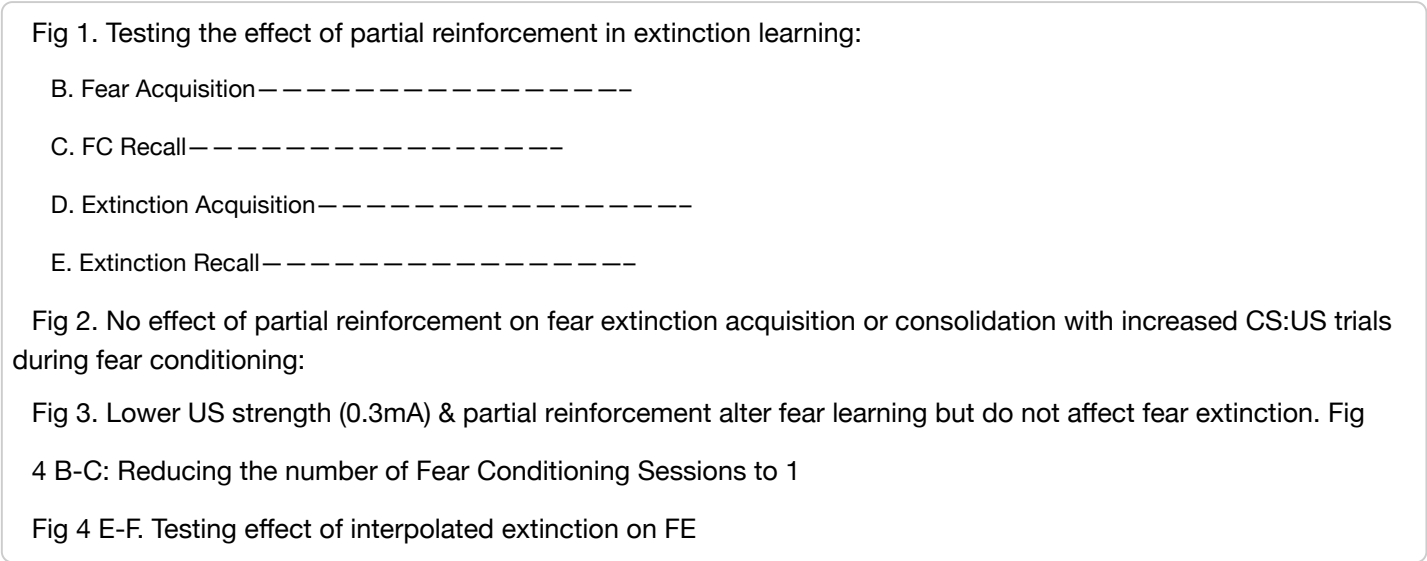




Statistics Tables for Su et al., (2024)

This file contains all the statistics tables for the Su et al., (2024) manuscript titled: No effect of partial reinforcement on fear extinction learning and memory in C57BL/6J mice

Fig 1. Testing the effect of partial reinforcement in extinction learning:

B. Fear Acquisition

B1. Within-session FC

- Contingency = Reinforcement contingency (50% , 100%)
- CS_dur = CS duration (10 s, 25s)
- CS = CS:US pair (1-3)

Figure 1.B1: FC1 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 59	756.29	0.12	<.001	.732
CS_dur	1, 59	756.29	2.19	.017	.144
Contingency:CS_dur	1, 59	756.29	0.71	.006	.404

Effect	df	MSE	F	ges	p.value
CS	1.75, 103.49	476.42	101.73 ***	.475	<.001
Contingency:CS	1.75, 103.49	476.42	0.16	.001	.828
CS_dur:CS	1.75, 103.49	476.42	0.21	.002	.785
Contingency:CS_dur:CS	1.75, 103.49	476.42	0.26	.002	.744

Figure 1.B1: Simple contrasts for CS

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
CS	tone.01 - tone.02	0	-23.22080	3.031412	59	-7.660061	0
CS	tone.01 - tone.03	0	-53.34744	3.844808	59	-13.875188	0
CS	tone.02 - tone.03	0	-30.12664	4.269137	59	-7.056846	0

Figure 1.B1: FC2 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 59	974.02	1.61	.012	.209
CS_dur	1, 59	974.02	6.11 *	.044	.016
Contingency:CS_dur	1, 59	974.02	2.64	.020	.110
CS	1.84, 108.30	650.13	6.69 **	.059	.002
Contingency:CS	1.84, 108.30	650.13	1.18	.011	.308
CS_dur:CS	1.84, 108.30	650.13	1.29	.012	.279
Contingency:CS_dur:CS	1.84, 108.30	650.13	1.29	.012	.279

Figure 1.B1: Simple contrasts for CS

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
CS	tone.01 - tone.02	0	-0.6869868	3.791434	59	-0.1811945	0.9820686
CS	tone.01 - tone.03	0	-14.5264803	4.617650	59	-3.1458596	0.0072149
CS	tone.02 - tone.03	0	-13.8394934	4.956035	59	-2.7924526	0.0190136

Figure 1.B2: Main FX

C. FC Recall

- ### Figure 1C: Main FX

Figure 1C: Simple contrasts for CS-Epoch

Figure 1C: Simple contrasts for CS duration

Exp_Type	term	contrast	null.value	estimate	std.error	df	statistic	p.value
E1	CS_dur	CS_dur10 - CS_dur25	0	4.286239	4.262484	59	1.005573	0.3187274
FC2	CS_dur	CS_dur10 - CS_dur25	0	-11.318960	4.468806	59	-2.532883	0.0139921

D. Extinction Acquisition

D1. Within-Session Extinction

- Bin: Each bin is an average of 4CS (12 CS into 4 bins). Pre- and post-tone data not included.

Figure 1.D1: E1 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 59	948.88	0.32	.003	.576
CS_dur	1, 59	948.88	0.76	.008	.387
Contingency:CS_dur	1, 59	948.88	0.35	.004	.558
Bin	2.68, 157.83	200.40	15.70 ***	.088	<.001
Contingency:Bin	2.68, 157.83	200.40	0.95	.006	.409
CS_dur:Bin	2.68, 157.83	200.40	5.47 **	.032	.002
Contingency:CS_dur:Bin	2.68, 157.83	200.40	0.65	.004	.567

Figure 1.D1-E1: Simple Contrasts for CS bin

CS_dur	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
10	Bin	X1 - X2	0	2.9595833	2.905524	59	1.0186056	0.7392539
10	Bin	X1 - X3	0	19.4522222	3.983820	59	4.8828064	0.0000485
10	Bin	X1 - X4	0	16.7080556	3.974812	59	4.2034832	0.0005126
10	Bin	X2 - X3	0	16.4926389	4.186570	59	3.9394159	0.0012224
10	Bin	X2 - X4	0	13.7484722	4.055032	59	3.3904723	0.0066761
10	Bin	X3 - X4	0	-2.7441667	3.907608	59	-0.7022624	0.8957873
25	Bin	X1 - X2	0	-4.9388772	2.280030	59	-2.1661454	0.1447652

CS_dur	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
25	Bin	X1 - X3	0	-0.2293684	3.126193	59	-0.0733699	0.9998567
25	Bin	X1 - X4	0	8.7844868	3.119125	59	2.8163308	0.0325196
25	Bin	X2 - X3	0	4.7095088	3.285296	59	1.4335114	0.4838958
25	Bin	X2 - X4	0	13.7233640	3.182075	59	4.3127096	0.0003548
25	Bin	X3 - X4	0	9.0138553	3.066388	59	2.9395673	0.0235924

Figure 1.D1: E1 Simple Contrasts by CS duration

Bin	term	contrast	null.value	estimate	std.error	df	statistic	p.value
X1	CS_dur	CS_dur10 - CS_dur25	0	5.389757	4.194087	59	1.2850847	0.2037847
X2	CS_dur	CS_dur10 - CS_dur25	0	-2.508703	5.344962	59	-0.4693585	0.6405434
X3	CS_dur	CS_dur10 - CS_dur25	0	-14.291833	5.087166	59	-2.8093900	0.0067223
X4	CS_dur	CS_dur10 - CS_dur25	0	-2.533811	5.285669	59	-0.4793738	0.6334449

Figure 1.D1: E2 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 59	1101.95	0.09	.001	.764
CS_dur	1, 59	1101.95	1.99	.023	.164
Contingency:CS_dur	1, 59	1101.95	1.78	.021	.188
Bin	2.61, 154.01	183.45	28.67 ***	.128	<.001
Contingency:Bin	2.61, 154.01	183.45	2.89 *	.015	.045
CS_dur:Bin	2.61, 154.01	183.45	0.88	.004	.442
Contingency:CS_dur:Bin	2.61, 154.01	183.45	1.44	.007	.238

Figure 1.D1: E2 Simple Contrasts by Contingency

Bin	term	contrast	null.value	estimate	std.error	df	statistic	p.value
X1	Contingency	Contingency050 - Contingency100	0	-3.411162	4.631031	59	-0.7365881	0.4642917

Bin	term	contrast	null.value	estimate	std.error	df	statistic	p.value
X2	Contingency	Contingency050 - Contingency100	0	1.863092	5.573547	59	0.3342741	0.7393581
X3	Contingency	Contingency050 - Contingency100	0	4.422017	5.005925	59	0.8833567	0.3806289
X4	Contingency	Contingency050 - Contingency100	0	-8.076155	5.372004	59	-1.5033786	0.1380757

Figure 1.D1: E2 Simple Contrasts by CS Bin

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
050	Bin	X1 - X2	0	4.028662	2.805619	59	1.435927	0.4824273
050	Bin	X1 - X3	0	12.727098	3.126411	59	4.070833	0.0007962
050	Bin	X1 - X4	0	21.102909	3.731540	59	5.655282	0.0000028
050	Bin	X2 - X3	0	8.698436	3.108977	59	2.797845	0.0340905
050	Bin	X2 - X4	0	17.074247	3.817822	59	4.472248	0.0002055
050	Bin	X3 - X4	0	8.375811	3.049411	59	2.746698	0.0387916
100	Bin	X1 - X2	0	9.302917	2.778335	59	3.348379	0.0075522
100	Bin	X1 - X3	0	20.560278	3.096007	59	6.640901	0.0000001
100	Bin	X1 - X4	0	16.437917	3.695252	59	4.448389	0.0002232
100	Bin	X2 - X3	0	11.257361	3.078743	59	3.656480	0.0029913
100	Bin	X2 - X4	0	7.135000	3.780695	59	1.887219	0.2445785
100	Bin	X3 - X4	0	-4.122361	3.019757	59	-1.365130	0.5259493

Figure 1.D1: E3 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 59	1107.89	0.02	<.001	.895
CS_dur	1, 59	1107.89	0.58	.007	.451
Contingency:CS_dur	1, 59	1107.89	4.62 *	.052	.036
Bin	2.81, 165.68	166.30	57.00 ***	.223	<.001

Effect	df	MSE	F	ges	p.value
Contingency:Bin	2.81, 165.68	166.30	0.41	.002	.736
CS_dur:Bin	2.81, 165.68	166.30	1.06	.005	.363
Contingency:CS_dur:Bin	2.81, 165.68	166.30	0.86	.004	.459

Figure 1.D1: E3 Simple Contrasts by CS bin

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Bin	X1 - X2	0	13.564143	2.119168	59	6.400691	0.0000002
Bin	X1 - X3	0	22.742757	2.331385	59	9.755040	0.0000000
Bin	X1 - X4	0	27.857716	2.452714	59	11.357915	0.0000000
Bin	X2 - X3	0	9.178613	1.904834	59	4.818590	0.0000610
Bin	X2 - X4	0	14.293573	2.455459	59	5.821140	0.0000015
Bin	X3 - X4	0	5.114960	2.416614	59	2.116581	0.1597778

Figure 1.D1: E3 Simple Contrasts Contingency

CS_dur	term	contrast	null.value	estimate	std.error	df	statistic	p.value
10	Contingency	Contingency050 - Contingency100	0	9.856181	6.794257	59	1.450663	0.1521696
25	Contingency	Contingency050 - Contingency100	0	-8.712895	5.331607	59	-1.634197	0.1075429

Figure 1.D1: E3 Simple Contrasts for CS_duration

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	p.value
050	CS_dur	CS_dur10 - CS_dur25	0	6.00470	6.136646	59	0.9784988	0.331823
100	CS_dur	CS_dur10 - CS_dur25	0	-12.56438	6.076969	59	-2.0675399	0.043078

D1. Comparing slope of FE acquisition using linear contrasts

Contrast for Slope: E1 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 61	5.09	0.28	.005	.599

FContrast for Slope: E2 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 61	5.13	0.72	.012	.399

FContrast for Slope: E3 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 61	3.98	1.03	.017	.315

D2. Between-Session Extinction

- Exp_Type: refers to FC session/day (1-2)

Figure 1.D2: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 59	567.55	0.08	<.001	.782
CS_dur	1, 59	567.55	0.00	<.001	.949
Contingency:CS_dur	1, 59	567.55	2.64	.031	.110
Exp_Type	1.77, 104.44	125.49	44.66 ***	.176	<.001
Contingency:Exp_Type	1.77, 104.44	125.49	0.27	.001	.733
CS_dur:Exp_Type	1.77, 104.44	125.49	3.99 *	.019	.026
Contingency:CS_dur:Exp_Type	1.77, 104.44	125.49	1.61	.008	.208

Figure 1.D2-E1:Simple Contrasts for FE Day

CS_dur	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
10	Exp_Type	E1 - E2	0	4.140347	3.409290	59	1.214431	0.4494707
10	Exp_Type	E1 - E3	0	18.168958	3.178910	59	5.715469	0.0000011
10	Exp_Type	E2 - E3	0	14.028611	2.457143	59	5.709317	0.0000012
25	Exp_Type	E1 - E2	0	13.700866	2.675346	59	5.121156	0.0000104

CS_dur	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
25	Exp_Type	E1 - E3	0	18.375269	2.494562	59	7.366130	0.0000000
25	Exp_Type	E2 - E3	0	4.674402	1.928176	59	2.424261	0.0476969

Figure 1.D2-E1:Simple Contrasts for FE Day

Exp_Type	term	contrast	null.value	estimate	std.error	df	statistic	p.value
E1	CS_dur	CS_dur10 - CS_dur25	0	-3.486148	3.996342	59	-0.8723346	0.3865622
E2	CS_dur	CS_dur10 - CS_dur25	0	6.074371	4.306630	59	1.4104697	0.1636518
E3	CS_dur	CS_dur10 - CS_dur25	0	-3.279837	4.318216	59	-0.7595352	0.4505566

E. Extinction Recall

- Exp_Type: refers to tone-test session/day (2d, 30d)

Figure 1F Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 44	566.16	0.50	.008	.485
CS_dur	1, 44	566.16	0.41	.006	.523
Contingency:CS_dur	1, 44	566.16	1.31	.020	.259
Exp_Type	1, 44	258.83	38.62 ***	.216	<.001
Contingency:Exp_Type	1, 44	258.83	1.51	.011	.226
CS_dur:Exp_Type	1, 44	258.83	0.20	.001	.659
Contingency:CS_dur:Exp_Type	1, 44	258.83	0.67	.005	.419

END of Fig 1

Fig 2. No effect of partial reinforcement on fear extinction acquisition or consolidation

with increased CS:US trials during fear conditioning:

B. Fear Acquisition

B1 - Within-session FC

Figure 2-B1: Main FX for FC1

Effect	df	MSE	F	ges	p.value
Contingency	1, 60	1380.14	11.17 **	.057	.001
CS	3.91, 234.31	725.55	54.46 ***	.379	<.001
Contingency:CS	3.91, 234.31	725.55	5.32 ***	.056	<.001

Figure 2-B1, FC1:Simple Contrasts for Contingency

CS	term	contrast	null.value	estimate	std.error	df	statistic	p.value
tone.01	Contingency	Contingency050 - Contingency100	0	0.350000	0.6652902	60	0.5260862	0.6007676
tone.02	Contingency	Contingency050 - Contingency100	0	10.231000	4.9813432	60	2.0538637	0.0443540
tone.03	Contingency	Contingency050 - Contingency100	0	37.692687	7.1823200	60	5.2479822	0.0000021
tone.04	Contingency	Contingency050 - Contingency100	0	2.161083	7.6924484	60	0.2809357	0.7797262
tone.05	Contingency	Contingency050 - Contingency100	0	7.161208	7.8514070	60	0.9120924	0.3653704
tone.06	Contingency	Contingency050 - Contingency100	0	19.701563	8.6294159	60	2.2830702	0.0259834

Figure 2-B1, FC1:Simple Contrasts for CS

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
050	CS	tone.01 - tone.02	0	-15.625000	3.371458	60	-4.6344936	0.0002760
050	CS	tone.01 - tone.03	0	-55.364688	4.838044	60	-11.4436090	0.0000000
050	CS	tone.01 - tone.04	0	-45.988750	5.281689	60	-8.7072052	0.0000000
050	CS	tone.01 - tone.05	0	-57.166875	5.371481	60	-10.6426645	0.0000000
050	CS	tone.01 - tone.06	0	-60.396563	5.981079	60	-10.0979373	0.0000000
050	CS	tone.02 - tone.03	0	-39.739688	5.104713	60	-7.7849012	0.0000000
050	CS	tone.02 - tone.04	0	-30.363750	4.984770	60	-6.0913039	0.0000013
050	CS	tone.02 - tone.05	0	-41.541875	5.507919	60	-7.5422084	0.0000000
050	CS	tone.02 - tone.06	0	-44.771563	5.782897	60	-7.7420649	0.0000000
050	CS	tone.03 - tone.04	0	9.375937	6.364029	60	1.4732708	0.6822740
050	CS	tone.03 - tone.05	0	-1.802188	6.637954	60	-0.2714974	0.9997899
050	CS	tone.03 - tone.06	0	-5.031875	6.380450	60	-0.7886395	0.9684249
050	CS	tone.04 - tone.05	0	-11.178125	6.923042	60	-1.6146261	0.5923377
050	CS	tone.04 - tone.06	0	-14.407813	7.312723	60	-1.9702390	0.3712656
050	CS	tone.05 - tone.06	0	-3.229687	7.912810	60	-0.4081593	0.9984735
100	CS	tone.01 - tone.02	0	-5.744000	3.482027	60	-1.6496140	0.5697275
100	CS	tone.01 - tone.03	0	-18.022000	4.996711	60	-3.6067728	0.0079425

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
100	CS	tone.01 - tone.04	0	-44.177667	5.454905	60	-8.0987051	0.0000000
100	CS	tone.01 - tone.05	0	-50.355667	5.547642	60	-9.0769493	0.0000000
100	CS	tone.01 - tone.06	0	-41.045000	6.177232	60	-6.6445618	0.0000001
100	CS	tone.02 - tone.03	0	-12.278000	5.272125	60	-2.3288522	0.1988689
100	CS	tone.02 - tone.04	0	-38.433667	5.148249	60	-7.4653868	0.0000000
100	CS	tone.02 - tone.05	0	-44.611667	5.688555	60	-7.8423554	0.0000000
100	CS	tone.02 - tone.06	0	-35.301000	5.972550	60	-5.9105406	0.0000025
100	CS	tone.03 - tone.04	0	-26.155667	6.572741	60	-3.9794156	0.0024936
100	CS	tone.03 - tone.05	0	-32.333667	6.855650	60	-4.7163533	0.0002071
100	CS	tone.03 - tone.06	0	-23.023000	6.589700	60	-3.4937857	0.0111044
100	CS	tone.04 - tone.05	0	-6.178000	7.150087	60	-0.8640454	0.9535345
100	CS	tone.04 - tone.06	0	3.132667	7.552548	60	0.4147828	0.9983508
100	CS	tone.05 - tone.06	0	9.310667	8.172315	60	1.1392936	0.8629266

Figure 2-B1: Main FX for FC2

Effect	df	MSE	F	ges	p.value
Contingency	1, 60	2354.48	0.55	.003	.463
CS	4.50, 270.00	982.44	7.33 ***	.074	<.001
Contingency:CS	4.50, 270.00	982.44	0.73	.008	.584

Figure 2-B1, FC2:Simple Contrasts for CS

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
CS	tone.01 - tone.02	0	-19.6239062	4.534513	60	-4.3276764	0.0007918
CS	tone.01 - tone.03	0	-9.6848750	5.095076	60	-1.9008303	0.4117437
CS	tone.01 - tone.04	0	-23.6665417	4.673100	60	-5.0644201	0.0000596
CS	tone.01 - tone.05	0	-25.3111354	4.981798	60	-5.0807228	0.0000561
CS	tone.01 - tone.06	0	-24.7687292	5.512762	60	-4.4929801	0.0004508
CS	tone.02 - tone.03	0	9.9390312	5.944331	60	1.6720184	0.5552504
CS	tone.02 - tone.04	0	-4.0426354	5.440469	60	-0.7430675	0.9756029
CS	tone.02 - tone.05	0	-5.6872292	4.937337	60	-1.1518819	0.8573840
CS	tone.02 - tone.06	0	-5.1448229	6.130328	60	-0.8392411	0.9588678
CS	tone.03 - tone.04	0	-13.9816667	5.905953	60	-2.3673853	0.1843925
CS	tone.03 - tone.05	0	-15.6262604	5.325264	60	-2.9343635	0.0512036
CS	tone.03 - tone.06	0	-15.0838542	6.128773	60	-2.4611541	0.1524213
CS	tone.04 - tone.05	0	-1.6445937	4.439827	60	-0.3704184	0.9990437
CS	tone.04 - tone.06	0	-1.1021875	5.534001	60	-0.1991665	0.9999544
CS	tone.05 - tone.06	0	0.5424062	5.164858	60	0.1050186	0.9999981

B2 - Between-session FC

Figure 2-B2: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 60	369.71	4.06 *	.044	.048
Exp_Type	1, 60	168.13	115.11 ***	.375	<.001
Contingency:Exp_Type	1, 60	168.13	0.11	<.001	.744

C. FC Recall

Figure 2C: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 60	398.82	0.34	.003	.561
Exp_Type	1, 60	281.47	13.29 ***	.084	<.001
Contingency:Exp_Type	1, 60	281.47	1.85	.013	.179

D. Extinction acquisition

D1 - Within-session FE

Figure 2-D1: E1 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 60	1368.85	0.09	.001	.766
Bin	2.77, 166.14	202.54	13.77 ***	.063	<.001
Contingency:Bin	2.77, 166.14	202.54	3.56 *	.017	.018

Figure 2-D1, E1:Simple Contrasts for Contingency

Bin	term	contrast	null.value	estimate	std.error	df	statistic	p.value
X1	Contingency	Contingency050 - Contingency100	0	-1.122875	4.828636	60	-0.2325450	0.8169062
X2	Contingency	Contingency050 - Contingency100	0	-4.276382	5.403644	60	-0.7913886	0.4318347
X3	Contingency	Contingency050 - Contingency100	0	-7.776764	5.945792	60	-1.3079441	0.1958814
X4	Contingency	Contingency050 - Contingency100	0	7.545604	6.062833	60	1.2445675	0.2181304

Figure 2-D1, E1:Simple Contrasts for Bin

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
050	Bin	X1 - X2	0	4.430729	3.268780	60	1.3554689	0.5318792
050	Bin	X1 - X3	0	13.915000	3.301623	60	4.2145936	0.0004856
050	Bin	X1 - X4	0	9.430521	3.635598	60	2.5939392	0.0562115

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
050	Bin	X2 - X3	0	9.484271	3.268482	60	2.9017360	0.0259500
050	Bin	X2 - X4	0	4.999792	3.916440	60	1.2766166	0.5812175
050	Bin	X3 - X4	0	-4.484479	3.046239	60	-1.4721365	0.4604771
100	Bin	X1 - X2	0	1.277222	3.375981	60	0.3783262	0.9813803
100	Bin	X1 - X3	0	7.261111	3.409902	60	2.1294194	0.1555838
100	Bin	X1 - X4	0	18.099000	3.754830	60	4.8201919	0.0000590
100	Bin	X2 - X3	0	5.983889	3.375673	60	1.7726505	0.2964598
100	Bin	X2 - X4	0	16.821778	4.044881	60	4.1587815	0.0005856
100	Bin	X3 - X4	0	10.837889	3.146142	60	3.4448190	0.0056371

Figure 2-D1: E2 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 60	1433.10	1.91	.024	.172
Bin	2.59, 155.21	175.20	51.59 ***	.171	<.001
Contingency:Bin	2.59, 155.21	175.20	0.90	.004	.432

Figure 2-D1, E2:Simple Contrasts for Bin

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
050	Bin	X1 - X2	0	4.430729	3.268780	60	1.3554689	0.5318792
050	Bin	X1 - X3	0	13.915000	3.301623	60	4.2145936	0.0004856
050	Bin	X1 - X4	0	9.430521	3.635598	60	2.5939392	0.0562115
050	Bin	X2 - X3	0	9.484271	3.268482	60	2.9017360	0.0259500
050	Bin	X2 - X4	0	4.999792	3.916440	60	1.2766166	0.5812175
050	Bin	X3 - X4	0	-4.484479	3.046239	60	-1.4721365	0.4604771
100	Bin	X1 - X2	0	1.277222	3.375981	60	0.3783262	0.9813803
100	Bin	X1 - X3	0	7.261111	3.409902	60	2.1294194	0.1555838
100	Bin	X1 - X4	0	18.099000	3.754830	60	4.8201919	0.0000590

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
100	Bin	X2 - X3	0	5.983889	3.375673	60	1.7726505	0.2964598
100	Bin	X2 - X4	0	16.821778	4.044881	60	4.1587815	0.0005856
100	Bin	X3 - X4	0	10.837889	3.146142	60	3.4448190	0.0056371

Figure 2-D1: E3 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 60	1577.27	1.58	.019	.214
Bin	2.90, 174.11	179.03	74.37 ***	.235	<.001
Contingency:Bin	2.90, 174.11	179.03	0.60	.002	.612

Figure 2-D1, E3:Simple Contrasts for Bin

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Bin	X1 - X2	0	20.357663	2.284861	60	8.909805	0.0000000
Bin	X1 - X3	0	26.473233	2.355666	60	11.238110	0.0000000
Bin	X1 - X4	0	33.481948	2.608197	60	12.837199	0.0000000
Bin	X2 - X3	0	6.115569	2.149165	60	2.845556	0.0300428
Bin	X2 - X4	0	13.124285	2.459931	60	5.335224	0.0000090
Bin	X3 - X4	0	7.008715	2.304046	60	3.041916	0.0178297

D1 - FE Linear contrasts (i.e. contrast for slopes)

Figure 2.Slope-E1: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 61	5.09	0.28	.005	.599

Figure 2.Slope-E2: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 61	5.13	0.72	.012	.399

Figure 2.Slope-E3: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 61	3.98	1.03	.017	.315

D2. Between-session Extinction

Figure 2-D2: Between session FE Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 60	801.65	1.33	.016	.253
Exp_Type	1.92, 115.35	152.49	33.79 ***	.131	<.001
Contingency:Exp_Type	1.92, 115.35	152.49	0.91	.004	.401

Figure 2-D2, Simple Contrasts for FE Session

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Exp_Type	E1 - E2	0	6.352998	2.056173	60	3.089720	0.0084092
Exp_Type	E1 - E3	0	17.654235	2.383991	60	7.405328	0.0000000
Exp_Type	E2 - E3	0	11.301237	2.070891	60	5.457187	0.0000029

E. Extinction Recall

```
## Warning: Missing values for 32 ID(s), which were removed before analysis:
## B6_F_29_01, B6_F_70_L1, B6_F_70_L2, B6_F_70_R1, B6_F_70_R2, B6_F_71_L1, B6_F_71_L2,
## B6_F_71_R1, B6_F_71_R2, B6_F_72_L1, ... [showing first 10 only]
## Below the first few rows (in wide format) of the removed cases with missing data.
##           id Contingency      ER SR
## # 1  B6_F_29_01          050 43.9675 NA
## # 10 B6_F_70_L1          050 83.4325 NA
## # 11 B6_F_70_L2          050 68.0675 NA
## # 12 B6_F_70_R1          050 51.8650 NA
## # 13 B6_F_70_R2          050 58.1325 NA
## # 14 B6_F_71_L1          100 58.7350 NA
```

Figure 2E: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 21	472.18	4.90 *	.149	.038

Effect	df	MSE	F	ges	p.value
Exp_Type	1, 21	154.83	52.01 ***	.379	<.001
Contingency:Exp_Type	1, 21	154.83	1.68	.019	.209

END of Fig 2

```
rm(list=(ls()))
```

Fig 3. Lower US strength (0.3mA) & partial reinforcement alter fear learning but do not affect fear extinction.

B. Fear Acquisition



B1. Within-session FC

Figure 3.B1: Main FX within-session FC1

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	215.16	0.95	.032	.401
CS	1.90, 39.94	198.18	75.96 ***	.697	<.001
Contingency:CS	3.80, 39.94	198.18	1.64	.091	.185

Figure 3 - B1, FC1: Simple contrasts for CS

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
CS	tone.01 - tone.02	0	-27.56125	3.567046	21	-7.726632	0.0000004
CS	tone.01 - tone.03	0	-48.70458	3.936247	21	-12.373356	0.0000000
CS	tone.02 - tone.03	0	-21.14333	4.346757	21	-4.864162	0.0002347

Figure 3 - B1, FC1: Simple for Contingency

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Contingency	Contingency10 - Contingency100	0	-5.827083	4.23435	21	-1.3761458	0.3709472

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Contingency	Contingency10 - Contingency50	0	-2.455000	4.23435	21	-0.5797820	0.8322915
Contingency	Contingency100 - Contingency50	0	3.372083	4.23435	21	0.7963638	0.7092989

Figure 3 - B1, FC2: Main FX within-session FC2

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	801.85	5.77 *	.223	.010
CS	1.72, 36.08	428.60	15.27 ***	.258	<.001
Contingency:CS	3.44, 36.08	428.60	2.62 +	.107	.059

Figure 3 - B1, FC2: Simple contrasts for CS

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
CS	tone.01 - tone.02	0	-30.00542	6.208219	21	-4.833176	0.0002524
CS	tone.01 - tone.03	0	-20.27667	5.923943	21	-3.422833	0.0069168
CS	tone.02 - tone.03	0	9.72875	4.291684	21	2.266884	0.0830314

Figure 3 - B1, FC2: Simple for Contingency

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Contingency	Contingency10 - Contingency100	0	-27.61750	8.174409	21	-3.378532	0.0076560
Contingency	Contingency10 - Contingency50	0	-11.30083	8.174409	21	-1.382465	0.3677426
Contingency	Contingency100 - Contingency50	0	16.31667	8.174409	21	1.996067	0.1378738

B2 - Between-session FC

Figure 3.B2: Main FX between-sessions FC

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	146.92	8.46 **	.328	.002

Effect	df	MSE	F	ges	p.value
Exp_Type	1, 21	95.23	84.34 ***	.612	<.001
Contingency:Exp_Type	2, 21	95.23	5.47 *	.170	.012

Figure 3 - B2: Simple for Contingency

Exp_Type	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
FC1	Contingency	Contingency10 - Contingency100	0	-4.511833	4.248125	21	-1.0620763	0.5473008
FC1	Contingency	Contingency10 - Contingency50	0	4.201917	4.248125	21	0.9891226	0.5916074
FC1	Contingency	Contingency100 - Contingency50	0	8.713750	4.248125	21	2.0511989	0.1247483
FC2	Contingency	Contingency10 - Contingency100	0	-27.344750	6.518412	21	-4.1950017	0.0011383
FC2	Contingency	Contingency10 - Contingency50	0	-7.055583	6.518412	21	-1.0824083	0.5350890
FC2	Contingency	Contingency100 - Contingency50	0	20.289167	6.518412	21	3.1125934	0.0139776

Figure 3 - B2: Simple for FC Session

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	p.value
10	Exp_Type	FC1 - FC2	0	-14.50708	4.879259	21	-2.973214	0.0072520
100	Exp_Type	FC1 - FC2	0	-37.34000	4.879259	21	-7.652801	0.0000002
50	Exp_Type	FC1 - FC2	0	-25.76458	4.879259	21	-5.280429	0.0000310

C. FC Recall

Figure 3C: Main FX FC Recall

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	361.13	6.60 **	.289	.006
Exp_Type	1, 21	198.15	0.92	.015	.349
Contingency:Exp_Type	2, 21	198.15	3.73 *	.112	.041

Figure 3.C: Simple contrasts for Contingency

Exp_Type	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
E1	Contingency	Contingency10 - Contingency100	0	-20.249063	9.865705	21	-2.0524699	0.1244584
E1	Contingency	Contingency10 - Contingency50	0	-26.220938	9.865705	21	-2.6577865	0.0375887
E1	Contingency	Contingency100 - Contingency50	0	-5.971875	9.865705	21	-0.6053166	0.8187892
FC2	Contingency	Contingency10 - Contingency100	0	-27.344750	6.518412	21	-4.1950017	0.0011383
FC2	Contingency	Contingency10 - Contingency50	0	-7.055583	6.518412	21	-1.0824083	0.5350890
FC2	Contingency	Contingency100 - Contingency50	0	20.289167	6.518412	21	3.1125934	0.0139776

Figure 3.C: Simple contrasts for CS-epoch

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	p.value
10	Exp_Type	E1 - FC2	0	-0.1344167	7.038335	21	-0.0190978	0.9849434
100	Exp_Type	E1 - FC2	0	-7.2301042	7.038335	21	-1.0272464	0.3159921
50	Exp_Type	E1 - FC2	0	19.0309375	7.038335	21	2.7038978	0.0132945

D. Extinction acquisition

D1 - Within-session FE

Figure 3.D1: Main FX within session E1

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	1961.87	1.51	.103	.244
Bin	2.24, 46.97	217.10	12.81 ***	.108	<.001
Contingency:Bin	4.47, 46.97	217.10	0.94	.017	.459

Figure 3 - D1, E1: Simple contrasts for CS-bin

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Bin	X1 - X2	0	10.871806	2.518276	21	4.317162	0.0016044
Bin	X1 - X3	0	15.268194	4.317743	21	3.536152	0.0097623
Bin	X1 - X4	0	22.165000	4.478708	21	4.948972	0.0003663
Bin	X2 - X3	0	4.396389	3.615664	21	1.215928	0.6239351
Bin	X2 - X4	0	11.293194	3.216936	21	3.510544	0.0103454
Bin	X3 - X4	0	6.896806	3.529611	21	1.953985	0.2368239

Figure 1.D1: Main FX within session E2

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	1771.19	0.76	.050	.479
Bin	2.21, 46.39	300.45	5.71 **	.069	.005
Contingency:Bin	4.42, 46.39	300.45	2.69 *	.065	.038

Figure 3 - D1, E2: Simple contrasts for Contingency

Bin	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
X1	Contingency	Contingency10 - Contingency100	0	-0.7833333	12.22277	21	-0.0640880	0.9977384
X1	Contingency	Contingency10 - Contingency50	0	-31.5066667	12.22277	21	-2.5777023	0.0444377

Bin	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
X1	Contingency	Contingency100 - Contingency50	0	-30.7233333	12.22277	21	-2.5136143	0.0507187
X2	Contingency	Contingency10 - Contingency100	0	4.9150000	14.10460	21	0.3484680	0.9354601
X2	Contingency	Contingency10 - Contingency50	0	0.3258333	14.10460	21	0.0231012	0.9997058
X2	Contingency	Contingency100 - Contingency50	0	-4.5891667	14.10460	21	-0.3253668	0.9434708
X3	Contingency	Contingency10 - Contingency100	0	-8.1775000	12.61511	21	-0.6482305	0.7953789
X3	Contingency	Contingency10 - Contingency50	0	-12.4550000	12.61511	21	-0.9873079	0.5927167
X3	Contingency	Contingency100 - Contingency50	0	-4.2775000	12.61511	21	-0.3390774	0.9387735
X4	Contingency	Contingency10 - Contingency100	0	-9.0333333	10.06246	21	-0.8977264	0.6476371
X4	Contingency	Contingency10 - Contingency50	0	-6.4462500	10.06246	21	-0.6406239	0.7995897
X4	Contingency	Contingency100 - Contingency50	0	2.5870833	10.06246	21	0.2571026	0.9642785

Figure 3 - D1, E2: Simple contrasts for CS-bin

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
10	Bin	X1 - X2	0	-7.3266667	5.577496	21	-1.3136121	0.5647984
10	Bin	X1 - X3	0	7.3383333	6.255577	21	1.1730866	0.6498070
10	Bin	X1 - X4	0	11.1066667	7.490527	21	1.4827616	0.4649706

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
10	Bin	X2 - X3	0	14.6650000	7.022048	21	2.0884220	0.1893488
10	Bin	X2 - X4	0	18.4333333	9.891102	21	1.8636279	0.2732719
10	Bin	X3 - X4	0	3.7683333	7.640226	21	0.4932228	0.9597351
100	Bin	X1 - X2	0	-1.6283333	5.577496	21	-0.2919470	0.9910776
100	Bin	X1 - X3	0	-0.0558333	6.255577	21	-0.0089254	0.9999997
100	Bin	X1 - X4	0	2.8566667	7.490527	21	0.3813706	0.9806101
100	Bin	X2 - X3	0	1.5725000	7.022048	21	0.2239375	0.9959129
100	Bin	X2 - X4	0	4.4850000	9.891102	21	0.4534379	0.9682202
100	Bin	X3 - X4	0	2.9125000	7.640226	21	0.3812060	0.9806342
50	Bin	X1 - X2	0	24.5058333	5.577496	21	4.3936979	0.0013415
50	Bin	X1 - X3	0	26.3900000	6.255577	21	4.2186358	0.0020197
50	Bin	X1 - X4	0	36.1670833	7.490527	21	4.8283760	0.0004853
50	Bin	X2 - X3	0	1.8841667	7.022048	21	0.2683215	0.9930342
50	Bin	X2 - X4	0	11.6612500	9.891102	21	1.1789637	0.6462672
50	Bin	X3 - X4	0	9.7770833	7.640226	21	1.2796851	0.5853066

Figure 1.D1: Main FX within session E3

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	1087.06	0.33	.022	.722
Bin	2.32, 48.73	184.28	7.90 ***	.096	<.001
Contingency:Bin	4.64, 48.73	184.28	1.16	.030	.342

Figure 3 - D1, E3: Simple contrasts for CS-bin

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Bin	X1 - X2	0	11.350000	3.425502	21	3.3133825	0.0161053
Bin	X1 - X3	0	13.487083	3.769036	21	3.5783909	0.0088693
Bin	X1 - X4	0	15.179583	4.492424	21	3.3789295	0.0139136

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Bin	X2 - X3	0	2.137083	2.590841	21	0.8248609	0.8420724
Bin	X2 - X4	0	3.829583	3.024840	21	1.2660450	0.5935684
Bin	X3 - X4	0	1.692500	3.048187	21	0.5552481	0.9440763

D1 - FE Linear contrasts (i.e. contrast for slopes)

Figure 3.Slope-E1: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	5.58	1.54	.128	.238

Figure 3.Slope-E2: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	5.93	4.33 *	.292	.027

Figure 3.D1-E2: Simple Contrasts by Contingency

contrast	estimate	SE	df	t.ratio	p.value
Contingency10 - Contingency100	1.112343	1.217213	21	0.9138436	0.6377530
Contingency10 - Contingency50	-2.392845	1.217213	21	-1.9658388	0.1455398
Contingency100 - Contingency50	-3.505188	1.217213	21	-2.8796824	0.0233718

Figure 3.Slope-E3: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	4.51	1.32	.112	.289

D2. Between-session Extinction

Figure 1.D2: Between-session FE, Main FX

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	902.00	0.94	.063	.408
Exp_Type	1.61, 33.71	188.78	12.76 ***	.133	<.001

Effect	df	MSE	F	ges	p.value
Contingency:Exp_Type	3.21, 33.71	188.78	1.07	.025	.380

Figure 3 - D2: Simple contrasts for FE Day

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Exp_Type	E1 - E2	0	9.555035	3.321942	21	2.876340	0.0235423
Exp_Type	E1 - E3	0	17.939028	4.320484	21	4.152087	0.0012597
Exp_Type	E2 - E3	0	8.383993	2.859560	21	2.931917	0.0208527

E. Extinction Recall

Figure 3e: FE recall Main FX

Effect	df	MSE	F	ges	p.value
Contingency	2, 21	345.52	11.31 ***	.351	<.001
Exp_Type	1, 21	344.32	6.42 *	.132	.019
Contingency:Exp_Type	2, 21	344.32	0.02	.001	.976

Figure 3E: Simple contrasts for Contingency

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Contingency	Contingency10 - Contingency100	0	-2.321875	6.571941	21	-0.3533013	0.9337246
Contingency	Contingency10 - Contingency50	0	-28.159531	6.571941	21	-4.2848122	0.0009208
Contingency	Contingency100 - Contingency50	0	-25.837656	6.571941	21	-3.9315109	0.0021179

END Fig 3

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rm(list=(ls()))
```

Fig 4 B-C: Reducing the number of Fear Conditioning Sessions to 1

B. Fear Acquisition

B1. Within-session FC

Figure 4.B1: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 19	670.90	3.73 +	.077	.068
CS	1.99, 37.84	453.92	28.43 ***	.462	<.001
Contingency:CS	1.99, 37.84	453.92	3.30 *	.091	.048

Figure 4B1: Simple contrasts for Contingency

CS	term	contrast	null.value	estimate	std.error	df	statistic	p.value
tone.01	Contingency	Contingency100	0	6.435278	3.33422	19	1.930070	0.0686640
		- Contingency50						
tone.02	Contingency	Contingency100	0	-26.055278	11.89503	19	-2.190434	0.0411668
		- Contingency50						
tone.03	Contingency	Contingency100	0	-18.611389	12.39359	19	-1.501695	0.1496133
		- Contingency50						

Figure 4B1: Simple contrasts for CS

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
100	CS	tone.01 - tone.02	0	-14.14778	9.804178	19	-1.443035	0.3397674
100	CS	tone.01 - tone.03	0	-37.03667	9.911037	19	-3.736911	0.0038084
100	CS	tone.02 - tone.03	0	-22.88889	10.341542	19	-2.213296	0.0944878
50	CS	tone.01 - tone.02	0	-46.63833	8.490668	19	-5.492894	0.0000762
50	CS	tone.01 - tone.03	0	-62.08333	8.583210	19	-7.233114	0.0000021

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
50	CS	tone.02 - tone.03	0	-15.44500	8.956038	19	-1.724535	0.2221023

B2 - Between-session FC

Figure 4.B2: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 19	480.48	3.49 +	.155	.077

C. Extinction acquisition

C - Within-session FE

Figure 4.D1-E1: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 19	1092.37	1.99	.062	.174
Bin	2.71, 51.51	236.96	3.48 *	.064	.026
Contingency:Bin	2.71, 51.51	236.96	1.50	.028	.227

Figure 4C: Simple contrasts for CS-bin

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Bin	X1 - X2	0	4.690787	4.164746	19	1.126308	0.6782908
Bin	X1 - X3	0	6.449630	4.041055	19	1.596026	0.4042547
Bin	X1 - X4	0	14.452361	4.320856	19	3.344791	0.0164204
Bin	X2 - X3	0	1.758843	5.303102	19	0.331663	0.9870169
Bin	X2 - X4	0	9.761574	5.024031	19	1.942976	0.2441071
Bin	X3 - X4	0	8.002731	4.383689	19	1.825570	0.2925170

C - FE Linear contrasts (i.e. contrast for slopes)

- Contingency: here we used CR for 100% and PR for 50%
- IPE: whether or not animals received interpolated extinction (yes [Y] or no [N])

Figure 4.Slope-E1: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 19	4.54	0.99	.050	.332

END Fig 4 B-C

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rm(list=(ls()))
```

Fig 4 E-F. Testing effect of interpolated extinction on FE

E. FC Acquisition



E1 - Within-session FC

Figure 4.E1: FC1 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 38	512.80	0.75	.007	.393
IPE	1, 38	512.80	5.07 *	.048	.030
Contingency:IPE	1, 38	512.80	2.93 +	.028	.095
CS	1.83, 69.48	456.62	62.87 ***	.506	<.001
Contingency:CS	1.83, 69.48	456.62	5.24 **	.079	.009
IPE:CS	1.83, 69.48	456.62	1.29	.021	.279
Contingency:IPE:CS	1.83, 69.48	456.62	0.76	.012	.460

Figure E - FC!: Simple contrasts for Contingency

CS	term	contrast	null.value	estimate	std.error	df	statistic	p.value
tone.01	Contingency	CR - PR	0	1.117000	1.343419	38	0.8314606	0.4109079
tone.02	Contingency	CR - PR	0	8.091546	7.872233	38	1.0278590	0.3105147
tone.03	Contingency	CR - PR	0	-19.678045	8.054006	38	-2.4432619	0.0193122

Figure E - FC!: Simple contrasts for Contingency

Contingency	term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
CR	CS	tone.01 - tone.02	0	-30.55000	5.881189	38	-5.194528	0.0000212
CR	CS	tone.01 - tone.03	0	-39.59950	6.012097	38	-6.586637	0.0000003
CR	CS	tone.02 - tone.03	0	-9.04950	7.382494	38	-1.225805	0.4455786
PR	CS	tone.01 - tone.02	0	-23.57545	5.607494	38	-4.204277	0.0004416
PR	CS	tone.01 - tone.03	0	-60.39455	5.732310	38	-10.535814	0.0000000
PR	CS	tone.02 - tone.03	0	-36.81909	7.038932	38	-5.230778	0.0000189

Figure 4.E1: FC2 Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 38	1175.86	2.13	.024	.152
IPE	1, 38	1175.86	1.35	.015	.253
Contingency:IPE	1, 38	1175.86	0.46	.005	.502
CS	1.95, 73.92	762.45	0.94	.014	.393
Contingency:CS	1.95, 73.92	762.45	0.61	.009	.541
IPE:CS	1.95, 73.92	762.45	0.75	.011	.474
Contingency:IPE:CS	1.95, 73.92	762.45	0.32	.005	.719

E2 - Between-session FC

Figure 4.E2: Main FX

Effect	df	MSE	F	ges	p.value
Contingency	1, 38	348.42	3.82 +	.063	.058
IPE	1, 38	348.42	0.27	.005	.605
Contingency:IPE	1, 38	348.42	1.16	.020	.288

Effect	df	MSE	F	ges	p.value
Exp_Type	1, 38	175.29	75.75 ***	.400	<.001
Contingency:Exp_Type	1, 38	175.29	0.06	<.001	.809
IPE:Exp_Type	1, 38	175.29	7.65 **	.063	.009
Contingency:IPE:Exp_Type	1, 38	175.29	0.26	.002	.612

Figure 4.E2: Simple contrasts for IPE

contrast	Exp_Type	estimate	SE	df	t.ratio	p.value
N - Y	FC1	10.129030	4.14483	38	2.443775	0.0192886
N - Y	FC2	-5.869424	5.72808	38	-1.024676	0.3119953

Figure 4.E2: Simple contrasts for FC Session

contrast	IPE	estimate	SE	df	t.ratio	p.value
FC1 - FC2	N	-17.17403	4.090466	38	-4.198551	0.000156
FC1 - FC2	Y	-33.17248	4.090466	38	-8.109708	0.000000

Figure 4.E2: Simple contrasts for IPE

Exp_Type	term	contrast	null.value	estimate	std.error	df	statistic	p.value
FC1	IPE	N - Y	0	10.129030	4.14483	38	2.443775	0.0192886
FC2	IPE	N - Y	0	-5.869424	5.72808	38	-1.024676	0.3119953

Figure 4.E2: Simple contrasts for FC Session

IPE	term	contrast	null.value	estimate	std.error	df	statistic	p.value
N	Exp_Type	FC1 - FC2	0	-17.17403	4.090466	38	-4.198551	0.000156
Y	Exp_Type	FC1 - FC2	0	-33.17248	4.090466	38	-8.109708	0.000000

F. Within-Session Extinction

Figure 4.F1: Main FX

Effect	df	MSE	F	ges	p.value
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Effect	df	MSE	F	ges	p.value
Contingency	1, 32	845.53	0.85	.015	.365
IPE	1, 32	845.53	4.96 *	.085	.033
Contingency:IPE	1, 32	845.53	0.17	.003	.680
Bin	2.67, 85.53	214.32	18.23 ***	.187	<.001
Contingency:Bin	2.67, 85.53	214.32	0.79	.010	.490
IPE:Bin	2.67, 85.53	214.32	0.60	.008	.596
Contingency:IPE:Bin	2.67, 85.53	214.32	1.05	.013	.371

Figure 4.F1: Simple contrasts for CS bin

term	contrast	null.value	estimate	std.error	df	statistic	adj.p.value
Bin	X1 - X2	0	12.725660	2.910135	32	4.372876	0.0006716
Bin	X1 - X3	0	19.060595	3.843294	32	4.959442	0.0001264
Bin	X1 - X4	0	23.068171	3.603750	32	6.401157	0.0000020
Bin	X2 - X3	0	6.334935	3.477184	32	1.821858	0.2820092
Bin	X2 - X4	0	10.342511	3.018578	32	3.426286	0.0087627
Bin	X3 - X4	0	4.007576	3.086570	32	1.298391	0.5706331

END