false alarms in each experimental condition in Experiment 2 [N=18]

	Hits				False Alarms			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	.598	.131	.721	.151	.122	.129	.046	.061
Random Location	.571	.091	.604	.099	.209	.174	.176	.113
Average	.584	.111	.662	.125	.165	.216	.134	.087

Table 4.9: Mean and standard deviation of d primes and betas in each experimental condition in Experiment 2 [N=18]

	<i>d'</i>				Beta			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	1.896	1.021	2.824	.941	161.206	365.131	193.586	369.461
Random Location	1.164	.545	1.300	.517	2.435	1.891	1.989	1.089
Average	1.530	0.783	2.062	.729	81.820	183.511	97.787	185.275

Table 4.10: Repeated measures ANOVA of d primes for modes of presentation and locations in Experiment 2 [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial η²</i>
Presentation Mode[A]	1	5.099	15.609	.001	.479
Error[A]	17	.327			
Location [B]	1	22.906	34.587	.000	.670
Error [B]	17	.662			
A×B	1	2.822	10.370	.005	.379
Error [A×B]	17	.272			

Table 4.11: Bayesian repeated measures ANOVA of d primes for modes of presentation and locations in Experiment 2 [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	1.312×10 ⁻⁸	5.249×10 ⁻⁸	1	
Presentation Mode[A]	.020	4.259×10 ⁻⁸	1.704×10 ⁻⁷	3.245	1.088
Location[B]	.020	.009	.037	6.936×10 ⁵	1.900
A + B	.020	.184	.904	1.404×10 ⁷	1.430
A + B + [A × B]	.020	.807	16.685	6.147×10 ⁷	4.871

Table 4.12: Repeated measures ANOVA of betas for modes of presentation and locations in Experiment 2 [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial</i> η^2
Presentation Mode[A]	1	4589	.113	.741	.007
Error[A]	17	40612			
Location [B]	1	552407	5.886	.027	.257
Error [B]	17	93852			
A×B	1	4849	.119	.734	.007
Error [A×B]	17	40784			

Table 4.13: Repeated measures ANOVA of dprimes for locations and selected swaps in sequential presentation in Experiment 2 [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial</i> η^2
Location[A]	1	21.378	8.323	.010	.329
Error[A]	17	2.568			
Swaps [B]	<u>1.875</u>	22.568	5.188	.013	.234
Error [B]	<u>31.877</u>	4.350			
A×B	3	1.795	1.760	.166	.094
Error [A×B]	51	1.020			

[Underlined *df* indicates value after applying Greenhouse Geisser correction]

Table 4.14: Bayesian repeated measures ANOVA of d primes for locations and selected swaps in sequential presentation in Experiment 2 [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	3.388×10^{-4}	.001	1	
Location[A]	.020	.005	.019	13.836	1.690
Swaps[B]	.020	.032	.132	94.137	.439
A + B	.020	.806	16.631	2.379×10^3	1.071
A + B + [A × B]	.020	.157	.745	463.353	1.890

Table 4.15: Mixed ANOVA for comparison of Experiment 1 [N=18] and Experiment 2 [N=18] with modes of presentation and locations as repeated measures

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial</i> η^2
Between Participants					
Experiment [A]	1	.322	.281	.600	.008
Error[A]	34	1.146			
Within Participants					
Presentation Mode[B]	1	4.721	10.087	.003	.229
AxB	1	1.041	2.225	.145	.061
Error[B]	34	.468			
Location [C]	1	67.083	109.826	.000	.764
AxC	1	2.022	3.311	.078	.089
Error [C]	34	.611			
BxC	1	1.832	5.502	.025	.139
AxBxC	1	1.045	3.136	.086	.084
Error [AxB]	34	.333			

Table 4.16: Bayesian mixed ANOVA for comparison of Experiment 1 [N=18] and Experiment 2 [N=18] with modes of presentation and locations as repeated measures

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error %
Null Model [Incl. Participants]	.053	4.953×10 ⁻²⁰	8.915×10 ⁻¹⁹	1	
Presentation Mode [A]	.053	7.148×10 ⁻²⁰	1.287×10 ⁻¹⁸	1.443	0.894
Location [B]	.053	0.016	0.292	3.226×10 ⁺¹⁷	1.603
A + B	.053	0.206	4.657	4.150×10 ⁺¹⁸	6.462
A + B + [A × B]	.053	0.22	5.091	4.451×10 ⁺¹⁸	1.796
Experiment [C]	.053	1.226×10 ⁻²⁰	2.207×10 ⁻¹⁹	0.248	2.528
A + C	.053	1.745×10 ⁻²⁰	3.141×10 ⁻¹⁹	0.352	1.919
B + C	.053	0.005	0.082	9.157×10 ⁺¹⁶	1.581
A + B + C	.053	0.056	1.075	1.138×10 ⁺¹⁸	3.994
A + B + [A × B] + C	.053	0.076	1.484	1.538×10 ⁺¹⁸	10.692
A + C + [A × C]	.053	6.563×10 ⁻²¹	1.181×10 ⁻¹⁹	0.132	2.546
A + B + C + [A × C]	.053	0.033	0.607	6.587×10 ⁺¹⁷	4.327
A + B + [A × B] + C + [A × C]	.053	0.04	0.747	8.042×10 ⁺¹⁷	3.087
B + C + [B × C]	.053	0.008	0.141	1.567×10 ⁺¹⁷	24.561
A + B + C + [B × C]	.053	0.081	1.597	1.645×10 ⁺¹⁸	4.151
A + B + [A × B] + C + [B × C]	.053	0.1	2.004	2.023×10 ⁺¹⁸	2.852
A + B + C + [A × C] + [B × C]	.053	0.047	0.891	9.524×10 ⁺¹⁷	2.544
A + B + [A × B] + C + [A × C] + [B × C]	.053	0.059	1.134	1.197×10 ⁺¹⁸	3.233
A + B + [A × B] + C + [A × C] + [B × C] + [A × B × C]	.053	0.053	0.999	1.062×10 ⁺¹⁸	6.146

A.2 TABLES FOR CHAPTER 5

Table 5.1: Mean and standard deviation of hits and false alarms in each experimental condition in Experiment 3 [N=18]

	Hits				False Alarms			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	.598	.101	.706	.140	.154	.143	.077	.102
Random Location	.615	.123	.600	.116	.199	.145	.288	.132
Average	.606	.111	.653	.128	.176	.144	.182	.117

Table 5.2: Mean and standard deviation of d primes and betas in each experimental condition in Experiment 3 [N=18]

	d'				Beta			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	1.450	.501	2.466	.966	2.882	2.151	160.227	361.518
Random Location	1.257	.501	.875	.319	1.803	.953	1.323	.696
Average	1.354	.501	1.670	.643	2.342	1.52	80.775	181.107

Table 5.3: Repeated measures ANOVA of d primes for modes of presentation and locations in Experiment 3 [N=18]

Source	df	MS	F	p	$partial \eta^2$
Presentation Mode[A]	1	1.806	7.459	.014	.305
Error[A]	17	.242			
Location [B]	1	14.333	60.598	.000	.781
Error [B]	17	.237			
A×B	1	8.792	23.061	.000	.576
Error [A×B]	17	.381			

Table 5.4: Bayesian repeated measures ANOVA of dprimes for modes of presentation and locations in Experiment 3 [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	1.027×10 ⁻⁹	4.109×10 ⁻⁹	1	
Presentation Mode[A]	.020	8.377×10 ⁻¹⁰	3.351×10 ⁻⁹	.815	1.426
Location[B]	.020	4.094×10 ⁻⁵	1.638×10 ⁻⁴	3.984×10 ⁴	3.789
A + B	.020	5.680×10 ⁻⁵	2.272×10 ⁻⁴	5.529×10 ⁴	1.300
A + B + [A × B]	.020	1	4.092×10 ⁴	9.733×10 ⁸	2.454

Table 5.5: Repeated measures ANOVA of betas for modes of presentation and locations in Experiment 3 [N=18]

Source	df	MS	F	P	partial η ²
Presentation Mode[A]	1	110730	3.386	.083	.166
Error[A]	17	32705			
Location [B]	1	115176	3.526	.078	.172
Error [B]	17	32661			
A×B	1	112091	3.43	.081	.168
Error [A×B]	17	32683			

Table 5.6: Repeated measures ANOVA of dprimes for locations and selected swaps in sequential presentation in Experiment 3 [N=18]

Source	df	MS	F	P	partial η ²
Location[A]	1	.009	.007	.937	.000
Error[A]	17	1.412			
Swaps [B]	<u>2.131</u>	32.950	10.138	.001	.374
Error [B]	<u>36.234</u>	3.181			
A×B	3	1.939	1.932	.136	.102
Error [A×B]	51	1.004			

[Underlined df indicates value after applying Greenhouse Geisser correction]

Table 5.7: Bayesian repeated measures ANOVA of d primes for locations and selected swaps in sequential presentation in Experiment 3 [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	1.835×10^{-6}	7.341×10^{-6}	1	
Location[A]	.020	3.249×10^{-7}	1.3×10^{-6}	.177	1.067
Swaps[B]	.020	.817	17.910	$4,453 \times 10^5$.613
A + B	.020	.143	.668	7.798×10^4	1.095
A + B + [A× B]	.020	.039	.164	2.148×10^4	3.653

Table 5.8: Mixed ANOVA for comparison of Experiment 2 [N=18] and Experiment 3 [N=18] with modes of presentation and locations as repeated measures

Source	df	MS	F	p	partial η^2
Between Participants					
Experiment [A]	1	2.897	2.695	.110	.073
Error	34	1.075			
Within Participants					
Presentation Mode[B]	1	6.486	22.810	.000	.402
A×B	1	.418	1.470	.234	.041
Error[B]	34	.284			
Location [C]	1	36.739	81.752	.000	.706
A×C	1	.500	1.113	.299	.032
Error [C]	34	.449			
B×C	1	10.788	33.022	.000	.493
A×B×C	1	.826	2.529	.121	.069
Error [A×B]	34	.327			

Table 5.9: Bayesian Mixed ANOVA for comparison of Experiment 2 [N=18] and Experiment 3 [N=18] with modes of presentation and locations as repeated measures

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error %
Null Model [Incl. Participants]	.053	6.678×10 ⁻¹⁹	1.202×10 ⁻¹⁷	1	
Presentation Mode [A]	.053	6.215×10 ⁻¹⁸	1.119×10 ⁻¹⁶	9.307	7.154
Location [B]	.053	8.891×10 ⁻⁸	1.600×10 ⁻⁶	1.331×10 ⁺¹¹	0.775
A + B	.053	8.535×10 ⁻⁶	1.536×10 ⁻⁴	1.278×10 ⁺¹³	1.99
A + B + [A × B]	.053	0.362	10.202	5.417×10 ⁺¹⁷	2.724
Experiment [C]	.053	3.626×10 ⁻¹⁹	6.527×10 ⁻¹⁸	0.543	0.798
A + C	.053	3.233×10 ⁻¹⁸	5.819×10 ⁻¹⁷	4.841	1.065
B + C	.053	6.524×10 ⁻⁸	1.174×10 ⁻⁶	9.769×10 ⁺¹⁰	1.869
A + B + C	.053	6.339×10 ⁻⁶	1.141×10 ⁻⁴	9.492×10 ⁺¹²	1.796
A + B + [A × B] + C	.053	0.302	7.785	4.521e +17	2.618
A + C + [A × C]	.053	9.956×10 ⁻¹⁹	1.792×10 ⁻¹⁷	1.491	1.812
A + B + C + [A × C]	.053	2.271×10 ⁻⁶	4.087×10 ⁻⁵	3.401×10 ⁺¹²	2.505
A + B + [A × B] + C + [A × C]	.053	0.126	2.595	1.887e +17	7.3
B + C + [B × C]	.053	2.428×10 ⁻⁸	4.370×10 ⁻⁷	3.635×10 ⁺¹⁰	4.367
A + B + C + [B × C]	.053	2.844×10 ⁻⁶	5.119×10 ⁻⁵	4.259×10 ⁺¹²	9.013
A + B + [A × B] + C + [B × C]	.053	0.125	2.571	1.871×10 ⁺¹⁷	3.629
A + B + C + [A × C] + [B × C]	.053	9.640×10 ⁻⁷	1.735×10 ⁻⁵	1.444×10 ⁺¹²	4.187
A + B + [A × B] + C + [A × C] + [B × C]	.053	0.048	0.906	7.173×10 ⁺¹⁶	3.637
A + B + [A × B] + C + [A × C] + [B × C] + [A × B × C]	.053	0.037	0.7	5.608×10 ⁺¹⁶	3.479

Table 5.10: Mean and standard deviation of hits and false alarms in each experimental condition in Experiment 4 [N=18]

	Hits				False Alarms			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	.582	.157	.772	.107	.199	.190	.090	.106
Random Location	.610	.151	.647	.139	.241	.165	.255	.172
Average	.596	.154	.709	.123	.220	.177	.172	.139

Table 5.11: Mean and standard deviation of d primes and betas in each experimental condition in Experiment 4 [N=18]

	<i>d'</i>				Beta			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	1.456	1.161	2.382	0.749	105.657	302.256	40.390	159.508
Random Location	1.215	.932	1.153	0.543	41.647	170.334	1.465	.909
Average	1.336	1.047	1.768	0.646	73.652	236.295	20.928	80.209

Table 5.12: Repeated measures ANOVA of d primes for modes of presentation and locations in Experiment 4 [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial η²</i>
Presentation Mode[A]	1	3.359	3.096	.096	.154
Error[A]	17	1.085			
Location [B]	1	9.715	31.006	.000	.646
Error [B]	17	.313			
A×B	1	4.396	11.826	.003	.410
Error [A×B]	17	.372			

Table 5.13: Bayesian repeated measures ANOVA of dprimes for modes of presentation and locations in Experiment 4 [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participant]	.020	8.186×10 ⁻⁹	.003	1	
Presentation Mode[A]	.020	.001	.005	1.470	1.085
Location[B]	.020	.059	.252	72.278	.844
A +B	.020	.133	.612	162.148	1.89
A + B +[A × B]	.020	.806	16.626	984.679	2.574

Table 5.14: Repeated measures ANOVA of betas for modes of presentation and locations in Experiment 4 [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P</i>	<i>partial</i> η^2
Presentation Mode[A]	1	50038	1.354	.261	.074
Error[A]	17	36957			
Location [B]	1	47680	1.279	.274	.070
Error [B]	17	37288			
A×B	1	2832	.071	.793	.004
Error [A×B]	17	39879			

Table 5.15: Repeated measures ANOVA of dprimes for locations and selected swaps in sequential presentation in Experiment 4 [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial</i> η^2
Location[A]	1	1.374	.497	.490	.043
Error[A]	17	2.764			
Swaps [B]	3	8.228	4.453	.007	.169
Error [B]	51	1.848			
A×B	<u>1.923</u>	.954	.580	.567	.041
Error [A×B]	<u>56.356</u>	1.645			

[Underlined *df* indicates value after applying Greenhouse Geisser correction]

Table 5.16: Bayesian repeated measures ANOVA of d primes for locations and selected swaps in sequential presentation in Experiment 4 [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	.064	.271	1	
Location[A]	.020	.016	.065	.252	.771
Swaps[B]	.020	.715	10.043	10.953	1.666
A + B	.020	.184	.904	2.901	1.064
A + B + [A × B]	.020	.021	.086	.330	2.029

Table 5.17: Mixed ANOVA for comparison of Experiment 2 [N=18] and Experiment 4 [N=18] with modes of presentation and locations as repeated measures

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P</i>	<i>partial η²</i>
Between Participants					
Experiment [A]	1	2.145	1.496	.230	.042
Error[A]	34	1.434			
Within Participants					
Presentation Mode[B]	1	8.367	11.854	.002	.259
A×B	1	.090	.128	.723	.004
Error[B]	34	.706			
Location [C]	1	31.228	64.018	.000	.653
A×C	1	1.393	2.856	.100	.077
Error [C]	34	.488			
B×C	1	7.131	22.151	.000	.394
A×B×C	1	.087	.270	.607	.008
Error [A×B]	34	.322			

Table 5.18: Bayesian mixed ANOVA for comparison of Experiment 2 [N=18] and Experiment 4 [N=18] with modes of presentation and locations as repeated measures

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error %
Null Model [Incl. Participants]	.053	6.288×10^{-13}	1.132×10^{-11}	1	
Presentation Mode [A]	.053	1.126×10^{-11}	2.027×10^{-10}	17.912	3.802
Location [B]	.053	4.552×10^{-5}	8.194×10^{-4}	$7.239 \times 10^{+7}$	4.274
A + B	.053	0.005	0.093	$8.204 \times 10^{+9}$	2.48
A + B + [A × B]	.053	0.447	14.562	$7.112 \times 10^{+11}$	1.677
Experiment [C]	.053	3.216×10^{-13}	5.789×10^{-12}	0.511	21.973
A + C	.053	4.535×10^{-12}	8.163×10^{-11}	7.212	2.216
B + C	.053	1.996×10^{-5}	3.593×10^{-4}	$3.175 \times 10^{+7}$	1.868
A + B + C	.053	0.002	0.044	$3.910 \times 10^{+9}$	1.97
A + B + [A × B] + C	.053	0.234	5.49	$3.717 \times 10^{+11}$	3.227
A + C + [A × C]	.053	1.160×10^{-12}	2.087×10^{-11}	1.844	2.604
A + B + C + [A × C]	.053	6.816×10^{-4}	0.012	$1.084 \times 10^{+9}$	4.596
A + B + [A × B] + C + [A × C]	.053	0.063	1.209	$1.001 \times 10^{+11}$	4.685
B + C + [B × C]	.053	1.345×10^{-5}	2.422×10^{-4}	$2.140 \times 10^{+7}$	6.787
A + B + C + [B × C]	.053	0.003	0.052	$4.543 \times 10^{+9}$	36.022
A + B + [A × B] + C + [B × C]	.053	0.181	3.988	$2.884 \times 10^{+11}$	2.173
A + B + C + [A × C] + [B × C]	.053	4.736×10^{-4}	0.009	$7.531 \times 10^{+8}$	6.499
A + B + [A × B] + C + [A × C] + [B × C]	.053	0.047	0.884	$7.445 \times 10^{+10}$	3.096
A + B + [A × B] + C + [A × C] + [B × C] + [A × B × C]	.053	0.016	0.298	$2.587 \times 10^{+10}$	3.405

Table 5.19: Mean and standard deviation of hits and false alarms in each experimental condition in Experiment 5 [N=18]

	Hits				False Alarms			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	.632	.089	.716	.101	.104	.079	.056	.058
Random Location	.627	.101	.650	.112	.213	.112	.234	.100
Average	.629	.095	.683	.106	.158	.095	.145	.079

Table 5.20: Mean and standard deviation of d primes and betas in each experimental condition in Experiment 5 [N=18]

	d'				Beta			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	1.913	.774	2.556	.923	114.062	323.645	137.460	309.346
Random Location	1.198	.463	1.189	.520	1.556	.696	1.352	.642
Average	1.556	.618	1.873	.722	57.809	162.170	69.406	154.994

Table 5.21: Repeated measures ANOVA of d primes for modes of presentation and locations in Experiment 5 [N=18]

Source	df	MS	F	p	$partial \eta^2$
Presentation Mode[A]	1	1.809	6.949	.017	.290
Error[A]	17	.260			
Location [B]	1	19.505	43.690	.000	.720
Error [B]	17	.446			
AxB	1	1.917	5.468	.032	.243
Error [AxB]	17	.351			

Table 5.22: Bayesian repeated measures ANOVA of d primes for modes of presentation and locations in Experiment 5 [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participant]	.020	3.035×10^{-8}	1.214×10^{-7}	1	
Presentation Mode[A]	.020	2.262×10^{-8}	9.048×10^{-8}	.745	.895
Location[B]	.020	.130	.596	4.272×10^6	1.385
A + B	.020	.238	1.247	7.832×10^6	1.700
A + B + [A × B]	.020	.633	6.888	2.084×10^7	2.632

Table 5.23: Repeated measures ANOVA of betas for modes of presentation and locations in Experiment 5 [N=18]

Source	df	MS	F	p	partial η^2
Presentation Mode[A]	1	2421	.076	.786	.004
Error[A]	17	31715			
Location [B]	1	278140	4.073	.060	.193
Error [B]	17	68282			
A×B	1	2507	.079	.782	.005
Error [A×B]	17	31703			

Table 5.24: Repeated measures ANOVA of d primes for locations and selected swaps in sequential presentation in Experiment 5 [N=18]

Source	df	MS	F	p	partial η^2
Location[A]	1	32.186	14.124	.002	.454
Error[A]	17	2.279			
Swaps [B]	3	6.234	2.251	.094	.117
Error [B]	51	2.769			
A×B	3	.651	.513	.675	.029
Error [A×B]	51	1.271			

Table 5.25: Bayesian repeated measures ANOVA of d primes for locations and selected swaps in sequential presentation in Experiment 5 [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	.002	.006	1	
Location[A]	.020	.352	2.175	227.101	2.131
Swaps[B]	.020	.002	.007	1.138	.820
A + B	.020	.581	5.542	374.475	1.339
A + B + [A × B]	.020	.064	.272	41.023	2.086

Table 5.26: Mixed ANOVA for comparison of Experiment 2 [N=18] and Experiment 5 [N=18] with modes of presentation and locations as repeated measures

Source	df	MS	F	p	partial η^2
Between Participants					
Experiment [A]	1	.239	.201	.657	.006
Error	34	1.188			
Within Participants					
Presentation Mode[B]	1	6.490	22.117	.000	.394
A×B	1	.417	1.421	.242	.040
Error[B]	34	.293			
Location [C]	1	42.343	76.382	.000	.692
A×C	1	.068	.123	.728	.004
Error [C]	34	.554			
B×C	1	4.695	15.081	.000	.307
A×B×C	1	.044	.140	.710	.004
Error [A×B]	34	.311			

Table 5.27: Bayesian mixed ANOVA for comparison of Experiment 2 [N=18] and Experiment 5 [N=18] with modes of presentation and locations as repeated measures

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error %
Null Model [Incl. Participants]	.053	2.678×10^{-20}	4.820×10^{-19}	1	
Presentation Mode [A]	.053	1.517×10^{-20}	2.731×10^{-19}	0.567	2.329
Location [B]	.053	0.068	1.322	2.555×10^{18}	1.834
A + B	.053	0.122	2.506	4.564×10^{18}	2.744
A + B + [A × B]	.053	0.098	1.948	3.648×10^{18}	1.550
Experiment [C]	.053	8.249×10^{-21}	1.485×10^{-19}	0.308	1.450
A + C	.053	4.438×10^{-21}	7.989×10^{-20}	0.166	1.230
B + C	.053	0.026	.480	9.698×10^{17}	1.458
A + B + C	.053	0.047	.887	1.754×10^{18}	3.200
A + B + [A × B] + C	.053	0.04	.753	1.499×10^{18}	3.361
A + C + [A × C]	.053	1.203×10^{-21}	2.166×10^{-20}	0.045	3.017
A + B + C + [A × C]	.053	0.013	.230	4.717×10^{17}	2.307
A + B + [A × B] + C + [A × C]	.053	0.011	.198	4.068×10^{17}	3.063
B + C + [B × C]	.053	0.095	1.900	3.565×10^{18}	3.503
A + B + C + [B × C]	.053	0.186	4.104	6.933×10^{18}	2.254
A + B + [A × B] + C + [B × C]	.053	0.165	3.548	6.149×10^{18}	4.096
A + B + C + [A × C] + [B × C]	.053	0.051	0.969	1.907×10^{18}	4.155
A + B + [A × B] + C + [A × C] + [B × C]	.053	0.047	0.879	1.738×10^{18}	6.583
A + B + [A × B] + C + [A × C] + [B × C] + [A × B × C]	.053	0.032	0.589	1.183×10^{18}	5.975

Table 5.28: Mixed ANOVA for comparison of Experiments 2, 3, 4, and Experiment 5 [N=18 in each experiment] with modes of presentation and locations as repeated measures

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial η²</i>
Between Participants					
Experiment [A]	3	1.294	1.117	0.348	0.047
Error	68	1.158			
Within Participants					
Presentation Mode[B]	1	11.49	24.012	< .001	0.261
A×B	3	0.194	0.405	0.75	0.018
Error[B]	68	0.479			
Location [C]	1	64.845	156.388	< .001	0.697
A×C	3	0.538	1.298	0.282	0.054
Error [C]	68	0.415			
B×C	1	16.509	48.003	< .001	0.414
A×B×C	3	0.473	1.375	0.258	0.057
Error [A×B]	68	0.344			

Table 5.29: Bayesian mixed ANOVA for comparison of Experiments 2, 3, 4, and Experiment 5 [N=18 in each experiment] with modes of presentation and locations as repeated measures

	P[M]	P[M data]	BF _M	BF ₁₀	Error %
Null Model [Incl. Participants]	.053	2.103×10^{-31}	3.785×10^{-30}	1	
Presentation Mode [A]	.053	3.418×10^{-29}	6.152×10^{-28}	162.518	2.329
Location [B]	.053	1.852×10^{-11}	3.334×10^{-10}	8.807×10^{19}	1.834
A + B	.053	1.231×10^{-7}	2.216×10^{-6}	5.854×10^{23}	2.744
A + B + [A × B]	.053	0.817	80.266	3.884×10^{30}	1.55
Experiment [C]	.053	2.013×10^{-32}	3.623×10^{-31}	0.096	1.45
A + C	.053	3.330×10^{-30}	5.994×10^{-29}	15.835	1.23
B + C	.053	2.809×10^{-12}	5.057×10^{-11}	1.336×10^{19}	1.458
A + B + C	.053	1.935×10^{-8}	3.483×10^{-7}	9.202×10^{22}	3.2
A + B + [A × B] + C	.053	0.148	3.125	7.034×10^{29}	3.361
A + C + [A × C]	.053	1.676×10^{-31}	3.018×10^{-30}	0.797	3.017
A + B + C + [A × C]	.053	1.121×10^{-9}	2.018×10^{-8}	5.330×10^{21}	2.307
A + B + [A × B] + C + [A × C]	.053	0.009	0.168	4.405×10^{28}	3.063
B + C + [B × C]	.053	3.118×10^{-13}	5.613×10^{-12}	1.483×10^{18}	3.503
A + B + C + [B × C]	.053	2.484×10^{-9}	4.471×10^{-8}	1.181×10^{22}	2.254
A + B + [A × B] + C + [B × C]	.053	0.024	0.442	1.140×10^{29}	4.096
A + B + C + [A × C] + [B × C]	.053	1.481×10^{-10}	2.666×10^{-9}	7.044×10^{20}	4.155
A + B + [A × B] + C + [A × C] + [B × C]	.053	0.002	0.028	7.338×10^{27}	6.583
A + B + [A × B] + C + [A × C] + [B × C] + [A × B × C]	.053	4.208×10^{-4}	0.008	2.026×10^{27}	5.975

A.3 TABLES FOR CHAPTER 6

Table 6.7: Mean and standard deviation of hits and false alarms in each experimental condition for behavioral responses in the fMRI experiment [N=18]

	Hits				False alarms			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	.453	.117	.479	.138	.213	.232	.280	.285
Random Location	.407	.142	.444	.174	.275	.248	.326	.279
Average	.430	.129	.461	.156	.244	.240	.303	.282

Table 6.8: Mean and standard deviation of d primes and betas in each experimental condition for behavioral responses in the fMRI experiment [N=18]

	d'				Beta			
	Sequential Presentation		Simultaneous Presentation		Sequential Presentation		Simultaneous Presentation	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Unchanged Location	1.096	1.080	1.058	1.650	107.794	307.149	156.704	357.700
Random Location	.472	.661	.502	1.054	1.756	0.803	54.572	225.278
Average	.784	.871	.780	1.352	54.775	153.976	105.638	291.489

Table 6.9: Repeated measures ANOVA of d primes for modes of presentation and locations for behavioral responses in the fMRI experiment [N=18]

Source	df	MS	F	p	partial η^2
Presentation Mode[A]	1	.000	.000	.986	.000
Error[A]	17	1.097			
Location [B]	1	6.263	7.855	.012	.316
Error [B]	17	.797			
AxB	1	.020	.039	.845	.002
Error [AxB]	17	.519			

Table 6.10: Bayesian repeated measures ANOVA of d primes for modes of presentation and locations for behavioral responses in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error %
Null Model [Incl. Participants]	.020	0.099	.438	1	
Presentation Mode[A]	.020	0.026	.105	.261	9.761
Location [B]	.020	0.663	7.886	6.727	1.356
A + B	.020	0.163	.778	1.651	2.356
A + B + [A × B]	.020	0.049	.208	.501	1.796

Table 6.11: Repeated measures ANOVA of betas for modes of presentation and locations for behavioral responses in the fMRI experiment [N=18]

Source	df	MS	F	p	partial η^2
Presentation Mode[A]	1	46566.83	.618	.443	.035
Error[A]	17	75354.64			
Location [B]	1	195004.5	2.91	.106	.146
Error [B]	17	67020.99			
A×B	1	68.68	8.810×10 ⁻⁴	.977	0
Error [A×B]	17	77960.29			

Table 6.12: ANOVA of d primes for locations and selected swaps in sequential presentation for behavioral responses in the fMRI experiment [N=18]

Source	df	MS	F	p	partial η^2
Location[A]	1	1.467	.717	.409	.040
Error[A]	17	2.045			
Swaps [B]	3	1.690	.835	.467	.047
Error [B]	51	2.023			
A×B	3	.509	.220	.861	.013
Error [A×B]	51	2.317			

Table 6.13: Bayesian repeated measures ANOVA of d primes for locations and selected swaps in sequential presentation for behavioral responses in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error %
Null Model [Incl. Participants]	.020	.728	10.711	1	
Location [A]	.020	.185	.909	.254	1.155
Swaps [B]	.020	.067	.288	.092	.550
A + B	.020	.018	.073	.025	2.846
A + B + [A × B]	.020	.002	.007	..002	2.124

Table 6.14: Mixed ANOVA for comparison of Experiment 3 [N=18] and the fMRI Experiment [N=18] with modes of presentation and locations as repeated measures

Source	df	MS	F	p	partial η^2
Between Participants					
Experiment [A]	1	19.196	9.326	0.004	0.215
Error	34	2.058			
Within Participants					
Presentation Mode[B]	1	0.879	1.313	0.26	0.037
A×B	1	0.927	1.385	0.247	0.039
Error[B]	34	0.669			
Location [C]	1	19.773	38.254	< .001	0.529
A×C	1	0.823	1.593	0.215	0.045
Error [C]	34	0.517			
B×C	1	3.983	8.852	0.005	0.207
A×B×C	1	4.83	10.734	0.002	0.24
Error [A×B]	34	0.45			

Table 6.15: Bayesian mixed ANOVA for comparison of Experiment 3 [N=18] and the fMRI Experiment [N=18] with modes of presentation and locations as repeated measures

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error %
Null Model [Incl. Participants]	.053	1.422×10 ⁻⁷	2.560×10 ⁻⁶	1	
Presentation Mode [A]	.053	4.102×10 ⁻⁸	7.384×10 ⁻⁷	0.288	0.921
Location [B]	.053	0.013	0.246	94626.76	10.76
A + B	.053	0.004	0.072	27860.49	2.905
A + B + [A × B]	.053	0.016	0.292	112430.6	1.851
Experiment [C]	.053	1.235×10 ⁻⁶	2.222×10 ⁻⁵	8.513	1.725
A + C	.053	3.459×10 ⁻⁷	6.226×10 ⁻⁶	2.432	1.284
B + C	.053	0.114	2.327	805022.9	3.928
A + B + C	.053	0.036	0.68	255964.3	1.896
A + B + [A × B] + C	.053	0.169	3.651	1.186×10 ⁺⁶	2.714
A + C + [A × C]	.053	1.395×10 ⁻⁷	2.511×10 ⁻⁶	0.981	1.757
A + B + C + [A × C]	.053	0.017	0.314	120446.8	5.793
A + B + [A × B] + C + [A × C]	.053	0.074	1.432	518255.6	3.287
B + C + [B × C]	.053	0.047	0.89	331322.8	2.698
A + B + C + [B × C]	.053	0.015	0.273	105180.2	2.018
A + B + [A × B] + C + [B × C]	.053	0.072	1.388	503558.4	8.105
A + B + C + [A × C] + [B × C]	.053	0.008	0.145	56371.64	8.589
A + B + [A × B] + C + [A × C] + [B × C]	.053	0.032	0.604	220614.3	4.16
A + B + [A × B] + C + [A × C] + [B × C] + [A × B × C]	.053	0.382	11.129	2.543×10 ⁺⁶	12.023

Table 6.16: Mean and standard deviation of mean parameter estimates in each experimental condition for each region of interest in the fMRI experiment [N=18]

ROIs	Sequential presentation				Simultaneous presentation			
	Unchanged location		Random location		Unchanged location		Random location	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
R-Superior Parietal Cortex	.905	1.295	1.351	.810	.529	.918	1.658	1.543
R-Intra Parietal Cortex	1.032	.735	1.015	.401	.797	.793	1.347	.710
R-Superior Parietal Lobule	1.174	.795	1.403	.862	.882	.823	1.854	1.126
L-Superior Parietal Lobule	1.117	.650	1.273	.580	.782	.624	1.596	1.097
L-Intra Parietal Sulcus	.723	.587	1.061	.496	.395	.610	1.261	.710
R- Intra Parietal Sulcus	.940	.863	1.391	.861	.612	.854	1.724	1.170
L-Precentral Gyrus	.558	.406	.520	.384	.302	.261	.594	.496
R-Fusiform Area	1.567	1.173	1.638	1.075	1.114	1.005	2.236	1.674
L-Anterior Hippocampus	-.007	.227	.113	.228	-.033	.226	.099	.282
R-Supra marginal Gyrus	.186	.563	-.058	.546	.193	.654	.014	.803

Table 6.17: Repeated measures ANOVA of mean parameter estimates in the Right Superior Parietal Cortex for modes of presentation and locations in the fMRI experiment [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial η²</i>
Presentation Mode[A]	1	.022	.040	.844	.002
Error[A]	17	.550			
Location [B]	1	11.169	23.989	.001	.585
Error [B]	17	.466			
A×B	1	2.101	3.024	.100	.151
Error [A×B]	17	.695			

Table 6.18: Bayesian repeated measures ANOVA of mean parameter estimates in the Right Superior Parietal Cortex for modes of presentation and locations in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	0.002	0.007	1	
Presentation Mode[A]	.020	4.456×10 ⁻⁴	0.002	0.242	1.46
Location[B]	.020	0.652	7.48	353.177	5.303
A + B	.020	0.149	0.698	80.496	3.227
A + B + [A × B]	.020	0.198	0.985	107.121	2.176

Table 6.19: Repeated measures ANOVA of mean parameter estimates in the Right Intra Parietal Cortex for modes of presentation and locations in the fMRI experiment [N=18]

Source	df	MS	F	p	partial η ²
Presentation Mode[A]	1	.041	.149	.704	.009
Error[A]	17	.278			
Location [B]	1	1.274	4.979	.039	.227
Error [B]	17	.256			
A×B	1	1.448	5.412	.033	.241
Error [A×B]	17	.268			

Table 6.20: Bayesian repeated measures ANOVA of mean parameter estimates in the Right Intra Parietal Cortex for modes of presentation and locations in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	0.228	1.18	1	
Presentation Mode[A]	.020	0.057	0.243	0.251	0.914
Location[B]	.020	0.381	2.462	1.672	2.85
A + B	.020	0.092	0.405	0.403	1.374
A + B + [A × B]	.020	0.242	1.278	1.063	1.692

Table 6.21: Repeated measures ANOVA of mean parameter estimates in the Right Superior Parietal Lobule for modes of presentation and locations in the fMRI experiment [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial</i> η^2
Presentation Mode[A]	1	.113	.435	.518	.025
Error[A]	17	.261			
Location [B]	1	6.483	15.637	.001	.479
Error [B]	17	.415			
A×B	1	2.486	7.748	.013	.313
Error [A×B]	17	.321			

Table 6.22: Bayesian repeated measures ANOVA of mean parameter estimates in the Right Superior Parietal Lobule for modes of presentation and locations in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	0.002	0.007	1	
Presentation Mode[A]	.020	4.569×10^{-4}	0.002	0.269	2.045
Location[B]	.020	0.348	2.136	204.75	0.866
A + B	.020	0.095	0.421	56.071	2.413
A + B + [A × B]	.020	0.554	4.977	326.101	6.808

Table 6.23: Repeated measures ANOVA of mean parameter estimates in the Left Superior Parietal Lobule for modes of presentation and locations in the fMRI experiment [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial</i> η^2
Presentation Mode[A]	1	6.481×10^{-4}	.004	.953	0
Error[A]	17	.185			
Location [B]	1	4.238	9.671	.006	.363
Error [B]	17	.438			
A×B	1	1.954	5.876	.027	.257
Error [A×B]	17	.332			

Table 6.24: Bayesian repeated measures ANOVA of mean parameter estimates in the Left Superior Parietal Lobule for modes of presentation and locations in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	0.013	0.054	1	
Presentation Mode[A]	.020	0.004	0.015	0.285	16.065
Location[B]	.020	0.459	3.387	34.226	1.406
A + B	.020	0.111	0.501	8.313	2.23
A + B + [A × B]	.020	0.413	2.813	30.82	5.033

Table 6.25: Repeated measures ANOVA of mean parameter estimates in the Left Intra Parietal Sulcus for modes of presentation and locations in the fMRI experiment [N=18]

Source	Df	MS	F	p	partial η^2
Presentation Mode[A]	1	.074	.359	.557	0.021
Error[A]	17	.205			
Location [B]	1	6.524	17.076	.001	.501
Error [B]	17	.382			
A×B	1	1.251	4.433	.050	.207
Error [A×B]	17	.282			

Table 6.26: Bayesian repeated measures ANOVA of mean parameter estimates in the Left Intra Parietal Sulcus for modes of presentation and locations in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	3.827×10^{-4}	0.002	1	
Presentation Mode[A]	.020	1.026×10^{-4}	4.106×10^{-4}	0.268	3.874
Location[B]	.020	0.574	5.384	1498.968	1.906
A + B	.020	0.154	0.729	402.544	2.423
A + B + [A × B]	.020	0.272	1.492	709.904	1.638

Table 6.27: Repeated measures ANOVA of mean parameter estimates in the Right Intra Parietal Sulcus for modes of presentation and locations in the fMRI experiment [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial η²</i>
Presentation Mode[A]	1	1.378e -4	3.511×10 ⁻⁴	.985	0
Error[A]	17	0.393			
Location [B]	1	10.985	18.662	.001	.523
Error [B]	17	0.589			
A×B	1	1.968	5.686	.029	.251
Error [A×B]	17	0.346			

Table 6.28: Bayesian repeated measures ANOVA of mean parameter estimates in the Right Intra Parietal Sulcus for modes of presentation and locations in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	3.488×10 ⁻⁴	0.001	1	
Presentation Mode[A]	.020	8.502×10 ⁻⁵	3.401×10 ⁻⁴	0.244	1.4
Location[B]	.020	0.601	6.029	1723.461	1.267
A + B	.020	0.146	0.681	417.235	3.724
A + B +[A × B]	.020	0.253	1.354	725.024	2.818

Table 6.29: Repeated measures ANOVA of mean parameter estimates in the Left Precentral Gyrus for modes of presentation and locations in the fMRI experiment [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial η²</i>
Presentation Mode[A]	1	.149	1.715	0.208	0.092
Error[A]	17	.087			
Location [B]	1	.292	2.002	0.175	0.105
Error [B]	17	.146			
A×B	1	.489	7.127	0.016	0.295
Error [A×B]	17	.069			

Table 6.30: Bayesian repeated measures ANOVA of mean parameter estimates in the Left Precentral Gyrus for modes of presentation and locations in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	0.306	1.76	1	
Presentation Mode[A]	.020	0.135	0.623	0.441	1.636
Location[B]	.020	0.231	1.204	0.757	0.93
A + B	.020	0.101	0.448	0.33	1.629
A + B + [A × B]	.020	0.228	1.179	0.745	2.144

Table 6.31: Repeated measures ANOVA of mean parameter estimates in the Right Fusiform Area for modes of presentation and locations in the fMRI experiment [N=18]

Source	df	MS	F	p	partial η^2
Presentation Mode[A]	1	.095	.141	.712	.008
Error[A]	17	.675			
Location [B]	1	6.416	5.895	.027	.257
Error [B]	17	1.088			
A×B	1	4.970	9.66	.006	.362
Error [A×B]	17	.515			

Table 6.32: Bayesian repeated measures ANOVA of mean parameter estimates in the Right Fusiform Area for modes of presentation and locations in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	0.069	0.298	1	
Presentation Mode[A]	.020	0.017	0.071	0.252	1.278
Location[B]	.020	0.402	2.694	5.799	1.168
A + B	.020	0.107	0.48	1.543	3.936
A + B + [A × B]	.020	0.404	2.707	5.815	2.519

Table 6.33: Repeated measures ANOVA of mean parameter estimates in the Left Anterior Hippocampus for modes of presentation and locations in the fMRI experiment [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial</i> η^2
Presentation Mode[A]	1	.007	.172	.683	.010
Error[A]	17	.041			
Location [B]	1	.291	3.906	.065	.187
Error [B]	17	.075			
A×B	1	6.239×10 ⁻⁴	.024	.878	.001
Error [A×B]	17	.026			

Table 6.34: Bayesian repeated measures ANOVA of mean parameter estimates in the Left Anterior Hippocampus for modes of presentation and locations in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	0.154	0.727	1	
Presentation Mode[A]	.020	0.039	0.164	0.256	2.12
Location[B]	.020	0.604	6.107	3.93	0.978
A + B	.020	0.155	0.732	1.006	1.617
A + B + [A × B]	.020	0.048	0.202	0.312	1.997

Table 6.35: Repeated measures ANOVA of mean parameter estimates in the Right Supra marginal Gyrus for modes of presentation and locations in the fMRI experiment [N=18]

Source	<i>df</i>	<i>MS</i>	<i>F</i>	<i>p</i>	<i>partial</i> η^2
Presentation Mode[A]	1	1	.028	.105	.75
Error[A]	17	17	.272		
Location [B]	1	1	.808	.847	.192
Error [B]	17	17	.438		
A×B	1	1	.020	.079	.782
Error [A×B]	17	17	.253		

Table 6.36: Bayesian repeated measures ANOVA of mean parameter estimates in the Right Supra marginal Gyrus for modes of presentation and locations in the fMRI experiment [N=18]

Models	P[M]	P[M data]	BF _M	BF ₁₀	Error%
Null Model [Incl. Participants]	.020	0.443	3.182	1	
Presentation Mode[A]	.020	0.109	0.49	0.246	0.787
Location[B]	.020	0.336	2.027	0.759	1.259
A + B	.020	0.083	0.361	0.187	1.959
A + B + [A × B]	.020	0.029	0.119	0.065	6.019

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