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October 2, 1998

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RE: Protocol 1613-002 - A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Sponsor's Study Number: 7757A210-1096-25F

Dear Ms. Jarabek:

We have addressed most of your questions in our previous fax. Below is an update on the status of the remaining outstanding items for the above referenced study.

1. All of the motor activity count data was reanalyzed by Dr. Simon Mats, our statistician at our sister laboratory in Worcester, MA. He can be reach at (508) 890-0908 for further clarification. Counts for each time block for each treatment group for each male and each female on each testing days were combined. When the first MANOVA was performed (APPENDIX 1) there was a significant effect for DAY (of testing) and BLOCK (5 minute intervals) but not for GROUP (dosage) or SEX (gender). Dr. Mats then performed additional MANOVA and Univariate tests to probe for interactions (APPENDIX 2). These analysis indicated there was only a significant block by sex interaction on testing Day 22. If you look at the MANOVA and Univariate analyses for testing DAY 14, there is only a significant effect for BLOCK, and not for BLOCK x GROUP, BLOCK x SEX, nor BLOCK x GROUP x SEX.

   I spoke to Dr. Mats regarding Dr. Crofton's concern that the total counts for Group V were 95% higher than Group I total counts on DAY 14, but the increase was not significant. He indicated that the variation in the data sets probably was

the cause but this would be inappropriate analysis anyway because the data had already been analyzed by each time block and should not be collapsed.

2. Historical control data for motor activity will be provided this week because we have two recently completed studies that need to be added to the historical control data (APPENDIX 3).

3. The F1 generation body weight data has been separated into pre-weaning and post-weaning graphs and error bars included (APPENDIX 4).

Sincerely,

for Raymond G. York, Ph.D., DABT
Associate Director of Research
and Study Director

RGY:gyb
Enc.

APPENDIX 1
MOTOR ACTIVITY REANALYSIS -1

1

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24	N25	N26	N27	N28	N29	N30	N31	N32	N33	N34	N35
1	F	1	1702	45	58	4	4	39	65	33	2	0	1	1	1	1	1	1	0	0	0	0	0	3	0	0	1	6	8	26	35	26	0	1	5	2	9	0
2	F	1	1708	1	5	43	46	42	38	10	8	1	4	3	0	7	4	0	1	5	4	0	0	0	0	5	15	42	83	34	22	69	55	68	55	73	86	63
3	F	1	1722	33	58	62	29	6	7	3	5	4	8	0	5	8	22	56	50	10	6	56	49	39	30	85	43	69	64	52	9	70	65	75	59	44	71	63
4	F	1	1731	34	17	6	0	5	1	1	0	0	1	0	0	3	8	0	2	3	19	95	75	78	82	97	85	76	75	80	80	84	73	63	66	76	75	83
5	F	1	1736	0	0	5	0	0	0	1	1	3	2	3	0	8	4	3	0	1	0	6	6	0	1	1	0	0	0	2	10	9	4	0	0	3	2	0
6	F	1	1747	32	71	37	65	2	4	2	0	0	3	2	1	2	0	1	5	3	0	4	9	0	0	0	3	6	12	6	0	0	0	1	0	0	0	0
7	F	1	1750	2	5	0	0	7	19	27	16	6	5	3	5	2	4	3	2	2	7	78	59	59	77	72	50	76	60	36	53	45	48	53	51	31	1	2
8	F	1	1757	34	45	67	64	40	56	33	1	0	1	2	0	2	2	1	8	4	7	2	20	2	23	9	0	0	0	0	0	1	1	0	0	2	0	0
9	F	1	1762	26	43	57	51	48	3	20	72	45	22	43	5	13	1	1	3	1	1	64	77	67	73	74	79	46	71	76	59	81	76	74	66	90	69	80
10	F	1	1767	14	9	11	26	4	4	4	16	7	8	8	9	7	15	6	3	15	7	60	56	59	63	47	63	60	72	59	54	41	69	59	69	72	68	66
11	F	1	1768	60	82	90	74	88	66	45	61	70	90	59	85	87	1	45	77	83	64	50	25	6	0	1	0	2	0	0	0	0	0	1	0	0	1	0
12	F	1	1770	44	62	31	45	0	3	8	10	3	3	0	1	1	6	4	2	2	0	58	31	12	3	0	2	59	49	38	31	49	17	1	0	1	0	0
13	F	1	1772	47	60	63	45	45	33	8	1	1	2	1	4	4	6	3	3	1	5	35	19	24	34	45	33	66	25	9	0	0	4	0	3	9	0	3
14	F	1	1777	70	60	30	65	67	38	57	58	54	41	25	69	41	9	0	3	0	0	63	46	43	6	3	16	20	6	1	2	6	0	0	0	1	2	0
15	F	1	1781	42	26	0	9	4	15	15	3	10	5	3	8	5	30	6	3	5	3	63	77	58	29	91	11	0	0	2	1	3	2	1	0	2	7	4
16	F	1	1785	93	93	79	89	78	69	73	1	7	3	2	1	7	16	11	3	7	3	53	37	40	52	58	17	1	0	4	0	22	65	72	70	35	6	60
17	F	1	1786	61	59	77	48	44	64	34	62	49	77	44	29	70	41	55	52	37	44	18	23	26	16	5	41	26	41	0	44	24	0	0	1	1	0	0
18	F	1	1790	30	57	73	39	21	0	25	71	85	68	69	55	47	7	73	71	91	87	19	9	60	7	0	4	53	36	33	23	39	24	34	69	52	1	0
19	F	1	1794	6	42	17	6	43	33	0	1	6	3	5	2	3	0	1	1	6	6	32	54	64	7	0	0	0	0	1	9	0	2	1	0	1	3	3
20	F	1	1796	19	5	3	38	26	6	3	3	0	14	5	4	20	0	1	3	0	4	45	43	9	27	60	0	3	0	0	0	4	2	0	0	0	1	6
21	F	2	1705	26	49	46	50	39	54	17	12	59	58	51	6	2	2	2	8	2	4	35	65	60	61	71	80	76	60	69	13	1	1	2	0	0	2	2
22	F	2	1706	17	0	22	12	0	1	3	3	4	2	2	3	8	1	0	0	3	0	59	35	59	70	55	50	45	16	58	66	1	0	0	1	0	0	0
23	F	2	1711	21	63	66	36	2	22	6	2	0	0	1	2	0	5	0	0	1	0	61	61	76	57	23	62	48	67	56	55	53	60	1	25	51	59	45
24	F	2	1712	12	7	0	0	4	1	1	0	0	2	0	1	0	0	0	0	2	0	2	0	0	0	0	0	1	3	0	0	0	2	0	0	0	1	1
25	F	2	1713	9	41	36	16	0	28	22	33	1	6	4	1	10	2	5	7	6	12	0	0	0	1	1	0	0	0	2	0	1	0	2	0	0	1	0

OBS	N36	N37	N38	N39	N40	N41	N42	N43	N44	N45	N46	N47	N48	N49	N50	N51	N52	N53	N54	N55	N56	N57	N58	N59	N60	N61	N62	N63	N64	N65	N66	N67	N68	N69	N70	N71	N72
1	0	55	3	9	14	0	0	0	0	5	0	1	5	0	4	0	3	0	4	68	62	60	65	41	48	55	28	51	64	57	27	1	3	64	54	54	50
2	65	25	26	0	0	0	0	2	0	25	34	63	51	14	38	32	0	0	64	62	65	64	61	73	53	44	41	6	1	1	0	1	1	28	57	52
3	69	50	49	35	0	0	41	14	2	0	0	6	5	19	38	20	55	46	50	69	60	71	76	71	79	74	62	68	53	51	53	25	2	0	0	0	0
4	76	56	33	21	32	19	64	16	0	0	0	4	52	70	48	7	33	23	0	70	81	70	67	80	73	44	18	1	36	55	60	69	15	2	9	3	2
5	0	56	30	22	0	27	36	28	3	0	0	0	14	0	0	0	2	0	0	69	57	70	53	66	36	30	35	31	0	0	0	0	1	2	2	1	0
6	0	0	6	8	0	0	0	0	0	0	0	0	6	4	0	0	0	0	0	61	64	68	63	33	1	0	2	0	0	1	50	65	35	0	2	1	0
7	5	45	52	28	39	42	18	4	1	15	42	40	0	0	2	0	0	0	2	65	72	75	66	67	71	63	74	81	63	33	3	5	2	2	1	3	61
8	0	19	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	67	59	57	63	70	57	48	57	47	49	50	9	0	0	28	39	59	60
9	80	69	45	11	6	0	0	1	0	1	4	1	0	27	6	1	59	59	34	55	66	69	88	72	73	65	73	74	72	56	42	60	51	49	69	59	64
10	55	65	67	47	17	24	28	47	22	9	2	7	0	1	16	40	61	66	59	62	72	65	69	54	53	71	78	62	51	54	63	68	76	66	66	19	5
11	2	89	23	57	23	0	0	0	0	0	0	1	1	2	0	0	0	1	0	56	79	62	68	55	59	79	53	57	5	0	0	3	0	1	0	0	0
12	0	48	0	20	57	40	0	0	0	0	0	0	0	1	0	0	0	1	0	54	68	69	59	59	60	54	62	55	61	68	46	70	64	65	30	16	0
13	0	59	64	46	28	9	1	0	29	60	30	26	51	40	28	2	0	0	0	58	60	61	58	49	69	45	59	46	41	60	54	40	3	5	0	0	4
14	18	63	25	44	31	2	0	0	0	0	15	54	58	41	56	68	58	8	61	73	60	47	59	55	57	73	40	52	11	14	48	58	58	12	0	0	0
15	0	76	64	33	56	64	18	42	51	8	2	29	74	31	2	1	1	2	3	56	63	61	54	72	56	60	48	58	42	67	59	63	63	40	78	68	61
16	72	55	70	62	57	58	12	1	0	22	0	4	2	0	0	1	0	0	0	61	60	75	59	39	60	63	59	83	56	65	59	63	65	80	27	13	0
17	8	54	66	43	60	59	44	0	0	0	0	4	1	0	5	4	2	4	2	66	64	52	64	58	69	71	62	67	72	66	62	25	0	5	23	77	59
18	0	17	32	43	0	20	0	0	9	71	60	1	28	0	0	0	15	56	66	81	64	70	82	66	64	48	23	29	59	64	64	65	50	33	6	31	61
19	11	43	48	5	85	13	0	14	44	0	0	0	0	0	0	0	0	0	1	58	55	74	61	48	55	46	25	31	67	42	29	2	0	8	0	5	0
20	36	58	46	55	24	35	5	39	67	15	0	1	2	0	0	0	1	39	64	51	54	65	50	59	61	65	50	36	64	54	36	0	1	32	58	52	33
21	0	73	66	34	53	42	32	31	0	0	29	42	9	53	19	0	0	3	0	68	55	68	53	61	61	53	35	0	0	0	3	1	1	1	27	41	6
22	0	78	41	66	39	52	22	46	55	27	50	61	54	2	0	1	7	0	0	68	65	88	72	79	62	81	52	0	2	2	23	72	81	50	55	2	4
23	0	52	41	33	3	0	1	5	3	7	4	13	51	29	1	0	3	0	0	43	37	63	55	60	67	56	52	59	51	34	29	69	62	50	48	64	19
24	0	6	10	4	0	0	1	2	2	0	0	0	1	0	0	6	15	41	0	64	72	76	68	77	64	60	69	64	73	29	54	34	7	0	0	0	28
25	0	16	0	0	6	20	0	0	0	0	0	2	1	0	3	0	0	1	1	58	57	67	70	73	57	16	0	3	1	6	53	71	59	57	21	1	2

2

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24	N25	N26	N27	N28	N29	N30	N31	N32	N33	N34	N35
26	F	2	1718	60	79	72	86	46	56	76	15	0	10	2	4	3	3	3	0	4	6	38	39	63	44	44	83	80	5	0	0	0	0	0	1	2	0	0
27	F	2	1734	40	38	50	39	1	2	33	64	43	3	7	39	28	3	5	6	22	3	57	23	14	3	10	6	7	1	4	0	4	14	83	82	75	77	79
28	F	2	1746	23	29	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	13	5	2	56	42	70	50	12	64	63	52	9	1	7	0	0	0
29	F	2	1753	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	30	12	0	2	0	2	3	1	1	2	2	2	0	1	7	0	0
30	F	2	1755	20	22	42	67	48	35	14	66	25	3	25	45	45	10	5	2	2	5	66	54	61	46	62	27	1	17	52	8	2	4	4	2	0	3	2
31	F	2	1756	43	65	14	4	0	23	7	26	15	4	0	3	2	0	3	2	3	0	15	21	7	12	0	0	3	1	3	0	2	3	0	2	4	2	2
32	F	2	1760	74	59	44	14	1	0	1	2	10	3	6	19	46	10	8	54	5	33	47	42	43	62	71	61	3	1	1	3	2	0	1	3	3	0	2
33	F	2	1763	2	17	32	55	55	0	49	81	52	65	16	76	59	46	67	51	4	6	53	50	65	65	57	58	45	17	0	0	35	59	48	62	54	38	4
34	F	2	1769	1	0	7	23	30	45	1	0	2	1	0	0	1	2	0	2	3	8	71	70	35	27	0	0	0	2	0	0	0	0	0	0	1	0	2
35	F	2	1771	38	32	31	14	1	3	1	7	5	5	3	6	8	12	8	4	2	2	19	38	11	5	1	0	2	0	3	6	0	8	1	1	2	2	3
36	F	2	1775	24	37	39	52	0	27	67	40	1	0	1	1	5	3	6	1	5	2	4	0	16	35	3	0	0	0	0	1	1	0	0	2	0	0	0
37	F	2	1779	9	21	33	44	30	55	10	4	24	56	10	1	1	0	0	3	0	1	60	29	1	0	0	1	24	15	53	49	43	0	1	0	5	0	2
38	F	2	1782	79	58	49	75	59	57	79	47	0	1	2	46	59	75	67	38	82	72	52	38	20	4	0	3	49	55	43	53	61	57	76	54	69	60	27
39	F	2	1795	6	18	44	45	25	0	6	0	5	9	0	3	2	2	0	1	6	1	41	65	75	19	1	11	14	66	74	78	32	70	70	18	0	2	1
40	F	2	1800	10	15	3	5	10	1	5	4	8	4	2	0	1	1	1	3	19	12	26	27	24	80	53	30	48	81	26	0	4	1	7	4	3	5	4
41	F	3	1703	26	2	1	1	2	0	2	1	1	3	1	1	1	3	1	2	1	3	39	14	30	72	40	64	44	31	35	47	14	43	1	1	1	2	0
42	F	3	1704	1	0	0	1	1	0	5	7	2	0	1	0	3	1	0	3	0	13	31	24	44	44	29	42	50	38	71	17	67	69	1	2	4	0	1
43	F	3	1709	17	0	0	4	2	3	1	2	1	1	8	3	1	14	3	9	42	52	50	77	53	79	84	83	36	29	4	0	6	9	4	2	0	0	1
44	F	3	1715	7	28	65	48	22	0	18	58	5	20	53	10	6	5	0	4	5	3	1	13	60	50	46	67	67	36	64	63	29	84	54	63	73	0	38
45	F	3	1716	1	17	13	21	0	0	16	19	2	2	0	2	4	0	2	1	3	2	29	62	64	64	79	53	72	55	58	63	9	0	16	76	40	72	67
46	F	3	1717	48	52	48	52	64	5	63	86	35	5	36	52	91	62	57	1	71	52	43	40	55	39	11	4	2	0	2	0	0	3	3	0	0	10	3
47	F	3	1721	56	7	60	45	2	13	40	10	1	0	0	0	0	0	0	1	0	0	73	69	34	26	71	61	1	0	2	0	1	0	0	0	0	0	6
48	F	3	1725	15	3	16	52	11	8	1	2	5	4	7	0	3	8	0	5	32	56	21	50	48	42	56	14	43	41	3	8	1	0	0	1	2	2	3
49	F	3	1730	29	38	37	37	5	40	65	26	1	5	4	2	1	0	0	0	2	4	57	66	63	71	73	67	69	69	69	76	48	2	1	2	0	2	12
50	F	3	1735	44	25	0	6	19	24	0	2	6	3	0	0	1	2	1	10	2	0	41	33	0	37	34	0	1	0	0	2	0	3	0	0	1	19	47

OBS	N36	N37	N38	N39	N40	N41	N42	N43	N44	N45	N46	N47	N48	N49	N50	N51	N52	N53	N54	N55	N56	N57	N58	N59	N60	N61	N62	N63	N64	N65	N66	N67	N68	N69	N70	N71	N72
26	2	61	14	47	52	13	7	1	1	2	0	0	0	1	0	7	41	50	21	61	74	85	74	72	84	86	88	87	78	83	81	69	1	0	0	32	73
27	75	76	70	8	0	0	3	1	3	2	10	0	1	5	1	8	57	51	0	66	84	88	88	93	70	79	88	77	86	76	80	51	34	1	0	4	5
28	0	55	37	3	0	0	0	0	1	0	1	0	0	4	1	0	0	1	0	74	63	61	50	40	36	36	1	2	0	0	42	64	24	47	7	1	1
29	1	42	2	3	4	3	1	2	2	1	3	3	0	5	1	5	4	0	4	67	60	46	65	58	38	62	28	0	1	0	7	55	30	1	0	1	0
30	1	59	5	0	0	0	4	7	0	6	0	1	0	3	2	0	1	1	1	76	75	74	69	91	75	69	65	52	2	6	0	0	44	77	67	66	5
31	0	46	46	17	0	0	0	0	0	0	0	0	2	0	0	1	7	47	34	75	61	71	42	46	77	71	51	67	63	72	39	19	0	0	0	0	0
32	0	63	77	13	0	0	0	1	3	1	2	2	0	4	2	7	0	6	5	53	59	67	89	88	81	84	77	52	0	11	0	0	0	57	68	67	24
33	5	55	35	31	11	1	0	1	8	1	4	0	35	56	38	45	52	20	19	59	67	72	72	59	55	70	62	76	48	58	73	62	54	52	17	0	0
34	1	85	49	45	53	27	14	1	0	1	0	1	0	1	0	0	3	0	1	78	72	78	83	75	90	74	42	75	78	84	65	2	1	1	29	58	51
35	0	67	46	30	54	40	9	0	1	0	0	0	0	3	0	1	0	1	0	36	58	55	65	50	77	69	43	50	64	65	31	0	0	22	64	14	0
36	0	64	47	65	68	28	4	0	1	2	0	1	5	0	0	5	1	0	0	61	65	65	67	66	65	61	46	57	54	52	48	62	25	25	1	0	0
37	3	15	30	0	0	0	0	0	0	11	28	35	0	22	44	29	8	53	19	75	88	59	74	73	75	69	43	4	1	1	6	54	62	64	46	18	0
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86	1	36	53	46	34	2	22	48	6	0	0	4	0	0	0	0	3	17	4	53	64	50	43	73	60	61	10	1	62	53	62	47	53	67	74	68	44
87	0	59	29	5	1	0	0	3	0	2	0	3	0	1	0	4	0	3	1	66	80	74	67	82	70	82	76	58	69	53	11	0	7	3	0	1	0
88	0	60	35	26	27	20	36	16	0	0	1	0	0	0	1	2	1	4	0	57	69	71	74	84	71	65	65	69	72	74	68	63	78	44	62	52	59
89	3	49	40	4	13	4	2	2	2	0	0	1	1	0	1	0	5	0	0	60	42	47	47	55	55	42	53	64	42	3	1	10	2	43	52	61	32
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93	74	47	66	72	32	77	47	61	65	33	4	3	1	8	3	2	1	3	2	70	71	70	69	70	83	79	57	54	68	65	61	19	3	1	24	73	78
94	18	25	23	14	16	0	0	0	0	0	0	1	4	0	0	1	0	0	0	56	69	77	68	60	40	52	0	0	1	0	28	34	77	33	4	1	1
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101	M	1	1402	7	39	44	5	3	0	3	4	0	5	7	25	8	6	8	0	3	10	37	27	38	42	48	31	25	19	4	24	9	0	6	5	3	2	4
102	M	1	1408	30	38	36	26	44	70	33	45	71	22	10	2	0	2	0	1	1	0	4	0	26	11	2	58	41	4	3	1	0	1	0	0	0	0	3
103	M	1	1422	7	40	42	8	6	5	2	5	3	3	4	8	4	2	3	6	8	4	31	34	24	12	36	65	42	39	10	2	4	2	1	3	1	4	10
104	M	1	1431	38	7	5	3	5	1	4	14	2	0	0	2	2	4	16	13	16	27	56	66	57	68	33	62	72	64	71	43	76	67	39	67	74	41	64
105	M	1	1436	1	17	1	12	30	0	1	1	1	1	1	0	0	3	1	0	1	3	42	22	8	0	0	0	0	0	6	37	13	35	7	0	0	0	2
106	M	1	1447	9	66	53	0	3	0	0	1	1	0	0	21	2	3	3	1	11	12	21	0	11	18	46	2	0	0	2	1	0	1	2	0	0	0	0
107	M	1	1450	0	1	0	0	0	14	36	29	25	2	2	6	2	2	0	3	17	2	47	46	20	28	71	54	41	3	9	58	77	58	56	43	1	5	4
108	M	1	1457	3	3	0	1	1	0	0	2	0	0	1	0	0	0	1	2	1	0	22	36	20	48	19	0	1	0	0	0	0	0	0	1	0	0	0
109	M	1	1462	10	10	5	36	12	16	14	10	0	5	4	2	5	6	46	64	38	82	92	82	72	88	94	86	86	80	85	95	84	86	78	95	73	56	99
110	M	1	1467	42	7	0	7	8	9	11	6	10	3	9	17	19	32	1	7	8	4	86	70	54	48	75	83	56	55	71	0	2	0	0	3	0	1	24
111	M	1	1468	51	67	24	34	35	16	3	3	2	0	4	1	2	2	7	0	4	50	81	69	80	73	74	72	73	87	72	3	0	0	6	3	4	1	1
112	M	1	1470	10	28	6	26	36	29	12	30	4	1	2	1	4	1	4	1	2	2	17	13	52	42	0	0	0	1	1	2	0	2	2	0	0	0	4
113	M	1	1472	3	9	13	34	34	1	0	0	4	0	1	1	4	2	0	1	3	20	68	10	29	0	29	2	0	2	0	0	0	4	0	5	1	0	2
114	M	1	1477	67	26	1	3	10	8	3	2	0	0	3	3	4	1	0	3	11	27	60	44	66	17	26	14	1	6	3	0	3	26	63	14	4	1	0
115	M	1	1481	83	52	65	41	14	24	38	68	54	9	1	2	5	1	2	5	0	3	75	68	70	77	57	87	73	72	59	60	61	70	67	58	71	72	52
116	M	1	1485	33	70	47	1	19	77	71	59	77	3	3	8	5	12	4	3	6	13	78	22	43	70	71	71	43	67	16	5	10	0	4	2	0	13	4
117	M	1	1486	37	64	37	31	0	38	56	65	8	19	57	70	62	34	11	2	2	4	46	58	14	1	0	6	27	63	55	50	2	0	3	4	0	5	0
118	M	1	1490	36	12	19	16	15	10	14	4	2	5	3	0	5	4	1	2	3	1	21	1	21	0	0	9	40	76	86	75	68	9	0	1	0	0	0
119	M	1	1494	13	15	2	1	0	0	1	0	0	0	1	4	7	0	1	1	2	1	1	18	10	0	0	4	0	0	0	4	11	55	36	51	20	0	0
120	M	1	1496	18	23	39	36	40	38	23	40	55	21	6	32	7	3	1	2	2	5	7	0	0	0	7	0	26	2	0	1	0	6	55	52	41	46	62
121	M	2	1405	65	13	10	6	10	18	3	12	4	6	11	0	9	2	11	2	12	9	75	78	29	0	7	7	3	0	3	1	5	0	0	1	0	4	6
122	M	2	1406	6	43	80	64	47	5	5	1	6	5	5	1	7	3	2	0	3	1	76	44	41	46	1	8	2	1	0	4	1	2	0	6	1	0	5
123	M	2	1411	15	26	51	8	9	11	1	2	1	0	0	2	0	0	0	1	0	0	30	69	61	63	22	66	13	65	61	50	16	0	1	0	1	0	2
124	M	2	1412	9	1	0	0	1	0	4	22	2	26	0	4	2	1	0	4	0	3	13	0	0	0	0	0	4	4	0	5	9	5	0	2	0	0	0
125	M	2	1413	1	15	8	1	0	3	58	59	40	47	1	0	30	51	88	64	74	89	41	79	70	86	28	96	80	85	93	79	75	90	79	88	71	63	84

OBS	N13	N23	N33	N43	N44	N54	N64	N74	N84	N94	N104	N114	N124	N135	N145	N155	N165	N175	N185	N195	N205	N215	N226	N236	N246	N256	N266	N276	N286	N296	N306	N316	N327	N337
101	5	47	49	65	17	3	4	3	3	0	0	7	3	1	7	1	0	8	2	57	77	71	67	76	41	40	56	81	56	63	83	66	58	55	61	66	26
102	3	49	62	9	0	0	1	0	0	1	1	16	60	12	54	32	39	3	0	60	77	56	52	54	6	1	0	0	18	70	68	58	61	71	34	47	26
103	0	57	2	64	15	2	0	2	3	3	0	0	0	5	15	26	0	0	0	73	73	59	53	64	68	75	61	59	68	58	63	55	77	61	50	63	84
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116	3	61	68	27	0	0	0	2	0	0	3	2	4	0	2	3	2	6	28	65	64	74	70	64	53	68	57	72	20	14	5	2	0	2	0	18	1
117	2	75	64	32	36	25	50	27	37	0	24	19	60	30	23	0	0	0	0	61	67	63	76	50	69	66	64	71	83	72	68	84	68	53	23	70	50
118	0	74	52	29	4	0	0	21	25	3	6	10	2	6	48	66	75	44	58	52	74	71	46	57	64	71	18	33	27	8	1	2	0	2	2	7	2
119	0	62	48	17	54	42	50	45	52	1	1	11	3	0	0	0	3	0	1	83	73	64	74	61	59	69	62	69	61	55	60	55	37	58	69	52	23
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121	0	64	79	56	74	84	65	4	4	0	2	0	0	0	0	7	54	71	77	66	57	57	62	51	54	74	54	53	44	69	57	64	36	8	1	14	1
122	0	72	44	40	4	0	4	1	0	18	6	3	1	17	56	50	54	5	0	68	73	79	74	70	72	74	62	60	39	3	48	94	62	65	77	78	46
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124	1	72	39	10	52	6	0	2	0	0	0	2	1	0	0	0	2	0	4	59	88	75	79	73	66	60	39	34	54	70	60	30	12	1	0	0	1
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126	M	2	1418	45	22	42	41	4	70	74	64	5	2	2	4	1	0	1	0	0	1	61	42	2	1	0	2	1	28	12	64	38	68	53	0	0	0	1
127	M	2	1434	37	20	58	69	11	8	2	10	19	45	72	44	8	3	4	1	8	0	74	38	59	63	5	3	1	2	4	4	0	1	4	7	2	1	1
128	M	2	1446	7	1	3	1	8	45	31	37	0	1	3	4	0	2	0	0	0	5	54	75	58	65	66	50	54	59	55	56	48	48	74	63	58	57	59
129	M	2	1453	19	29	15	7	16	49	40	4	8	1	7	4	2	1	6	6	5	3	54	49	47	18	45	0	0	0	9	36	62	32	43	9	9	1	8
130	M	2	1455	63	57	57	80	63	0	1	63	10	0	1	11	6	34	10	2	2	11	81	66	75	69	91	86	85	68	96	83	92	96	92	87	57	90	84
131	M	2	1456	16	2	17	4	3	4	3	14	7	1	3	6	8	32	50	28	6	24	53	24	20	11	7	4	1	0	3	4	0	0	5	1	10	0	4
132	M	2	1460	86	80	77	65	2	6	0	3	0	0	1	1	7	4	10	4	3	4	50	55	72	66	0	0	1	3	0	1	0	5	3	0	2	11	0
133	M	2	1463	60	48	67	52	58	58	21	3	56	7	61	45	35	35	10	28	54	15	54	54	52	52	58	21	40	16	1	39	1	5	1	30	60	3	4
134	M	2	1469	51	12	0	0	1	0	0	3	37	82	22	33	25	12	5	12	2	2	81	45	60	35	86	81	47	23	0	3	5	0	1	0	0	3	4
135	M	2	1471	26	33	16	0	7	0	0	0	2	1	3	12	2	2	7	16	58	73	67	56	43	59	6	0	5	1	0	7	3	5	22	47	57	53	41
136	M	2	1475	52	66	48	85	68	57	77	26	0	3	16	30	1	2	1	1	0	1	91	81	59	61	31	3	0	0	0	0	13	51	12	1	2	1	0
137	M	2	1479	3	10	13	0	0	0	2	1	3	5	22	18	10	3	5	2	3	0	52	48	21	0	7	8	42	5	0	0	10	39	39	26	0	0	1
138	M	2	1482	15	4	0	2	2	0	7	12	4	36	19	5	0	7	0	0	0	3	69	87	70	3	5	0	7	2	12	29	57	74	65	53	0	51	24
139	M	2	1495	16	18	24	32	27	1	1	1	0	1	0	2	5	26	5	3	70	48	18	52	79	15	1	57	76	72	55	32	65	0	0	0	0	1	1
140	M	2	1500	43	41	5	55	23	0	6	21	46	3	18	46	0	1	23	48	32	15	32	78	67	71	69	55	65	73	5	2	3	4	0	10	5	7	41
141	M	3	1403	0	0	0	1	0	2	0	0	1	0	0	0	0	0	0	1	0	0	29	12	18	0	0	0	0	0	0	0	0	0	1	0	0	1	0
142	M	3	1404	7	4	19	1	4	0	1	0	0	1	0	1	2	0	2	1	11	14	63	73	64	89	59	90	68	95	61	57	88	53	2	0	2	0	0
143	M	3	1409	21	27	0	27	44	52	4	10	5	3	13	6	2	5	8	0	8	4	44	65	61	69	63	58	63	57	11	28	22	4	1	5	0	5	72
144	M	3	1415	6	10	62	22	21	11	5	5	1	2	0	5	8	0	1	24	27	24	69	70	43	52	82	27	5	4	5	0	1	2	0	1	3	7	1
145	M	3	1416	1	2	9	19	2	0	0	16	4	0	0	0	0	0	0	0	0	0	4	14	11	8	14	16	19	0	11	0	35	39	0	1	0	0	0
146	M	3	1417	36	0	5	27	50	50	3	8	3	8	5	5	1	13	2	2	4	2	45	0	61	11	3	6	1	3	0	1	3	2	7	2	2	2	1
147	M	3	1421	12	2	2	10	2	0	1	0	4	7	0	0	4	15	34	77	71	5	70	65	52	42	5	20	13	5	1	0	0	0	11	54	58	68	64
148	M	3	1425	9	69	20	0	7	4	7	23	6	1	12	1	5	2	20	51	83	80	72	74	67	53	75	58	63	70	59	50	53	1	7	1	2	17	4
149	M	3	1430	0	0	0	5	5	40	40	0	2	2	0	1	6	6	7	5	0	2	7	12	13	49	86	24	1	0	2	1	0	1	0	2	0	0	1
150	M	3	1435	53	40	16	68	34	26	0	4	16	7	5	0	3	5	0	0	3	2	58	31	8	15	0	0	2	0	1	1	0	0	1	2	0	0	8

OBS	N13	N23	N33	N43	N44	N54	N64	N74	N84	N94	N104	N114	N124	N135	N145	N155	N165	N175	N185	N195	N205	N215	N226	N236	N246	N256	N266	N276	N286	N296	N306	N316	N327	N337
126	1	64	70	72	21	65	68	55	22	1	0	0	0	0	42	86	52	74	70	86	67	69	76	65	61	87	72	75	81	74	68	62	60	72	31	12	4
127	6	69	63	14	43	74	32	1	3	3	23	42	80	66	71	74	73	0	8	61	62	75	68	80	59	66	69	41	55	71	67	31	41	3	39	67	74
128	75	60	49	41	40	34	55	22	27	33	16	0	2	0	1	1	4	0	1	65	50	62	69	50	74	47	38	15	5	1	4	1	1	5	1	0	3
129	1	62	32	0	14	0	0	1	0	0	0	0	0	1	1	0	0	4	0	45	70	61	67	58	64	67	70	76	69	70	63	62	25	1	0	2	0
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7

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151	M	3	1442	15	4	0	0	5	4	2	1	0	0	0	0	8	33	13	1	3	7	40	9	0	10	7	0	0	0	0	0	0	1	0	2	0	0
152	M	3	1444	55	63	58	73	79	5	2	14	0	1	0	3	5	9	2	1	25	46	83	64	73	65	76	64	28	6	3	1	6	1	0	0	23
153	M	3	1449	52	11	4	33	0	0	6	2	1	0	2	5	1	4	6	0	1	3	5	0	6	3	0	0	0	1	1	1	1	0	4	11	0	0
154	M	3	1454	18	20	43	47	3	0	0	1	1	3	75	59	71	43	5	4	1	4	13	22	45	29	76	20	57	74	40	0	0	5	0	2	8	5
155	M	3	1458	26	41	58	0	11	0	2	1	0	5	12	4	0	3	3	5	2	2	33	11	5	0	1	4	1	0	2	2	3	22	8	0	3	1
156	M	3	1461	58	81	68	60	36	64	53	1	0	2	0	0	0	0	0	0	0	1	20	13	3	0	1	1	0	1	1	1	29	75	95	73	53	83
157	M	3	1480	20	27	77	53	47	8	2	1	0	2	4	1	4	3	2	0	7	9	38	11	81	37	2	13	33	14	56	69	40	76	6	1	4	2
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176	M	4	1474	42	25	47	16	0	25	76	83	16	1	3	4	5	4	0	1	21	49	17	12	42	18	2	1	1	1	4	6	71	94	85	79	44	11
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191	M	5	1448	14	8	1	0	0	0	0	2	0	0	0	0	3	2	2	7	7	3	61	26	13	0	0	1	1	5	2	16	66	63	21	16	2	1
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193	M	5	1466	59	51	17	13	1	11	10	17	29	5	5	8	12	4	1	13	12	65	97	82	77	77	72	66	86	99	72	79	64	71	81	55	2	2
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197	M	5	1488	0	14	4	0	1	8	29	63	55	76	93	86	82	63	2	12	69	70	31	20	22	11	0	5	0	0	0	2	0	2	5	0	0	0
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200	M	5	1498	81	80	69	1	3	22	76	87	87	72	16	2	13	86	95	94	84	14	42	37	7	1	0	2	8	0	0	7	16	60	63	82	77	105

O B S	N 3 5	N 3 6	N 3 7	N 3 8	N 3 9	N 4 0	N 4 1	N 4 2	N 4 3	N 4 4	N 4 5	N 4 6	N 4 7	N 4 8	N 4 9	N 5 0	N 5 1	N 5 2	N 5 3	N 5 4	N 5 5	N 5 6	N 5 7	N 5 8	N 5 9	N 6 0	N 6 1	N 6 2	N 6 3	N 6 4	N 6 5	N 6 6	N 6 7	N 6 8	N 6 9	N 7 0	N 7 1	N 7 2
176	45	30	67	2	11	20	31	0	14	0	2	4	14	12	3	1	0	0	3	1	55	69	76	70	69	52	62	64	63	64	66	66	62	61	90	72	72	66
177	39	8	66	59	29	15	0	0	0	2	1	0	0	1	62	62	54	45	18	43	63	58	69	74	59	68	54	64	77	36	26	1	0	1	19	66	47	13
178	0	1	3	23	0	3	1	0	5	30	3	18	2	0	0	0	1	0	1	0	72	68	73	54	43	27	30	11	12	77	76	43	12	61	45	35	8	52
179	62	7	74	62	49	50	37	10	30	20	7	8	55	30	48	48	72	53	9	1	72	81	67	69	67	68	78	75	26	4	8	3	0	6	0	0	1	0
180	0	8	66	39	55	31	0	3	2	0	10	2	1	0	1	1	0	0	0	1	71	64	60	66	44	66	24	33	70	85	49	61	22	4	5	0	0	0
181	29	58	79	41	36	0	8	0	8	0	3	2	0	0	0	0	0	3	0	34	60	70	62	64	76	47	64	49	66	69	59	55	66	51	53	50	29	58
182	81	70	87	69	58	10	53	59	11	2	5	15	15	3	25	60	69	67	63	36	53	69	70	75	61	72	53	69	75	76	75	87	72	88	77	64	78	68
183	2	2	77	80	63	71	56	2	8	47	66	9	0	18	4	5	0	1	0	0	61	62	72	72	78	83	58	52	60	61	70	59	57	66	76	59	74	38
184	70	31	44	53	43	61	45	41	67	30	28	0	0	1	0	5	1	0	3	1	73	63	65	73	76	64	68	69	73	51	70	67	72	77	40	22	5	0
185	0	3	62	54	34	64	4	7	1	0	3	0	1	0	0	2	0	0	0	0	70	68	69	59	57	61	69	49	32	64	56	59	22	69	25	12	32	0
186	0	5	38	27	14	0	40	52	0	0	0	3	0	7	0	0	2	0	5	52	51	62	57	65	60	78	74	61	37	30	2	2	1	42	51	27	0	0
187	0	10	90	55	47	2	5	6	3	5	0	1	3	7	1	3	0	0	2	41	49	67	55	64	58	43	81	67	47	57	65	78	53	52	50	12	15	30
188	0	4	91	52	96	61	13	0	0	63	53	17	3	0	3	1	0	0	3	0	73	74	66	72	90	65	79	69	56	61	66	53	50	64	92	59	4	3
189	0	0	48	28	17	0	5	1	1	0	2	0	2	12	26	32	51	39	46	37	65	63	65	74	74	80	75	74	72	58	81	73	75	70	69	76	68	43
190	1	81	26	1	0	6	61	23	4	1	0	0	0	0	20	56	59	21	1	58	73	65	79	85	76	73	86	72	58	97	61	84	61	3	69	63	73	.
191	3	0	71	58	69	55	3	0	1	1	1	2	1	1	0	2	3	1	5	0	63	80	73	57	82	78	72	71	73	66	70	77	74	79	18	3	51	73
192	3	7	65	53	52	20	0	0	3	2	4	33	63	63	28	38	6	2	0	0	66	66	73	72	74	81	69	60	58	53	85	61	21	2	0	1	1	1
193	2	1	78	75	46	51	64	34	28	54	4	39	21	4	17	1	1	8	6	0	58	68	63	68	59	63	61	68	65	67	64	1	0	4	0	8	1	59
194	9	12	66	31	59	12	34	53	0	32	0	0	1	0	1	0	0	1	0	1	61	67	64	54	59	62	68	65	66	57	45	64	55	40	46	81	32	29
195	1	1	56	47	9	37	9	10	2	0	0	0	0	0	0	4	1	14	41	43	65	66	67	70	61	68	43	14	3	6	1	0	2	0	0	0	0	0
196	6	3	80	43	60	55	20	0	0	1	8	2	6	0	0	5	4	0	34	1	67	70	72	71	55	68	42	26	4	6	1	1	8	0	0	2	3	2
197	3	0	50	60	61	55	40	44	31	36	37	10	0	1	0	0	0	0	0	0	73	57	61	65	63	57	56	56	44	30	60	59	10	45	49	73	67	30
198	35	70	74	49	60	43	47	61	35	10	6	6	16	0	4	5	9	67	63	6	45	63	53	71	61	61	79	76	76	72	69	58	59	65	71	54	73	87
199	1	0	68	65	68	8	30	39	4	6	2	16	55	75	30	1	5	4	2	0	65	62	71	51	64	58	64	53	71	45	4	6	0	0	1	12	59	76
200	70	68	65	62	8	1	0	0	5	4	0	2	0	5	0	4	0	6	36	70	68	70	66	61	64	69	57	77	56	70	69	62	19	2	27	53	60	62

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General Linear Models Procedure
Class Level Information

Class	Levels	Values
GROUP	5	1 2 3 4 5
SEX	2	F M

Number of observations in data set = 200

NOTE: Observations with missing values will not be included in this analysis. Thus only 198 observations can be used in this analysis.

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Repeated Measures Level Information

Dependent Variable	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12
Level of DAY	1	1	1	1	1	1	1	1	1	1	1	1
Level of BLOCK	1	2	3	4	5	6	7	8	9	10	11	12

Dependent Variable	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24
Level of DAY	1	1	1	1	1	1	2	2	2	2	2	2
Level of BLOCK	13	14	15	16	17	18	1	2	3	4	5	6

Dependent Variable	N25	N26	N27	N28	N29	N30	N31	N32	N33	N34	N35	N36
Level of DAY	2	2	2	2	2	2	2	2	2	2	2	2
Level of BLOCK	7	8	9	10	11	12	13	14	15	16	17	18

Dependent Variable	N37	N38	N39	N40	N41	N42	N43	N44	N45	N46	N47	N48
Level of DAY	3	3	3	3	3	3	3	3	3	3	3	3
Level of BLOCK	1	2	3	4	5	6	7	8	9	10	11	12

Dependent Variable	N49	N50	N51	N52	N53	N54	N55	N56	N57	N58	N59	N60
Level of DAY	3	3	3	3	3	3	4	4	4	4	4	4
Level of BLOCK	13	14	15	16	17	18	1	2	3	4	5	6

Dependent Variable	N61	N62	N63	N64	N65	N66	N67	N68	N69	N70	N71	N72
Level of DAY	4	4	4	4	4	4	4	4	4	4	4	4
Level of BLOCK	7	8	9	10	11	12	13	14	15	16	17	18

Manova Test Criteria and Exact F Statistics for the Hypothesis of no DAY Effect
H = Type III SS&CP Matrix for DAY E = Error SS&CP Matrix

S=1 M=0.5 N=92

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.20322914	243.0744	3	186	0.0001
Pillai's Trace	0.79677086	243.0744	3	186	0.0001
Hotelling-Lawley Trace	3.92055424	243.0744	3	186	0.0001
Roy's Greatest Root	3.92055424	243.0744	3	186	0.0001

Manova Test Criteria and F Approximations for the Hypothesis of no DAY*GROUP Effect
H = Type III SS&CP Matrix for DAY*GROUP E = Error SS&CP Matrix

S=3 M=0 N=92

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.94263587	0.9265	12	492.4012	0.5199
Pillai's Trace	0.05800874	0.9267	12	564	0.5195
Hotelling-Lawley Trace	0.06017287	0.9260	12	554	0.5203
Roy's Greatest Root	0.04624978	2.1737	4	188	0.0735

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

General Linear Models Procedure
Repeated Measures Analysis of Variance

Manova Test Criteria and Exact F Statistics for the Hypothesis of no DAY*SEX Effect
H = Type III SS&CP Matrix for DAY*SEX E = Error SS&CP Matrix

S=1 M=0.5 N=92

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.97943491	1.3018	3	186	0.2752
Pillai's Trace	0.02056509	1.3018	3	186	0.2752
Hotelling-Lawley Trace	0.02099689	1.3018	3	186	0.2752
Roy's Greatest Root	0.02099689	1.3018	3	186	0.2752

Manova Test Criteria and F Approximations for the Hypothesis of no DAY*GROUP*SEX Effect
H = Type III SS&CP Matrix for DAY*GROUP*SEX E = Error SS&CP Matrix

S=3 M=0 N=92

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.93115680	1.1213	12	492.4012	0.3400
Pillai's Trace	0.07029083	1.1276	12	564	0.3345
Hotelling-Lawley Trace	0.07238761	1.1140	12	554	0.3457
Roy's Greatest Root	0.03932046	1.8481	4	188	0.1214

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK Effect
H = Type III SS&CP Matrix for BLOCK E = Error SS&CP Matrix

S=1 M=7.5 N=85

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.13613042	64.2055	17	172	0.0001
Pillai's Trace	0.86386958	64.2055	17	172	0.0001
Hotelling-Lawley Trace	6.34589667	64.2055	17	172	0.0001
Roy's Greatest Root	6.34589667	64.2055	17	172	0.0001

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP Effect
H = Type III SS&CP Matrix for BLOCK*GROUP E = Error SS&CP Matrix

S=4 M=6 N=85

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.63548949	1.2198	68	677.2953	0.1185
Pillai's Trace	0.42402769	1.2206	68	700	0.1173
Hotelling-Lawley Trace	0.48582247	1.2181	68	682	0.1200
Roy's Greatest Root	0.19618936	2.0196	17	175	0.0124

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

General Linear Models Procedure
Repeated Measures Analysis of Variance

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK*SEX Effect
H = Type III SS&CP Matrix for BLOCK*SEX E = Error SS&CP Matrix

S=1 M=7.5 N=85

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.89366946	1.2038	17	172	0.2659
Pillai's Trace	0.10633054	1.2038	17	172	0.2659
Hotelling-Lawley Trace	0.11898195	1.2038	17	172	0.2659
Roy's Greatest Root	0.11898195	1.2038	17	172	0.2659

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP*SEX Effect
H = Type III SS&CP Matrix for BLOCK*GROUP*SEX E = Error SS&CP Matrix

S=4 M=6 N=85

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.71238684	0.8990	68	677.2953	0.7031
Pillai's Trace	0.32275915	0.9035	68	700	0.6939
Hotelling-Lawley Trace	0.35678852	0.8946	68	682	0.7123
Roy's Greatest Root	0.14642804	1.5073	17	175	0.0966

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

Manova Test Criteria and Exact F Statistics for the Hypothesis of no DAY*BLOCK Effect
H = Type III SS&CP Matrix for DAY*BLOCK E = Error SS&CP Matrix

S=1 M=24.5 N=68

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.15954848	14.2537	51	138	0.0001
Pillai's Trace	0.84045152	14.2537	51	138	0.0001
Hotelling-Lawley Trace	5.26768728	14.2537	51	138	0.0001
Roy's Greatest Root	5.26768728	14.2537	51	138	0.0001

Manova Test Criteria and F Approximations for the Hypothesis of no DAY*BLOCK*GROUP Effect
H = Type III SS&CP Matrix for DAY*BLOCK*GROUP E = Error SS&CP Matrix

S=4 M=23 N=68

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.28411493	1.0058	204	553.5858	0.4731
Pillai's Trace	1.06890905	1.0082	204	564	0.4645
Hotelling-Lawley Trace	1.49857523	1.0027	204	546	0.4836
Roy's Greatest Root	0.50711817	1.4020	51	141	0.0629

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

General Linear Models Procedure
Repeated Measures Analysis of Variance

Manova Test Criteria and Exact F Statistics for the Hypothesis of no DAY*BLOCK*SEX Effect
H = Type III SS&CP Matrix for DAY*BLOCK*SEX E = Error SS&CP Matrix

S=1 M=24.5 N=68

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.67586770	1.2978	51	138	0.1193
Pillai's Trace	0.32415230	1.2978	51	138	0.1193
Hotelling-Lawley Trace	0.47962328	1.2978	51	138	0.1193
Roy's Greatest Root	0.47962328	1.2978	51	138	0.1193

Manova Test Criteria and F Approximations for the Hypothesis of no DAY*BLOCK*GROUP*SEX Effect
H = Type III SS&CP Matrix for DAY*BLOCK*GROUP*SEX E = Error SS&CP Matrix

S=4 M=23 N=68

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.30456130	0.9416	204	553.5858	0.6911
Pillai's Trace	1.01944663	0.9456	204	564	0.6785
Hotelling-Lawley Trace	1.40155250	0.9378	204	546	0.7028
Roy's Greatest Root	0.53259104	1.4725	51	141	0.0398

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

General Linear Models Procedure
Repeated Measures Analysis of Variance
Tests of Hypotheses for Between Subjects Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F
GROUP	4	22474.10147977	5618.52536994	0.98	0.4209
SEX	1	2529.38689769	2529.38689769	0.44	0.5079
GROUP*SEX	4	12593.67426497	3148.41856624	0.55	0.7008
Error	188	1080384.76549708	5746.72747605		

General Linear Models Procedure
Repeated Measures Analysis of Variance
Univariate Tests of Hypotheses for Within Subject Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted G - G	Pr > F H - F
DAY	3	1920757.491696	640252.497232	204.00	0.0001	0.0001	0.0001
DAY*GROUP	12	25702.298161	2141.858180	0.68	0.7691	0.7529	0.7625
DAY*SEX	3	12727.471194	4242.490398	1.35	0.2567	0.2584	0.2575
DAY*GROUP*SEX	12	40841.590853	3403.465904	1.08	0.3706	0.3717	0.3711
Error(DAY)	564	1770104.441813	3138.483053				

Greenhouse-Geisser Epsilon = 0.8997
Huynh-Feldt Epsilon = 0.9577

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted G - G	Pr > F H - F
BLOCK	17	1329098.295104	78182.252653	194.99	0.0001	0.0001	0.0001
BLOCK*GROUP	68	24823.577552	365.052611	0.91	0.6835	0.6003	0.6077
BLOCK*SEX	17	7593.187746	446.658103	1.11	0.3328	0.3515	0.3510
BLOCK*GROUP*SEX	68	24177.494693	355.551393	0.89	0.7338	0.6361	0.6448
Error(BLOCK)	3196	1281470.120029	400.960613				

Greenhouse-Geisser Epsilon = 0.4099
Huynh-Feldt Epsilon = 0.4476

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted G - G	Pr > F H - F
DAY*BLOCK	51	427623.206756	8384.768760	22.12	0.0001	0.0001	0.0001
DAY*BLOCK*GROUP	204	87035.727222	426.645722	1.13	0.1080	0.2124	0.1958
DAY*BLOCK*SEX	51	35504.631849	696.169252	1.84	0.0003	0.0136	0.0087
DAY*BLOCK*GROUP*SEX	204	70686.685895	346.503362	0.91	0.8028	0.6899	0.7073
Error(DAY*BLOCK)	9588	3634043.114766	379.019933				

Greenhouse-Geisser Epsilon = 0.3839
Huynh-Feldt Epsilon = 0.4511

APPENDIX 2
MOTOR ACTIVITY REANALYSIS -2

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OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24	N25	N26	N27	N28	N29	N30	N31	N32	N33	N34	N35
1	F	1	1702	45	58	4	4	39	65	33	2	0	1	1	1	1	1	1	0	0	0	0	0	3	0	0	1	6	8	26	35	26	0	1	5	2	9	0
2	F	1	1708	1	5	43	46	42	38	10	8	1	4	3	0	7	4	0	3	5	4	0	0	0	0	5	15	42	83	34	22	69	55	68	55	73	86	63
3	F	1	1722	33	58	62	29	6	7	3	5	4	8	0	5	8	22	56	50	10	6	56	49	39	30	85	43	69	64	52	9	70	65	75	59	44	71	63
4	F	1	1731	34	17	6	0	5	1	1	0	0	1	0	0	3	8	0	2	3	19	95	76	78	82	97	85	76	79	80	80	84	73	63	66	76	75	83
5	F	1	1736	0	0	5	0	0	0	1	1	3	2	3	0	8	4	3	0	1	0	6	6	0	1	1	0	0	0	2	10	9	4	0	0	3	2	0
6	F	1	1747	32	71	37	65	2	4	2	0	0	3	2	1	2	0	1	5	3	0	4	9	0	0	0	3	6	12	6	0	0	0	1	0	0	0	0
7	F	1	1750	2	5	0	0	7	19	27	16	6	5	3	5	2	4	3	2	2	7	78	59	59	77	72	50	76	60	36	53	45	48	53	51	31	1	2
8	F	1	1757	34	45	67	64	40	56	33	1	0	1	2	0	2	2	1	8	4	7	2	20	2	23	9	0	0	0	0	0	1	1	0	0	2	0	0
9	F	1	1762	26	43	57	51	48	3	20	72	45	22	43	5	13	1	1	3	1	1	64	77	67	73	74	79	46	71	76	59	81	76	74	66	90	69	80
10	F	1	1767	14	9	11	26	4	4	4	16	7	8	8	9	7	15	6	3	15	7	60	56	59	63	47	63	60	72	59	54	41	69	59	69	72	58	66
11	F	1	1768	60	82	90	74	88	66	45	61	70	90	59	85	87	1	45	77	83	64	50	25	6	0	1	0	2	0	0	0	0	0	1	0	0	1	0
12	F	1	1770	44	62	31	45	0	3	8	10	3	3	0	1	1	6	4	2	2	0	58	31	12	3	0	2	59	49	38	31	49	17	1	0	1	0	0
13	F	1	1772	47	60	63	45	45	33	8	1	1	2	1	4	4	6	3	3	1	5	35	19	24	34	45	33	66	25	9	0	0	4	0	3	9	0	3
14	F	1	1777	70	60	30	65	67	38	57	58	54	41	25	69	41	9	0	3	0	0	63	46	43	6	3	16	20	6	1	2	6	0	0	0	1	2	0
15	F	1	1781	42	26	0	9	4	15	15	3	10	5	3	8	5	30	6	3	5	3	63	77	58	29	91	11	0	0	2	1	3	2	1	0	2	7	4
16	F	1	1785	93	93	79	89	78	69	73	1	7	3	2	1	7	16	11	3	7	3	53	37	40	52	58	17	1	0	4	0	22	65	72	70	35	6	60
17	F	1	1786	61	59	77	48	44	64	34	62	49	77	44	29	70	41	55	52	37	44	18	23	26	16	5	41	26	41	0	44	24	0	0	1	1	0	0
18	F	1	1790	30	57	73	39	21	0	25	71	85	68	69	55	47	7	73	71	91	87	19	9	60	7	0	4	53	36	33	23	39	24	34	69	52	1	0
19	F	1	1794	6	42	17	6	43	33	0	1	6	3	5	2	3	0	1	1	6	6	32	54	64	7	0	0	0	0	1	9	0	2	1	0	1	3	3
20	F	1	1796	19	5	3	38	26	6	3	3	0	16	5	4	20	0	1	3	0	4	45	43	9	27	60	0	3	0	0	0	4	2	0	0	0	1	6
21	F	2	1705	26	49	46	50	39	54	17	12	59	58	51	6	2	2	2	8	2	4	35	65	60	61	71	80	76	60	69	13	1	1	2	0	0	2	2
22	F	2	1706	17	0	22	12	0	1	3	3	4	2	2	3	8	1	0	0	3	0	59	35	55	70	55	50	45	16	58	66	1	0	0	1	0	0	0
23	F	2	1711	21	63	66	36	2	22	6	2	0	0	1	2	0	5	0	0	1	0	61	61	76	57	23	62	48	67	56	55	53	60	1	25	51	59	45
24	F	2	1712	12	7	0	0	4	1	1	0	0	2	0	1	0	0	0	0	2	0	2	0	0	0	0	0	1	3	0	0	0	2	0	0	0	1	1
25	F	2	1713	9	41	36	16	0	28	22	33	1	6	4	1	10	2	5	7	6	12	0	0	0	1	1	0	0	0	2	0	1	0	2	0	0	1	0

OBS	N36	N37	N38	N39	N40	N41	N42	N43	N44	N45	N46	N47	N48	N49	N50	N51	N52	N53	N54	N55	N56	N57	N58	N59	N60	N61	N62	N63	N64	N65	N66	N67	N68	N69	N70	N71	N72
1	0	55	3	9	14	0	0	0	0	5	0	1	5	0	4	0	3	0	4	68	62	60	65	41	48	55	28	51	64	57	27	1	3	64	54	54	50
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3	69	50	49	35	0	0	41	14	2	0	0	6	5	19	38	20	55	46	50	69	60	71	76	71	79	74	62	68	53	51	53	25	2	0	0	0	0
4	76	56	33	21	32	19	64	16	0	0	0	4	52	70	48	7	33	23	0	70	81	70	67	80	73	44	18	1	36	55	60	69	15	2	9	3	2
5	0	56	30	22	0	27	36	28	3	0	0	0	14	0	0	0	2	0	0	69	57	70	53	66	36	30	35	31	0	0	0	0	1	2	2	1	0
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8	0	19	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	67	59	57	63	70	57	48	57	47	49	50	9	0	0	28	39	59	60
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22	0	78	41	66	39	52	22	46	55	27	50	61	54	2	0	1	7	0	0	68	65	88	72	79	62	81	52	0	2	2	23	72	81	50	55	2	4
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25	0	16	0	0	6	20	0	0	0	0	0	2	1	0	3	0	0	1	1	58	57	67	70	73	57	16	0	3	1	6	53	71	59	57	21	1	2

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OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24	N25	N26	N27	N28	N29	N30	N31	N32	N33	N34	N35
26	F	2	1718	60	79	72	86	46	56	76	15	0	10	2	4	3	3	3	0	4	6	38	39	63	44	44	83	80	5	0	0	0	0	0	1	2	0	0
27	F	2	1734	40	38	50	39	1	2	33	64	43	3	7	39	28	3	5	6	22	3	57	23	14	3	10	6	7	1	4	0	4	14	83	82	75	77	79
28	F	2	1746	23	29	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	13	6	2	56	42	70	50	12	64	63	52	9	1	7	0	0	0
29	F	2	1753	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	30	12	0	2	0	2	2	1	1	2	2	2	0	1	7	0	0
30	F	2	1755	20	22	42	67	48	35	14	66	25	3	25	45	45	10	5	2	2	5	66	54	61	46	62	27	1	17	52	8	2	4	4	2	0	3	2
31	F	2	1756	43	65	14	4	0	23	7	26	15	4	0	3	2	0	3	2	3	0	15	21	7	12	0	0	3	1	3	0	2	3	0	2	4	2	2
32	F	2	1760	74	59	46	16	1	0	1	2	10	3	6	19	46	10	8	54	5	33	47	42	43	62	71	61	3	1	1	3	2	0	1	3	3	0	2
33	F	2	1763	2	17	32	55	55	0	49	81	52	65	16	76	59	46	67	51	4	6	52	50	65	65	57	58	45	17	0	0	35	59	48	62	54	38	4
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35	F	2	1771	38	32	31	14	1	3	1	7	5	5	3	6	8	12	8	4	2	2	19	38	11	5	1	0	2	0	3	6	0	9	1	1	2	2	3
36	F	2	1775	24	37	39	52	0	27	67	40	1	0	1	1	5	3	6	1	5	2	4	0	16	35	3	0	0	0	0	1	1	0	0	2	0	0	0
37	F	2	1779	9	21	33	44	30	55	10	4	24	56	10	1	1	0	0	3	0	1	60	29	1	0	0	1	24	15	53	49	43	0	1	0	5	0	2
38	F	2	1782	79	58	49	75	59	57	79	47	0	1	2	46	59	75	67	38	82	72	52	38	20	4	0	3	49	55	43	53	61	57	76	54	69	60	27
39	F	2	1795	6	18	44	45	25	0	6	0	5	9	0	3	2	2	0	1	6	1	41	65	75	19	1	11	14	66	74	78	82	70	70	18	0	2	1
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41	F	3	1703	26	2	1	1	2	0	2	1	1	3	1	1	1	3	1	2	1	3	39	14	30	72	40	64	44	31	35	47	14	43	1	1	1	2	0
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43	F	3	1709	17	0	0	4	2	3	1	2	1	1	8	3	1	14	3	9	42	52	50	77	53	79	84	83	36	29	4	0	6	9	4	2	0	0	1
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45	F	3	1716	1	17	13	21	0	0	16	19	2	2	0	2	4	0	2	1	3	2	29	62	64	79	53	72	55	58	63	9	0	16	76	40	72	67	
46	F	3	1717	48	62	48	52	64	5	63	86	35	5	36	52	91	62	57	1	71	52	43	40	55	39	11	4	2	0	2	0	0	3	3	0	0	10	3
47	F	3	1721	56	7	60	45	2	13	40	10	1	0	0	0	0	0	0	1	0	0	73	69	34	26	71	61	1	0	2	0	1	0	0	0	0	0	6
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49	F	3	1730	29	38	37	37	5	40	65	26	1	5	4	2	1	0	0	0	2	4	57	66	63	71	73	67	69	69	69	76	48	2	1	2	0	2	12
50	F	3	1735	44	25	0	6	19	24	0	2	6	3	0	0	1	2	1	10	2	0	41	33	0	37	34	0	1	0	0	2	0	3	0	0	1	19	47

O B S	N 3 6	N 3 7	N 3 8	N 3 9	N 4 0	N 4 1	N 4 2	N 4 3	N 4 4	N 4 5	N 4 6	N 4 7	N 4 8	N 4 9	N 5 0	N 5 1	N 5 2	N 5 3	N 5 4	N 5 5	N 5 6	N 5 7	N 5 8	N 5 9	N 6 0	N 6 1	N 6 2	N 6 3	N 6 4	N 6 5	N 6 6	N 6 7	N 6 8	N 6 9	N 7 0	N 7 1	N 7 2
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27	75	76	70	8	0	0	1	1	3	2	10	0	1	5	1	8	57	51	0	66	84	88	88	53	70	79	88	77	86	76	80	51	34	1	0	4	5
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29	1	42	2	3	4	3	1	2	2	1	3	3	0	5	1	5	4	0	4	67	60	46	65	58	38	62	28	0	1	0	7	55	30	1	0	1	0
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34	1	85	49	45	53	27	14	1	0	1	0	1	0	1	0	0	3	0	1	78	72	78	83	75	90	74	42	75	78	84	65	2	1	1	29	58	51
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37	3	15	30	0	0	0	0	0	0	11	28	35	0	22	44	29	8	53	19	75	88	59	74	73	75	69	43	4	1	1	6	54	62	64	46	18	0
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41	0	46	15	28	12	50	31	52	11	45	41	41	25	56	35	36	28	6	29	65	60	44	63	76	64	74	21	1	1	2	0	22	2	1	6	4	1
42	5	55	46	21	11	24	63	58	31	1	0	11	0	7	0	2	5	0	3	55	55	66	62	59	41	69	59	57	49	58	67	52	32	3	0	40	63
43	2	75	75	86	25	2	1	0	3	0	3	3	3	0	17	65	14	0	3	48	49	79	70	61	74	90	21	0	0	5	66	45	3	3	0	1	4
44	71	25	63	56	7	15	40	43	24	23	58	46	0	3	0	1	0	3	1	59	52	51	63	64	68	73	72	68	63	68	73	81	63	65	16	7	1
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49	79	81	63	78	55	58	76	65	58	73	66	65	65	48	66	68	66	69	54	42	33	46	75	50	48	58	71	54	57	48	9	4	1	0	26	0	0
50	49	68	51	17	40	23	0	0	0	0	6	0	0	0	1	0	0	0	0	72	67	60	70	46	63	62	67	55	67	23	14	66	67	57	44	79	63

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O B S	S E X	G R O U P	A N I M	N 1	N 2	N 3	N 4	N 5	N 6	N 7	N 8	N 9	N 1 0	N 1 1	N 1 2	N 1 3	N 1 4	N 1 5	N 1 6	N 1 7	N 1 8	N 1 9	N 2 0	N 2 1	N 2 2	N 2 3	N 2 4	N 2 5	N 2 6	N 2 7	N 2 8	N 2 9	N 3 0	N 3 1	N 3 2	N 3 3	N 3 4	N 3 5
51	F	3	1742	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	35	3	0	0	0	0	0	0	0	0	6	37	28	34	38	30	18
52	F	3	1744	10	7	23	43	57	2	4	4	2	9	2	6	1	9	8	7	10	2	69	51	50	45	81	68	63	17	64	88	53	78	52	71	47	1	1
53	F	3	1749	1	5	0	0	20	22	9	1	3	2	0	1	3	1	0	0	1	3	4	16	0	4	4	45	49	0	0	0	2	1	1	0	0	0	2
54	F	3	1754	11	4	27	15	1	20	40	38	41	31	1	3	2	2	0	6	3	0	19	30	18	51	30	1	0	0	3	0	0	0	1	0	0	0	2
55	F	3	1758	30	31	21	1	5	2	0	3	4	5	12	2	11	23	55	69	95	80	0	5	6	0	0	4	0	0	0	0	1	0	2	4	2	7	0
56	F	3	1761	16	20	24	22	0	2	0	1	1	7	1	0	1	0	2	4	3	0	27	36	3	2	0	2	3	0	3	0	2	0	0	2	0	0	1
57	F	3	1780	29	72	50	84	57	53	17	58	5	0	1	3	0	1	0	1	1	5	65	44	66	20	21	40	55	21	5	57	45	2	1	3	2	2	1
58	F	3	1791	49	65	62	81	67	52	19	0	1	16	85	72	54	91	84	87	63	90	56	52	47	19	0	1	24	39	26	0	0	0	2	0	0	0	1
59	F	3	1792	0	4	1	0	6	1	0	0	0	2	1	1	2	0	0	0	5	16	29	43	35	11	30	3	0	0	0	1	0	0	1	20	13	47	31
60	F	3	1799	65	69	80	82	65	74	74	43	54	60	76	66	27	61	8	12	8	3	59	49	56	54	46	22	1	1	2	1	2	2	0	14	2	0	4
61	F	4	1701	4	0	2	2	1	13	17	22	29	6	47	62	55	1	2	4	1	2	58	65	71	40	62	73	60	5	0	1	2	0	1	1	1	0	2
62	F	4	1707	31	41	8	0	0	3	9	9	0	1	1	1	0	0	0	5	3	0	13	17	19	7	16	25	5	2	2	2	2	4	0	0	9	0	1
63	F	4	1714	67	88	64	80	70	45	64	32	34	2	2	7	2	2	2	6	2	4	55	61	70	59	70	62	37	26	43	52	25	1	1	0	5	0	3
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65	F	4	1726	41	68	67	49	42	2	0	50	70	46	8	7	10	1	2	8	6	1	57	57	62	82	74	56	70	72	74	67	1	0	2	19	0	0	1
66	F	4	1729	23	34	57	2	1	31	44	65	7	2	2	5	4	7	5	1	2	1	43	69	14	35	66	34	0	0	0	0	2	2	1	0	1	12	59
67	F	4	1732	29	17	54	69	54	53	66	65	18	1	1	50	74	16	59	13	13	65	12	7	15	0	0	0	2	0	0	4	4	4	37	25	47	46	10
68	F	4	1733	53	61	17	1	5	5	3	1	4	12	8	2	8	10	9	5	4	8	4	8	56	30	39	55	37	70	76	12	0	45	31	56	59	27	58
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76	F	4	1774	17	13	25	20	1	16	43	69	1	1	4	5	7	0	7	4	3	1	39	44	1	1	0	2	1	0	0	1	0	1	0	0	3	26	51
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OBS	SEX	GROUP	ANIM	W1	W2	W3	W4	W5	W6	W7	W8	W9	N110	N111	N112	N113	N114	N115	N116	N117	N118	N119	N120	N121	N122	N123	N124	N125	N126	N127	N128	N129	N130	N131	N132	N133	N134	N135
101	M	1	1402	7	39	44	5	3	0	3	4	0	5	7	25	8	6	8	0	3	10	37	27	38	42	48	31	25	19	4	24	9	0	6	5	3	2	4
102	M	1	1408	30	38	36	26	44	70	33	45	71	22	10	2	0	2	0	1	1	0	4	0	26	11	2	58	41	4	3	1	0	1	0	0	0	0	3
103	M	1	1422	7	40	42	8	6	5	2	5	3	3	4	8	4	2	3	6	8	4	31	34	24	12	36	65	42	39	10	2	4	2	1	3	1	4	10
104	M	1	1431	38	7	5	3	5	1	4	14	2	0	0	2	2	4	16	13	16	27	56	66	57	68	33	62	72	64	71	43	76	67	39	67	74	41	64
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109	M	1	1462	10	10	5	36	12	16	14	10	0	5	4	2	5	6	46	64	38	82	92	82	72	88	94	86	86	80	85	95	84	86	78	95	73	56	99
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111	M	1	1468	51	67	24	34	35	16	3	3	2	0	4	1	2	2	7	0	4	50	81	69	80	73	74	72	73	87	72	3	0	0	6	3	4	1	1
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O B S	S E X	C R O U P	A N I M	N 1	N 2	N 3	N 4	N 5	N 6	N 7	N 8	N 9	N 1 0	N 1 1	N 1 2	N 1 3	N 1 4	N 1 5	N 1 6	N 1 7	N 1 8	N 1 9	N 2 0	N 2 1	N 2 2	N 2 3	N 2 4	N 2 5	N 2 6	N 2 7	N 2 8	N 2 9	N 3 0	N 3 1	N 3 2	N 3 3	N 3 4	N 3 5
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O B S	N 3 6	N 3 7	N 3 8	N 3 9	N 4 0	N 4 1	N 4 2	N 4 3	N 4 4	N 4 5	N 4 6	N 4 7	N 4 8	N 4 9	N 5 0	N 5 1	N 5 2	N 5 3	N 5 4	N 5 5	N 5 6	N 5 7	N 5 8	N 5 9	N 6 0	N 6 1	N 6 2	N 6 3	N 6 4	N 6 5	N 6 6	N 6 7	N 6 8	N 6 9	N 7 0	N 7 1	N 7 2
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151	M	3	1442	15	4	0	0	5	4	2	1	0	0	0	0	8	33	13	1	3	7	40	9	0	10	7	0	0	0	0	0	0	1	0	2	0	0
152	M	3	1444	55	63	58	73	79	5	2	16	0	1	0	3	5	9	2	1	25	46	83	64	64	73	65	76	64	28	6	3	1	6	1	0	0	23
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156	M	3	1461	58	81	68	60	36	64	53	1	0	2	0	0	0	0	0	0	0	1	20	13	3	0	1	1	0	1	1	1	29	75	95	73	53	83
157	M	3	1480	20	27	77	53	47	8	2	1	0	2	4	1	4	3	2	0	7	9	38	11	81	37	2	13	33	14	56	69	40	76	6	1	4	2
158	M	3	1491	12	36	55	57	49	92	74	74	85	91	46	0	10	66	98	40	65	94	57	32	35	27	45	38	64	68	7	55	59	46	57	48	40	0
159	M	3	1492	19	15	0	12	12	3	19	16	1	2	6	15	21	16	0	4	4	1	43	10	44	38	28	57	42	58	8	37	14	43	62	43	56	50
160	M	3	1499	42	52	74	69	62	45	52	42	11	2	21	38	79	50	72	56	69	65	59	68	45	0	70	55	35	8	1	6	1	14	28	71	74	65
161	M	4	1401	0	4	3	1	45	72	53	73	30	46	1	3	1	17	7	2	3	2	20	34	21	8	0	0	2	5	0	0	14	11	5	3	0	6
162	M	4	1407	49	49	4	2	1	3	2	2	3	4	1	16	7	1	10	2	0	3	7	76	66	31	0	0	0	2	0	1	0	1	1	1	0	0
163	M	4	1414	66	76	74	79	73	43	5	8	2	1	3	7	17	17	2	2	2	7	86	52	41	65	59	42	40	49	39	39	3	4	8	0	5	4
164	M	4	1419	87	87	77	89	90	76	90	97	51	85	50	69	96	79	34	1	27	55	73	56	60	7	55	58	61	10	1	9	0	3	1	12	2	1
165	M	4	1426	44	10	16	21	0	0	0	1	23	20	6	9	10	27	10	13	1	11	26	35	22	53	14	1	3	5	46	21	2	5	0	2	6	1
166	M	4	1429	24	3	1	16	31	35	6	0	8	2	3	4	0	5	1	5	1	0	83	31	69	36	31	66	6	0	6	32	64	72	59	44	70	63
167	M	4	1432	31	34	0	0	1	3	2	0	6	0	0	5	21	8	0	6	22	6	19	64	53	0	0	0	0	0	2	0	0	6	1	5	3	0
168	M	4	1433	17	40	19	43	38	13	2	0	1	6	8	4	6	23	26	66	34	14	30	51	28	49	14	42	33	30	41	22	9	36	25	49	22	57
169	M	4	1438	2	11	4	2	5	5	1	6	29	30	47	38	32	44	23	4	4	1	4	7	9	0	0	0	1	1	10	7	0	0	1	4	0	0
170	M	4	1439	24	84	39	6	19	45	33	17	3	5	4	4	4	2	9	1	5	7	66	80	64	55	60	22	0	0	32	8	0	47	78	55	62	31
171	M	4	1445	24	1	0	1	0	1	1	1	2	1	0	0	0	0	0	0	0	10	16	13	6	0	0	0	0	2	1	1	0	0	0	0	2	0
172	M	4	1451	40	22	36	44	48	13	23	63	47	57	42	45	11	21	1	2	1	10	47	10	17	44	42	64	57	66	52	62	63	61	62	70	72	73
173	M	4	1459	32	56	78	56	19	59	12	37	62	55	74	57	0	6	0	1	0	1	47	28	25	52	86	41	30	69	71	74	46	5	2	0	0	3
174	M	4	1464	21	0	5	11	54	12	2	1	1	14	12	2	3	1	5	0	5	2	21	0	0	0	0	0	20	2	3	0	4	0	0	0	2	0
175	M	4	1465	6	2	0	3	10	2	1	1	1	1	2	2	0	0	0	0	0	1	32	20	12	0	28	9	0	1	0	1	3	1	0	2	0	0

OBS	N35	N36	N37	N38	N39	N40	N41	N42	N43	N44	N45	N46	N47	N48	N49	N50	N51	N52	N53	N54	N55	N56	N57	N58	N59	N60	N61	N62	N63	N64	N65	N66	N67	N68	N69	N70	N71	N72
151	0	2	59	44	41	37	0	0	53	71	36	24	6	0	1	3	29	56	30	40	64	60	72	48	52	21	49	50	32	6	0	1	1	15	1	1	1	0
152	3	0	79	49	33	30	50	30	0	2	2	44	25	0	1	2	0	1	1	2	52	67	64	58	58	65	81	63	56	57	62	69	66	41	47	53	10	1
153	1	0	58	0	11	1	26	0	0	0	0	5	4	1	0	0	1	14	56	48	87	66	44	29	2	31	0	0	0	0	1	4	0	0	5	10	57	45
154	12	27	72	63	54	34	12	1	2	1	1	1	0	1	8	50	54	62	47	51	52	58	67	59	66	69	75	52	71	57	64	62	58	48	27	0	0	0
155	1	0	75	64	22	2	0	3	0	0	19	3	2	3	3	3	4	1	3	4	56	75	71	70	69	68	27	19	1	0	0	0	1	11	1	3	7	8
156	60	37	74	71	88	76	75	58	51	2	0	7	0	4	1	1	0	0	0	0	71	63	79	66	70	63	75	69	78	88	18	3	76	70	75	48	7	7
157	3	0	75	49	28	48	51	4	0	0	0	1	11	4	0	3	0	1	0	1	64	54	72	60	86	76	74	76	59	51	69	80	62	60	51	63	67	56
158	3	1	82	29	57	1	17	0	1	8	0	1	1	0	0	4	30	51	72	20	74	69	61	74	83	77	79	68	69	65	65	74	65	57	81	73	37	42
159	2	41	65	10	13	0	0	0	0	1	4	7	53	37	30	10	18	14	27	0	62	66	58	63	69	63	41	26	61	29	17	1	6	0	1	0	8	0
160	67	64	78	77	21	24	0	0	7	1	0	5	2	0	0	0	9	11	3	49	56	55	69	72	76	62	57	55	72	1	7	11	1	5	6	6	1	6
161	2	0	59	44	45	67	48	12	1	0	1	0	3	1	0	1	1	2	3	0	68	71	72	61	61	67	50	68	78	64	80	66	59	67	80	73	86	60
162	0	0	72	86	64	59	48	40	16	0	0	2	0	0	0	1	0	0	3	9	62	67	65	79	74	77	70	66	83	90	84	43	42	11	0	8	14	5
163	2	0	27	47	18	8	73	52	51	12	0	7	2	31	0	2	5	2	4	0	77	63	63	67	83	61	75	74	60	74	62	81	29	9	0	3	1	1
164	0	1	60	15	59	14	57	15	58	0	0	0	2	2	28	72	63	69	75	15	58	48	42	47	58	64	59	50	54	74	73	69	72	61	57	32	79	67
165	2	18	45	72	51	0	15	0	1	1	0	3	2	0	8	4	0	0	5	2	70	63	66	54	61	62	50	49	46	48	51	51	35	0	1	0	3	2
166	60	0	93	60	14	0	0	2	0	50	36	2	1	0	0	1	4	0	0	0	58	60	70	71	57	66	69	56	73	72	53	53	28	4	9	0	0	3
167	0	2	64	38	22	0	0	0	1	0	0	0	2	0	1	0	0	0	0	2	59	77	80	75	77	70	86	57	14	3	0	5	1	8	0	1	43	1
168	32	2	55	45	44	23	18	6	3	39	38	51	56	29	28	49	2	0	1	0	52	51	65	53	68	78	65	57	73	69	64	69	77	77	53	51	45	36
169	0	0	41	15	1	0	0	0	0	0	1	0	3	0	7	3	7	61	38	11	60	61	63	61	92	87	84	55	73	65	57	58	24	11	1	5	1	0
170	2	4	86	65	68	5	2	1	8	7	0	1	13	0	0	15	98	79	68	47	67	84	60	66	68	74	49	56	76	71	31	1	0	32	65	65	68	85
171	0	1	56	41	29	3	1	2	10	0	3	1	0	1	0	1	4	1	0	0	72	60	68	84	59	57	62	44	53	24	10	4	23	0	1	0	1	2
172	56	68	88	37	49	52	21	23	12	3	1	16	0	0	0	0	1	21	59	42	75	71	65	78	79	71	47	64	8	30	0	5	10	0	0	0	0	1
173	0	2	62	61	40	17	4	5	0	8	1	29	8	5	4	2	0	21	35	13	58	65	60	73	80	65	71	65	54	65	72	66	34	4	0	2	0	0
174	3	0	68	37	14	32	4	0	0	1	0	0	0	0	0	0	15	22	46	35	59	68	69	75	66	72	83	56	6	36	9	2	1	0	0	0	0	1
175	0	0	84	52	45	29	25	6	41	5	0	60	75	28	34	46	22	1	0	3	60	63	64	72	76	54	50	56	56	31	40	20	35	59	50	4	6	1

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24	N25	N26	N27	N28	N29	N30	N31	N32	N33	N34
176	M	4	1474	42	25	47	16	0	25	76	83	16	1	3	4	5	4	0	1	21	49	17	12	42	18	2	1	1	1	4	6	71	94	85	79	44	11
177	M	4	1476	2	0	8	19	21	7	17	27	0	1	0	1	1	0	2	1	11	2	15	70	37	9	47	62	7	68	59	3	0	2	70	82	35	0
178	M	4	1483	11	10	65	63	57	73	62	46	36	53	25	64	25	16	4	3	0	3	11	23	11	0	0	0	0	0	0	0	0	0	0	0	2	1
179	M	4	1487	51	41	25	77	62	63	48	2	41	57	62	54	73	71	4	32	13	40	56	50	62	40	65	54	74	63	70	64	56	7	4	75	64	64
180	M	4	1497	49	20	1	14	12	31	12	3	2	1	3	1	2	5	4	11	8	4	80	79	60	82	38	0	0	0	4	2	1	5	0	0	0	3
181	M	5	1410	1	17	6	6	0	0	0	0	0	7	0	4	2	0	2	3	0	0	40	25	49	1	67	2	86	67	30	74	8	0	0	0	0	47
182	M	5	1420	14	50	73	49	4	4	2	8	20	2	3	6	1	4	25	6	5	1	62	77	77	76	44	62	72	73	4	34	3	45	24	80	72	73
183	M	5	1423	18	69	54	57	0	8	0	1	3	0	5	14	10	60	61	2	3	0	52	28	57	65	35	65	66	41	3	1	3	1	1	7	12	3
184	M	5	1424	38	94	75	83	81	76	60	69	45	48	83	66	3	27	62	87	47	78	61	65	64	82	49	59	75	62	64	67	49	57	50	68	78	52
185	M	5	1427	26	48	64	71	82	70	81	54	1	8	45	17	2	0	0	0	1	5	22	25	24	37	4	6	1	0	0	0	0	0	0	0	0	2
186	M	5	1428	21	33	37	44	4	7	14	11	6	3	2	3	15	8	10	9	4	6	18	32	16	63	51	8	0	0	2	47	64	40	55	56	3	1
187	M	5	1437	20	0	0	4	2	1	0	1	1	2	1	2	2	6	39	58	79	101	62	39	26	16	4	1	5	9	1	0	0	3	12	1	4	3
188	M	5	1440	16	9	6	0	2	3	0	2	1	0	7	19	74	51	6	1	3	5	63	73	29	24	37	3	0	2	0	3	0	1	0	9	5	0
189	M	5	1441	0	0	2	9	4	9	32	11	3	0	9	25	16	0	32	22	32	5	3	6	11	65	43	38	67	4	0	1	3	0	0	0	0	0
190	M	5	1443	44	52	37	24	0	6	63	30	18	29	3	0	0	0	0	0	0	2	73	75	86	77	87	84	75	108	73	43	6	0	3	0	2	0
191	M	5	1448	14	8	1	0	0	0	0	2	0	0	0	0	3	2	2	7	7	3	61	26	13	0	0	1	1	5	2	16	66	63	21	16	2	1
192	M	5	1452	14	3	3	4	2	5	3	6	0	4	13	45	64	77	82	56	27	4	72	12	0	39	72	71	58	71	31	2	5	0	9	4	0	6
193	M	5	1466	59	51	17	13	1	11	10	17	29	5	5	8	12	4	1	13	12	65	97	82	77	77	72	66	86	99	72	79	64	71	81	55	2	2
194	M	5	1473	1	1	3	1	1	0	2	5	2	0	1	2	2	1	3	12	3	1	7	0	0	0	4	2	0	1	0	0	1	1	4	4	15	46
195	M	5	1478	59	27	24	18	0	3	51	78	54	1	7	82	4	3	2	71	47	60	23	26	14	10	8	0	8	12	52	8	27	40	9	2	1	0
196	M	5	1484	4	82	50	72	46	59	12	22	28	54	62	70	75	76	42	70	20	4	0	14	24	1	0	1	16	12	0	1	4	0	0	2	0	4
197	M	5	1488	0	14	4	0	1	8	29	63	59	76	93	86	82	63	2	12	69	70	31	20	22	11	0	5	0	0	0	2	0	2	5	0	0	0
198	M	5	1489	26	44	12	4	10	8	18	1	13	7	3	0	0	4	0	4	16	55	58	60	66	31	0	0	9	2	16	5	1	6	0	0	2	15
199	M	5	1493	8	3	70	60	0	0	1	0	0	0	1	2	0	0	1	1	12	31	56	58	34	19	52	52	28	1	3	3	0	9	1	4	0	1
200	M	5	1498	81	80	69	1	3	22	76	87	87	72	16	2	13	86	95	94	84	14	42	37	7	1	0	2	8	0	0	7	16	60	63	82	77	105

O B S	N 3 5	N 3 6	N 3 7	N 3 8	N 3 9	N 4 0	N 4 1	N 4 2	N 4 3	N 4 4	N 4 5	N 4 6	N 4 7	N 4 8	N 4 9	N 5 0	N 5 1	N 5 2	N 5 3	N 5 4	N 5 5	N 5 6	N 5 7	N 5 8	N 5 9	N 6 0	N 6 1	N 6 2	N 6 3	N 6 4	N 6 5	N 6 6	N 6 7	N 6 8	N 6 9	N 7 0	N 7 1	N 7 2
176	45	30	67	2	11	20	31	0	14	0	2	4	14	12	3	1	0	0	3	1	55	69	76	70	69	52	62	64	63	64	66	66	62	61	90	72	72	66
177	39	8	66	59	29	15	0	0	0	2	1	0	0	1	62	62	54	45	18	43	63	58	69	74	59	68	54	64	77	36	26	1	0	1	19	66	47	13
178	0	1	3	23	0	3	1	0	5	30	3	18	2	0	0	0	1	0	1	0	72	68	73	54	43	27	30	11	12	77	76	43	12	61	45	35	8	52
179	62	7	74	62	49	50	37	10	30	20	7	8	55	30	48	48	72	53	9	1	72	81	67	69	67	68	78	75	26	4	8	3	0	6	0	0	1	0
180	0	8	66	39	55	31	0	3	2	0	10	2	1	0	1	1	0	0	0	1	71	64	60	66	44	66	24	33	70	85	49	61	22	4	5	0	0	0
181	29	58	79	41	36	0	8	0	8	0	3	2	0	0	0	0	0	3	0	34	60	70	62	64	76	47	64	49	66	69	59	55	66	51	53	50	29	58
182	81	70	87	69	58	10	53	59	11	2	5	15	15	3	25	60	69	67	63	36	53	69	70	75	61	72	53	69	75	76	75	87	72	88	77	64	78	68
183	2	2	77	80	63	71	56	2	8	47	66	9	0	18	4	5	0	1	0	0	61	62	72	72	78	83	58	52	60	61	70	59	57	66	76	59	74	38
184	70	31	44	53	43	61	45	41	67	30	28	0	0	1	0	5	1	0	3	1	73	63	65	73	76	64	68	69	73	51	70	67	72	77	40	22	5	0
185	0	3	62	54	34	64	4	7	1	0	3	0	1	0	0	2	0	0	0	0	70	68	69	59	57	61	69	49	32	64	56	59	22	69	25	12	32	0
186	0	5	38	27	14	0	40	52	0	0	0	3	0	7	0	0	2	0	5	52	51	62	57	65	60	78	74	61	37	30	2	2	1	42	51	27	0	0
187	0	10	90	55	47	2	5	6	3	5	0	1	3	7	1	3	0	0	2	41	49	67	55	64	58	43	81	67	47	57	65	78	53	52	50	12	15	30
188	0	4	91	52	96	61	13	0	0	63	53	17	3	0	3	1	0	0	3	0	73	74	66	72	90	65	79	69	56	63	66	53	50	64	92	59	4	3
189	0	0	48	28	17	0	5	1	1	0	2	0	2	12	26	32	51	39	46	37	65	63	65	74	74	80	75	74	72	58	81	73	75	70	69	76	68	43
190	11	1	81	26	1	0	6	61	23	4	1	0	0	0	0	20	56	59	21	1	58	73	65	79	85	76	73	86	72	58	97	61	84	61	3	69	63	73
191	3	0	71	58	69	65	3	0	1	1	1	2	1	1	0	2	3	1	5	0	63	80	73	57	82	78	72	71	73	66	70	77	74	79	18	3	51	73
192	3	7	65	53	52	20	0	0	3	2	4	33	63	63	28	38	6	2	0	0	66	66	73	72	74	81	69	60	58	53	85	61	21	2	0	1	1	1
193	2	1	78	75	46	51	64	34	28	54	4	39	21	4	17	1	3	8	6	0	58	68	63	69	59	63	61	68	65	67	64	1	0	4	0	8	1	59
194	9	12	66	31	59	12	34	53	0	32	0	0	1	0	1	0	0	1	0	1	61	67	64	54	59	62	68	65	66	57	45	64	55	40	46	81	32	29
195	1	1	56	47	9	37	9	10	2	0	0	0	0	0	0	4	1	14	41	43	65	66	67	70	61	68	43	14	3	6	1	0	2	0	0	0	0	0
196	6	3	80	43	60	55	20	0	0	1	8	2	6	0	0	5	4	0	34	1	67	70	72	71	55	68	42	26	4	6	1	1	8	0	0	2	3	2
197	3	0	50	60	61	55	40	44	31	36	37	10	0	1	0	0	0	0	0	0	73	57	61	65	63	57	56	56	44	30	60	59	10	45	49	73	67	30
198	35	70	74	49	60	43	47	61	35	10	6	6	16	0	4	5	9	67	63	6	45	63	53	71	61	61	79	76	76	72	69	58	59	65	71	54	73	87
199	1	0	68	65	68	8	30	39	4	6	2	16	55	75	30	1	5	4	2	0	65	62	71	51	64	58	64	53	71	45	4	6	0	0	1	12	59	76
200	70	68	65	62	8	1	0	0	5	4	0	2	0	5	0	4	0	6	36	70	68	70	66	61	64	69	57	77	56	70	69	62	19	2	27	53	60	62

19

General Linear Models Procedure
Class Level Information

Class	Levels	Values
GROUP	5	1 2 3 4 5
SEX	2	F M

Number of observations in data set = 200

NOTE: Observations with missing values will not be included in this analysis. Thus, only 199 observations can be used in this analysis.

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Repeated Measures Level Information

Dependent Variable	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12
Level of DAY	1	1	1	1	1	1	1	1	1	1	1	1
Level of BLOCK	1	2	3	4	5	6	7	8	9	10	11	12
Dependent Variable	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24
Level of DAY	1	1	1	1	1	1	2	2	2	2	2	2
Level of BLOCK	13	14	15	16	17	18	1	2	3	4	5	6
Dependent Variable	N25	N26	N27	N28	N29	N30	N31	N32	N33	N34	N35	N36
Level of DAY	2	2	2	2	2	2	2	2	2	2	2	2
Level of BLOCK	7	8	9	10	11	12	13	14	15	16	17	18
Dependent Variable	N37	N38	N39	N40	N41	N42	N43	N44	N45	N46	N47	N48
Level of DAY	3	3	3	3	3	3	3	3	3	3	3	3
Level of BLOCK	1	2	3	4	5	6	7	8	9	10	11	12
Dependent Variable	N49	N50	N51	N52	N53	N54	N55	N56	N57	N58	N59	N60
Level of DAY	3	3	3	3	3	3	4	4	4	4	4	4
Level of BLOCK	13	14	15	16	17	18	1	2	3	4	5	6
Dependent Variable	N61	N62	N63	N64	N65	N66	N67	N68	N69	N70	N71	N72
Level of DAY	4	4	4	4	4	4	4	4	4	4	4	4
Level of BLOCK	7	8	9	10	11	12	13	14	15	16	17	18

Manova Test Criteria and Exact F Statistics for the Hypothesis of no DAY Effect
H = Type III SS&CP Matrix for DAY E = Error SS&CP Matrix

S=1 M=0.5 N=92.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.20267902	245.2137	3	187	0.0001
Pillai's Trace	0.79732098	245.2137	3	187	0.0001
Hotelling-Lawley Trace	3.93390990	245.2137	3	187	0.0001
Roy's Greatest Root	3.93390990	245.2137	3	187	0.0001

Manova Test Criteria and F Approximations for the Hypothesis of no DAY*GROUP Effect
H = Type III SS&CP Matrix for DAY*GROUP E = Error SS&CP Matrix

S=3 M=0 N=92.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.93980344	0.9795	12	495.047	0.4673
Pillai's Trace	0.06083868	0.9780	12	567	0.4685
Hotelling-Lawley Trace	0.06337065	0.9805	12	557	0.4662
Roy's Greatest Root	0.05054747	2.3884	4	189	0.0525

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

General Linear Models Procedure
Repeated Measures Analysis of Variance

Manova Test Criteria and Exact F Statistics for the Hypothesis of no DAY*SEX Effect
H = Type III SS&CP Matrix for DAY*SEX E = Error SS&CP Matrix

S=1 M=0.5 N=92.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.97821872	1.3879	3	187	0.2479
Pillai's Trace	0.02178128	1.3879	3	187	0.2479
Hotelling-Lawley Trace	0.02226627	1.3879	3	187	0.2479
Roy's Greatest Root	0.02226627	1.3879	3	187	0.2479

Manova Test Criteria and F Approximations for the Hypothesis of no DAY*GROUP*SEX Effect
H = Type III SS&CP Matrix for DAY*GROUP*SEX E = Error SS&CP Matrix

S=3 M=0 N=92.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.93448436	1.0702	12	495.047	0.3833
Pillai's Trace	0.06679628	1.0760	12	567	0.3779
Hotelling-Lawley Trace	0.06874608	1.0637	12	557	0.3888
Roy's Greatest Root	0.03903539	1.8444	4	189	0.1220

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK Effect
H = Type III SS&CP Matrix for BLOCK E = Error SS&CP Matrix

S=1 M=7.5 N=85.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.13560858	64.8665	17	173	0.0001
Pillai's Trace	0.86439142	64.8665	17	173	0.0001
Hotelling-Lawley Trace	6.37416459	64.8665	17	173	0.0001
Roy's Greatest Root	6.37416459	64.8665	17	173	0.0001

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP Effect
H = Type III SS&CP Matrix for BLOCK*GROUP E = Error SS&CP Matrix

S=6 M=6 N=85.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.63985926	1.2072	68	681.2196	0.1309
Pillai's Trace	0.41834823	1.2093	68	704	0.1284
Hotelling-Lawley Trace	0.47756567	1.2044	68	686	0.1337
Roy's Greatest Root	0.18683510	1.9343	17	176	0.0178

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

General Linear Models Procedure
Repeated Measures Analysis of Variance

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK*SEX Effect
H = Type III SS&CP Matrix for BLOCK*SEX E = Error SS&CP Matrix

S=1 M=7.5 N=85.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.89540962	1.1887	17	173	0.2780
Pillai's Trace	0.10459038	1.1887	17	173	0.2780
Hotelling-Lawley Trace	0.11680730	1.1887	17	173	0.2780
Roy's Greatest Root	0.11680730	1.1887	17	173	0.2780

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP*SEX Effect
H = Type III SS&CP Matrix for BLOCK*GROUP*SEX E = Error SS&CP Matrix

S=4 M=6 N=85.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.71152424	0.9076	68	681.2196	0.6851
Pillai's Trace	0.32370936	0.9116	68	704	0.6768
Hotelling-Lawley Trace	0.35829514	0.9036	68	686	0.6936
Roy's Greatest Root	0.14527173	1.5040	17	176	0.0977

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

Manova Test Criteria and Exact F Statistics for the Hypothesis of no DAY*BLOCK Effect
H = Type III SS&CP Matrix for DAY*BLOCK E = Error SS&CP Matrix

S=1 M=24.5 N=68.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.16016757	14.2910	51	139	0.0001
Pillai's Trace	0.83983243	14.2910	51	139	0.0001
Hotelling-Lawley Trace	5.24346096	14.2910	51	139	0.0001
Roy's Greatest Root	5.24346096	14.2910	51	139	0.0001

Manova Test Criteria and F Approximations for the Hypothesis of no DAY*BLOCK*GROUP Effect
H = Type III SS&CP Matrix for DAY*BLOCK*GROUP E = Error SS&CP Matrix

S=4 M=23 N=68.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.28359441	1.0147	204	557.5771	0.4426
Pillai's Trace	1.07005348	1.0169	204	568	0.4352
Hotelling-Lawley Trace	1.50144378	1.0120	204	550	0.4520
Roy's Greatest Root	0.50658553	1.4105	51	142	0.0594

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

General Linear Models Procedure
Repeated Measures Analysis of Variance

Manova Test Criteria and Exact F Statistics for the Hypothesis of no DAY*BLOCK*SEX Effect
H = Type III SS&CP Matrix for DAY*BLOCK*SEX E = Error SS&CP Matrix

S=1 M=24.5 N=68.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.67249513	1.3273	51	139	0.1001
Pillai's Trace	0.32750487	1.3273	51	139	0.1001
Hotelling-Lawley Trace	0.48699961	1.3273	51	139	0.1001
Roy's Greatest Root	0.48699961	1.3273	51	139	0.1001

Manova Test Criteria and F Approximations for the Hypothesis of no DAY*BLOCK*GROUP*SEX Effect
H = Type III SS&CP Matrix for DAY*BLOCK*GROUP*SEX E = Error SS&CP Matrix

S=4 M=23 N=68.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.30415772	0.9496	204	557.5771	0.6653
Pillai's Trace	1.01980768	0.9528	204	568	0.6550
Hotelling-Lawley Trace	1.40468872	0.9468	204	550	0.6742
Roy's Greatest Root	0.54492629	1.5172	51	142	0.0292

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

General Linear Models Procedure
Repeated Measures Analysis of Variance
Tests of Hypotheses for Between Subjects Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F
GROUP	4	24734.60572295	6183.65143074	1.08	0.3687
SEX	1	3013.05099373	3013.05099373	0.53	0.4695
GROUP*SEX	4	12847.97200302	3211.99300075	0.56	0.6920
Error	189	1084195.60325292	5736.48467330		

General Linear Models Procedure
Repeated Measures Analysis of Variance
Univariate Tests of Hypotheses for Within Subject Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted G - G	Pr > F H - F
DAY	3	1942278.171041	647426.057014	206.40	0.0001	0.0001	0.0001
DAY*GROUP	12	26844.450519	2237.037543	0.71	0.7393	0.7237	0.7329
DAY*SEX	3	13343.490733	4447.830244	1.42	0.2365	0.2392	0.2377
DAY*GROUP*SEX	12	38707.078168	3225.589847	1.03	0.4208	0.4193	0.4202
Error(DAY)	567	1778550.665899	3136.773661				

Greenhouse-Geisser Epsilon = 0.9000
Huynh-Feldt Epsilon = 0.9578

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted G - G	Pr > F H - F
BLOCK	17	1342535.850782	78972.697105	196.76	0.0001	0.0001	0.0001
BLOCK*GROUP	68	23789.832823	349.850483	0.87	0.7641	0.6587	0.6682
BLOCK*SEX	17	7292.321695	428.960100	1.07	0.3788	0.3812	0.3820
BLOCK*GROUP*SEX	68	24423.345409	359.166844	0.89	0.7169	0.6239	0.6321
Error(BLOCK)	3213	1289573.913194	401.361318				

Greenhouse-Geisser Epsilon = 0.4100
Huynh-Feldt Epsilon = 0.4476

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted G - G	Pr > F H - F
DAY*BLOCK	51	426935.918326	8351.684673	21.93	0.0001	0.0001	0.0001
DAY*BLOCK*GROUP	204	84066.456994	412.090475	1.08	0.2028	0.2926	0.2799
DAY*BLOCK*SEX	51	36284.197325	711.454850	1.87	0.0002	0.0116	0.0073
DAY*BLOCK*GROUP*SEX	204	72229.239655	354.064900	0.93	0.7537	0.6525	0.6675
Error(DAY*BLOCK)	9639	3670294.715022	380.775466				

Greenhouse-Geisser Epsilon = 0.3822
Huynh-Feldt Epsilon = 0.4484

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OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
1	F	1	1702	45	58	4	4	39	65	33	2	0	1	1	1	1	1	1	0	0	0
2	F	1	1708	1	5	43	46	42	38	10	8	1	4	3	0	7	4	0	3	5	4
3	F	1	1722	33	58	62	29	6	7	3	5	4	8	0	5	8	22	56	50	10	6
4	F	1	1731	34	17	6	0	5	1	1	0	0	1	0	0	3	8	0	2	3	19
5	F	1	1736	0	0	5	0	0	0	1	1	3	2	3	0	8	4	3	0	1	0
6	F	1	1747	32	71	37	65	2	4	2	0	0	3	2	1	2	0	1	5	3	0
7	F	1	1750	2	5	0	0	7	19	27	16	6	5	3	5	2	4	3	2	2	7
8	F	1	1757	34	45	67	64	40	56	33	1	0	1	2	0	2	2	1	8	4	7
9	F	1	1762	26	43	57	51	48	3	20	72	45	22	43	5	13	1	1	3	1	1
10	F	1	1767	14	9	11	26	4	4	4	16	7	8	8	9	7	15	6	3	15	7
11	F	1	1768	60	82	90	74	88	66	45	61	70	90	59	85	87	1	45	77	83	64
12	F	1	1770	44	62	31	45	0	3	8	10	3	3	0	1	1	6	4	2	2	0
13	F	1	1772	47	60	63	45	45	33	8	1	1	2	1	4	4	6	3	3	1	5
14	F	1	1777	70	60	30	65	67	38	57	58	54	41	25	69	41	9	0	3	0	0
15	F	1	1781	42	26	0	9	4	15	15	3	10	5	3	8	5	30	6	3	5	3
16	F	1	1785	93	93	79	89	78	69	73	1	7	3	2	1	7	16	11	3	7	3
17	F	1	1786	61	59	77	48	44	64	34	62	49	77	44	29	70	41	55	52	37	44
18	F	1	1790	30	57	73	39	21	0	25	71	85	68	69	55	47	7	73	71	91	87
19	F	1	1794	6	42	17	6	43	33	0	1	6	3	5	2	3	0	1	1	6	6
20	F	1	1796	19	5	3	38	26	6	3	3	0	14	5	4	20	0	1	3	0	4
21	F	2	1705	26	49	46	50	39	54	17	12	59	58	51	6	2	2	2	8	2	4
22	F	2	1706	17	0	22	12	0	1	3	3	4	2	2	3	8	1	0	0	3	0
23	F	2	1711	21	63	66	36	2	22	6	2	0	0	1	2	0	5	0	0	1	0
24	F	2	1712	12	7	0	0	4	1	1	0	0	2	0	1	0	0	0	0	2	0
25	F	2	1713	9	41	36	16	0	28	22	33	1	6	4	1	10	2	5	7	6	12
26	F	2	1718	60	79	72	86	46	56	76	15	0	10	2	4	3	3	3	0	4	6
27	F	2	1734	40	38	50	39	1	2	33	64	43	3	7	39	28	3	6	6	22	3
28	F	2	1746	23	29	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0
29	F	2	1755	20	22	42	67	48	35	14	66	25	3	25	45	45	10	5	2	2	5
30	F	2	1756	43	65	14	4	0	23	7	26	15	4	0	3	2	0	3	2	3	0
31	F	2	1760	74	59	44	14	1	0	1	2	10	3	6	19	46	10	8	54	5	33
32	F	2	1763	2	17	32	55	55	0	49	81	52	65	16	76	59	46	67	51	4	6
33	F	2	1769	1	0	7	23	30	45	1	0	2	1	0	0	1	2	0	2	3	8
34	F	2	1771	38	32	31	14	1	3	1	7	5	5	3	6	8	12	8	4	2	2
35	F	2	1775	24	37	39	52	0	27	67	40	1	0	1	1	5	3	6	1	5	2
36	F	2	1779	9	21	33	44	30	55	10	4	24	56	10	1	1	0	0	3	0	1
37	F	2	1782	79	58	49	75	59	57	79	47	0	1	2	46	59	75	67	38	82	72
38	F	2	1795	6	18	44	45	25	0	6	0	5	9	0	3	2	2	0	1	6	1
39	F	2	1800	10	15	3	5	10	1	5	4	8	4	2	0	1	1	1	3	19	12
40	F	3	1703	26	2	1	1	2	0	2	1	1	3	1	1	1	3	1	2	1	3
41	F	3	1704	1	0	0	1	1	0	5	7	2	0	1	0	3	1	0	3	0	13
42	F	3	1709	17	0	0	4	2	3	1	2	1	1	8	3	1	14	3	9	42	52
43	F	3	1715	7	28	55	48	22	0	18	58	5	20	53	10	6	5	0	4	5	3
44	F	3	1716	1	17	13	21	0	0	16	19	2	2	0	2	4	0	2	1	3	2
45	F	3	1717	48	52	48	52	64	5	63	86	35	5	36	52	91	62	57	1	71	52
46	F	3	1721	56	7	60	45	2	13	40	10	1	0	0	0	0	0	0	1	0	0
47	F	3	1725	15	3	16	52	11	8	1	2	5	4	7	0	3	8	0	5	32	56
48	F	3	1730	29	38	37	37	5	40	65	26	1	5	4	2	1	0	0	0	2	4
49	F	3	1735	44	25	0	6	19	24	0	2	6	3	0	0	1	2	1	10	2	0
50	F	3	1742	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
51	F	3	1744	10	7	23	43	57	2	4	4	2	9	2	6	1	9	8	7	10	2
52	F	3	1749	1	5	0	0	20	22	9	1	3	2	0	1	3	1	0	0	1	3
53	F	3	1754	11	4	27	15	1	20	40	38	41	31	1	3	2	2	0	6	3	0
54	F	3	1758	30	31	21	1	5	2	0	3	4	5	12	2	11	23	55	69	95	80
55	F	3	1761	16	20	24	22	0	2	0	1	1	7	1	0	1	0	2	4	3	0
56	F	3	1780	29	72	50	84	57	53	17	58	5	0	1	3	0	1	0	1	1	5
57	F	3	1791	49	65	62	81	67	52	19	0	1	16	85	72	54	91	84	87	63	90
58	F	3	1792	0	4	1	0	6	1	0	0	0	2	1	1	2	0	0	0	5	16
59	F	3	1799	65	69	80	82	65	74	74	43	54	60	76	66	27	61	8	12	8	3
60	F	4	1701	4	0	2	2	1	13	17	22	29	6	47	62	55	1	2	4	1	2
61	F	4	1707	31	41	8	0	0	3	9	9	0	1	1	1	0	0	0	5	3	0

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
62	F	4	1714	67	88	64	80	70	45	64	32	34	2	2	7	2	2	2	6	2	4
63	F	4	1719	56	6	61	60	64	48	7	0	3	64	89	59	83	56	7	2	5	0
64	F	4	1726	41	68	67	49	42	2	0	50	70	44	8	7	10	1	2	8	6	1
65	F	4	1729	23	34	57	2	1	31	44	65	7	2	2	5	4	7	5	1	2	1
66	F	4	1732	29	17	54	69	54	53	66	65	18	1	1	50	74	16	59	13	13	65
67	F	4	1733	53	61	17	1	5	5	3	1	4	12	8	2	8	10	9	5	4	8
68	F	4	1738	28	24	2	3	3	0	6	4	5	9	1	54	41	43	27	3	1	1
69	F	4	1739	0	0	3	3	22	25	0	4	5	0	0	2	11	0	1	0	0	0
70	F	4	1745	26	34	24	15	0	0	3	5	1	0	1	1	1	8	6	0	4	2
71	F	4	1751	47	43	48	60	46	32	62	61	83	21	0	55	70	59	91	87	75	12
72	F	4	1759	89	26	35	22	16	25	4	32	1	4	1	0	4	0	3	4	2	5
73	F	4	1764	52	48	36	31	13	2	29	7	5	3	6	1	5	7	3	4	7	23
74	F	4	1765	0	0	0	0	0	0	0	0	0	2	2	0	0	1	0	1	0	0
75	F	4	1774	17	13	25	20	1	16	43	69	1	1	4	5	7	0	7	4	3	1
76	F	4	1776	6	4	25	5	1	10	10	38	41	29	28	27	16	47	5	0	0	1
77	F	4	1783	10	28	4	49	43	46	27	1	1	1	4	1	2	4	3	0	4	1
78	F	4	1787	30	11	11	9	1	2	4	16	0	1	3	19	6	0	1	3	1	1
79	F	4	1797	13	17	3	0	4	24	58	23	19	37	52	4	20	25	5	0	0	3
80	F	5	1710	46	80	75	73	84	54	53	76	3	2	40	89	38	39	63	76	37	5
81	F	5	1720	6	6	1	0	1	0	3	2	0	0	2	1	13	2	4	1	0	0
82	F	5	1723	8	35	44	43	7	59	26	3	7	2	4	2	1	3	2	2	4	2
83	F	5	1724	26	53	76	73	11	49	2	6	2	2	2	5	4	3	5	0	15	24
84	F	5	1727	14	12	14	23	17	15	17	7	11	0	0	0	0	4	54	59	23	21
85	F	5	1728	0	0	0	0	0	8	48	22	6	2	4	3	2	3	2	3	8	2
86	F	5	1737	63	60	1	0	1	1	2	6	5	13	15	0	2	7	0	3	0	0
87	F	5	1740	12	4	0	10	8	19	41	1	1	1	0	2	0	3	1	3	2	0
88	F	5	1741	3	0	0	0	0	24	51	68	65	72	42	69	14	4	3	11	5	0
89	F	5	1743	32	53	4	0	39	74	52	40	1	9	0	5	5	6	6	5	4	6
90	F	5	1748	31	42	25	19	38	16	0	1	1	0	3	1	6	0	7	1	4	0
91	F	5	1752	27	48	51	56	56	1	4	50	51	54	19	0	6	46	48	4	50	27
92	F	5	1766	12	16	30	55	18	2	27	15	4	4	1	2	2	5	2	1	2	2
93	F	5	1773	15	1	1	1	0	0	0	4	7	46	50	31	1	0	2	0	0	0
94	F	5	1778	36	61	80	69	97	90	7	2	2	11	40	56	84	87	40	1	53	70
95	F	5	1784	17	42	31	73	16	5	7	9	3	3	2	0	9	4	5	7	14	24
96	F	5	1788	0	5	0	0	0	2	1	1	15	44	58	5	0	1	0	0	2	0
97	F	5	1789	27	68	64	31	64	48	1	22	63	69	70	20	27	76	44	20	4	6
98	F	5	1793	15	1	0	8	10	27	27	5	7	0	4	11	0	2	5	5	8	1
99	F	5	1798	55	75	85	86	76	65	3	1	54	80	68	61	53	11	89	67	76	10
100	M	1	1402	7	39	44	5	3	0	3	4	0	5	7	25	8	6	8	0	3	10
101	M	1	1408	30	38	36	26	44	70	33	45	71	22	10	2	0	2	0	1	1	0
102	M	1	1422	7	40	42	8	6	5	2	5	3	3	4	8	4	2	3	6	8	4
103	M	1	1431	38	7	5	3	5	1	4	14	2	0	0	2	2	4	16	13	16	27
104	M	1	1436	1	17	1	12	30	0	1	1	1	1	1	0	0	3	1	0	1	3
105	M	1	1447	9	66	53	0	3	0	0	1	1	0	0	21	2	3	3	1	11	12
106	M	1	1450	0	1	0	0	0	14	36	29	25	2	2	6	2	2	0	3	17	2
107	M	1	1457	3	3	0	1	1	0	0	2	0	0	1	0	0	0	1	2	1	0
108	M	1	1462	10	10	5	36	12	16	14	10	0	5	4	2	5	6	46	64	38	82
109	M	1	1467	42	7	0	7	8	9	11	6	10	3	9	17	19	32	1	7	8	4
110	M	1	1468	51	67	24	34	35	16	3	3	2	0	4	1	2	2	7	0	4	50
111	M	1	1470	10	28	6	26	36	29	12	30	4	1	2	1	4	1	4	1	2	2
112	M	1	1472	3	9	13	34	34	1	0	0	4	0	1	1	4	2	0	1	3	20
113	M	1	1477	67	26	1	3	10	8	3	2	0	0	3	3	4	1	0	3	11	27
114	M	1	1481	83	52	65	41	14	24	38	68	54	9	1	2	5	1	2	5	0	3
115	M	1	1485	33	70	47	1	19	77	71	59	77	3	3	8	5	12	4	3	6	13
116	M	1	1486	37	64	37	31	0	38	56	65	8	19	57	70	62	34	11	2	2	4
117	M	1	1490	36	12	19	16	15	10	14	4	2	5	3	0	5	4	1	2	3	1
118	M	1	1494	13	15	2	1	0	0	1	0	0	0	1	4	7	0	1	1	2	1
119	M	1	1496	18	23	39	36	40	38	23	40	55	21	6	32	7	3	1	2	2	5
120	M	2	1405	65	13	10	6	10	18	3	12	4	6	11	0	9	2	11	2	12	9
121	M	2	1406	6	43	80	64	47	5	5	1	6	5	5	1	7	3	2	0	3	1
122	M	2	1411	15	26	51	8	9	11	1	2	1	0	0	2	0	0	0	1	0	0

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
123	M	2	1412	9	1	0	0	1	0	4	22	2	26	0	4	2	1	0	4	0	3
124	M	2	1413	1	15	8	1	0	3	58	59	40	47	1	0	30	51	88	64	74	89
125	M	2	1418	45	22	42	41	4	70	74	64	5	2	2	4	1	0	1	0	0	1
126	M	2	1434	37	20	58	69	11	8	2	10	19	45	72	44	8	3	4	1	8	0
127	M	2	1446	7	1	3	1	8	45	31	37	0	1	3	4	0	2	0	0	0	5
128	M	2	1453	19	29	15	7	16	49	40	4	8	1	7	4	2	1	6	6	5	3
129	M	2	1455	63	57	57	80	63	0	1	63	10	0	1	11	6	34	10	2	2	11
130	M	2	1456	16	2	17	4	3	4	3	14	7	1	3	6	8	32	50	28	6	24
131	M	2	1460	86	80	77	66	2	6	0	3	0	0	1	1	7	4	10	4	3	4
132	M	2	1463	60	48	67	52	58	58	21	3	56	7	61	45	35	35	10	28	54	15
133	M	2	1469	51	12	0	0	1	0	0	3	37	82	22	33	25	12	5	12	2	2
134	M	2	1471	26	33	16	0	7	0	0	0	2	1	3	12	2	2	7	16	58	73
135	M	2	1475	52	66	48	85	68	57	77	26	0	3	16	30	1	2	1	1	0	1
136	M	2	1479	3	10	13	0	0	0	2	1	3	5	22	18	10	3	5	2	3	0
137	M	2	1482	15	4	0	2	2	0	7	12	4	36	19	5	0	7	0	0	0	3
138	M	2	1495	16	19	24	32	27	1	1	1	0	1	0	2	5	26	5	3	70	48
139	M	2	1500	43	41	5	55	23	0	6	21	46	3	18	46	0	1	23	48	32	15
140	M	3	1403	0	0	0	1	0	2	0	0	1	0	0	0	0	0	0	1	0	0
141	M	3	1404	7	4	19	1	4	0	1	0	0	1	0	1	2	0	2	1	11	14
142	M	3	1409	21	27	0	27	44	52	4	10	5	3	13	6	2	5	8	0	8	4
143	M	3	1415	6	10	62	22	21	11	5	5	1	2	0	5	8	0	1	24	27	24
144	M	3	1416	1	2	9	19	2	0	0	16	4	0	0	0	0	0	0	0	0	0
145	M	3	1417	36	0	5	27	50	50	3	8	3	8	5	5	1	13	2	2	4	2
146	M	3	1421	12	2	2	10	2	0	1	0	4	7	0	0	4	15	34	77	71	5
147	M	3	1425	9	69	20	0	7	4	7	23	6	1	12	1	5	2	20	51	83	80
148	M	3	1430	0	0	0	5	5	40	40	0	2	2	0	1	6	6	7	5	0	2
149	M	3	1435	53	40	16	68	34	26	0	4	16	7	5	0	3	5	0	0	3	2
150	M	3	1442	15	4	0	0	5	4	2	1	0	0	0	0	8	33	13	1	3	7
151	M	3	1444	55	63	58	73	79	5	2	14	0	1	0	3	5	9	2	1	25	46
152	M	3	1449	52	11	4	33	0	0	6	2	1	0	2	5	1	4	6	0	1	3
153	M	3	1454	18	20	43	47	3	0	0	1	1	3	75	59	71	43	5	4	1	4
154	M	3	1458	26	41	58	0	11	0	2	1	0	5	12	4	0	3	3	5	2	2
155	M	3	1461	58	81	68	60	36	64	53	1	0	2	0	0	0	0	0	0	0	1
156	M	3	1480	20	27	77	53	47	8	2	1	0	2	4	1	4	3	2	0	7	9
157	M	3	1491	12	36	55	57	49	92	74	74	85	51	46	0	10	66	98	40	65	94
158	M	3	1492	19	15	0	12	12	3	19	16	1	2	6	15	21	14	0	4	4	1
159	M	3	1499	42	52	74	69	62	45	52	42	11	2	21	38	79	50	72	56	69	65
160	M	4	1401	0	4	3	1	45	72	53	73	30	46	1	3	1	17	7	2	3	2
161	M	4	1407	49	49	4	2	1	3	2	2	3	4	1	16	7	1	10	2	0	3
162	M	4	1414	66	76	74	79	73	43	5	8	2	1	3	7	17	17	2	2	2	7
163	M	4	1419	87	87	77	89	90	76	90	97	51	85	50	69	96	79	34	1	27	55
164	M	4	1426	44	10	16	21	0	0	0	1	23	20	6	9	10	27	10	13	1	11
165	M	4	1429	24	3	1	16	31	35	6	0	8	2	3	4	0	5	1	5	1	0
166	M	4	1432	31	34	0	0	1	3	2	0	6	0	0	5	21	8	0	6	22	6
167	M	4	1433	17	40	19	43	38	13	2	0	1	6	8	4	6	23	26	66	34	14
168	M	4	1438	2	11	4	2	8	5	1	6	29	30	47	38	32	44	23	4	4	1
169	M	4	1439	24	84	39	6	19	45	33	17	3	5	4	4	4	2	9	1	9	7
170	M	4	1445	24	1	0	1	0	1	1	1	2	1	0	0	0	0	0	0	0	10
171	M	4	1451	40	22	36	44	48	13	23	63	47	57	42	45	11	21	1	2	1	10
172	M	4	1459	32	56	78	56	19	59	12	37	62	55	74	57	0	6	0	1	0	1
173	M	4	1464	21	0	5	11	54	12	2	1	1	14	12	2	3	1	5	0	5	2
174	M	4	1465	6	2	0	3	10	2	1	1	1	1	2	2	0	0	0	0	0	1
175	M	4	1474	42	25	47	16	0	25	76	83	16	1	3	4	5	4	0	1	21	49
176	M	4	1476	2	0	8	19	21	7	17	27	0	1	0	1	1	0	2	1	11	2
177	M	4	1483	11	10	65	63	57	73	62	46	36	53	25	64	25	16	4	3	0	3
178	M	4	1487	51	41	25	77	62	63	48	2	41	57	62	54	73	71	4	32	13	40
179	M	4	1497	69	20	1	14	12	31	12	3	2	1	3	1	2	5	4	11	8	4
180	M	5	1410	1	17	6	6	0	0	0	0	0	7	0	4	2	0	2	3	0	0
181	M	5	1420	14	50	73	49	4	4	2	8	20	2	3	6	1	4	25	6	5	1
182	M	5	1423	18	69	54	57	0	8	0	1	3	0	5	14	10	60	61	2	3	0
183	M	5	1424	38	94	75	83	81	76	60	69	45	48	83	66	3	27	62	87	47	78

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
184	M	5	1427	26	48	64	71	82	70	81	54	1	8	45	17	2	0	0	0	1	5
185	M	5	1428	21	33	37	44	4	7	14	11	6	3	2	3	15	8	10	9	4	6
186	M	5	1437	20	0	0	4	2	1	0	1	1	2	1	2	2	6	39	58	79	101
187	M	5	1440	16	9	6	0	2	3	0	2	1	0	7	19	74	51	6	1	3	5
188	M	5	1441	0	0	2	9	4	9	32	11	3	0	9	25	16	0	32	22	32	5
189	M	5	1443	44	52	37	24	0	6	63	30	18	29	3	0	0	0	0	0	0	2
190	M	5	1448	14	8	1	0	0	0	0	2	0	0	0	0	3	2	2	7	7	3
191	M	5	1452	14	3	3	4	2	5	3	6	0	4	13	45	64	77	82	56	27	4
192	M	5	1466	59	51	17	13	1	11	10	17	29	5	5	8	12	4	1	13	12	65
193	M	5	1473	1	1	3	1	1	0	2	9	2	0	1	2	2	1	3	12	3	1
194	M	5	1478	59	27	24	18	0	3	51	78	54	1	7	82	4	3	2	71	47	60
195	M	5	1484	4	82	50	72	46	59	12	22	28	54	62	70	75	76	42	70	20	4
196	M	5	1488	0	14	4	0	1	8	29	63	59	76	93	86	82	63	2	12	69	70
197	M	5	1489	26	44	12	4	10	8	18	1	13	7	3	0	0	4	0	4	16	55
198	M	5	1493	8	3	70	60	0	0	1	0	0	0	1	2	0	0	1	1	12	31
199	M	5	1498	81	80	69	1	3	22	76	87	87	72	16	2	13	86	95	94	84	14

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General Linear Models Procedure
Class Level Information

Class	Levels	Values
GROUP	5	1 2 3 4 5
SEX	2	F M

Number of observations in data set = 199

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Repeated Measures Level Information

Dependent Variable	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12
Level of BLOCK	1	2	3	4	5	6	7	8	9	10	11	12
Dependent Variable	N13	N14	N15	N16	N17	N18						
Level of BLOCK	13	14	15	16	17	18						

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK Effect
H = Type III SS&CP Matrix for BLOCK E = Error SS&CP Matrix

S=1 M=7.5 N=85.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.59720474	6.8637	17	173	0.0001
Pillai's Trace	0.40279526	6.8637	17	173	0.0001
Hotelling-Lawley Trace	0.67446763	6.8637	17	173	0.0001
Roy's Greatest Root	0.67446763	6.8637	17	173	0.0001

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP Effect
H = Type III SS&CP Matrix for BLOCK*GROUP E = Error SS&CP Matrix

S=4 M=6 N=85.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.66217474	1.1096	68	681.2196	0.2628
Pillai's Trace	0.38618262	1.1063	68	704	0.2679
Hotelling-Lawley Trace	0.44117993	1.1127	68	686	0.2575
Roy's Greatest Root	0.21269998	2.2021	17	176	0.0056

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK*SEX Effect
H = Type III SS&CP Matrix for BLOCK*SEX E = Error SS&CP Matrix

S=1 M=7.5 N=85.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.91918007	0.8948	17	173	0.5810
Pillai's Trace	0.08081993	0.8948	17	173	0.5810
Hotelling-Lawley Trace	0.08792611	0.8948	17	173	0.5810
Roy's Greatest Root	0.08792611	0.8948	17	173	0.5810

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General Linear Models Procedure
Repeated Measures Analysis of Variance

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP*SEX Effect
H = Type III SS&CP Matrix for BLOCK*GROUP*SEX E = Error SS&CP Matrix

S=4 M=6 N=85.5

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.71258370	0.9035	68	681.2196	0.6938
Pillai's Trace	0.32036831	0.9014	68	704	0.6984
Hotelling-Lawley Trace	0.35915391	0.9058	68	686	0.6890
Roy's Greatest Root	0.18222432	1.8866	17	176	0.0218

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

8

General Linear Models Procedure
Repeated Measures Analysis of Variance
Tests of Hypotheses for Between Subjects Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F
GROUP	4	10210.44267348	2552.61066837	0.64	0.6353
SEX	1	797.28963902	797.28963902	0.20	0.6556
GROUP*SEX	4	13199.93534244	3299.98383561	0.83	0.5100
Error	189	754958.91228070	3994.49159937		

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Univariate Tests of Hypotheses for Within Subject Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted G - G	Pr > F H - F
BLOCK	17	136699.533321	8041.149019	22.59	0.0001	0.0001	0.0001
BLOCK*GROUP	68	32873.349093	483.431604	1.36	0.0280	0.0846	0.0758
BLOCK*SEX	17	5650.483990	332.381411	0.93	0.5328	0.4894	0.4951
BLOCK*GROUP*SEX	68	19583.120857	287.987071	0.81	0.8698	0.7718	0.7849
Error(BLOCK)	3213	1143574.924561	355.921234				

Greenhouse-Geisser Epsilon = 0.4881
Huynh-Feldt Epsilon = 0.5368

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
1	F	1	1702	0	0	3	0	0	1	6	8	26	35	26	0	1	5	2	9	0	0
2	F	1	1708	0	0	0	0	5	15	42	83	34	22	69	55	68	55	73	86	63	65
3	F	1	1722	56	49	39	30	85	43	69	64	52	9	70	65	75	59	44	71	63	69
4	F	1	1731	95	76	78	82	97	85	76	79	80	80	84	73	63	66	76	75	83	76
5	F	1	1736	6	6	0	1	1	0	0	0	2	10	9	4	0	0	3	2	0	0
6	F	1	1747	4	9	0	0	0	3	6	12	6	0	0	0	1	0	0	0	0	0
7	F	1	1750	78	59	59	77	72	50	76	60	36	53	45	48	53	51	31	1	2	5
8	F	1	1757	2	20	2	23	9	0	0	0	0	0	1	1	0	0	2	0	0	0
9	F	1	1762	64	77	67	73	74	79	46	71	76	59	81	76	74	65	90	69	80	80
10	F	1	1767	60	56	59	63	47	63	60	72	59	54	41	69	59	69	72	68	66	55
11	F	1	1768	50	25	6	0	1	0	2	0	0	0	0	0	1	0	0	1	0	2
12	F	1	1770	58	31	12	3	0	2	59	49	38	31	49	17	1	0	1	0	0	0
13	F	1	1772	35	19	24	34	45	33	66	25	9	0	0	4	0	3	9	0	3	0
14	F	1	1777	63	46	43	6	3	16	20	6	1	2	6	0	0	0	1	2	0	18
15	F	1	1781	63	77	58	29	91	11	0	0	2	1	3	2	1	0	2	7	4	0
16	F	1	1785	53	37	40	52	58	17	1	0	4	0	22	65	72	70	35	6	60	72
17	F	1	1786	18	23	26	16	5	41	26	41	0	44	24	0	0	1	1	0	0	8
18	F	1	1790	19	9	60	7	0	4	53	36	33	23	39	24	34	69	52	1	0	0
19	F	1	1794	32	54	64	7	0	0	0	0	1	9	0	2	1	0	1	3	3	11
20	F	1	1796	45	43	9	27	60	0	3	0	0	0	4	2	0	0	0	1	6	36
21	F	2	1705	35	65	60	61	71	80	76	60	69	13	1	1	2	0	0	2	2	0
22	F	2	1706	59	35	55	70	55	50	45	16	58	66	1	0	0	1	0	0	0	0
23	F	2	1711	61	61	76	57	23	62	48	67	56	55	53	60	1	25	51	59	45	0
24	F	2	1712	2	0	0	0	0	0	1	3	0	0	0	2	0	0	0	1	1	0
25	F	2	1713	0	0	0	1	1	0	0	0	2	0	1	0	2	0	0	1	0	0
26	F	2	1718	38	39	63	44	44	83	80	5	0	0	0	0	0	1	2	0	0	2
27	F	2	1734	57	23	14	3	10	6	7	1	4	0	4	14	83	82	75	77	79	75
28	F	2	1746	13	6	2	56	42	70	50	12	64	63	52	9	1	7	0	0	0	0
29	F	2	1753	30	12	0	2	0	2	2	1	1	2	2	2	0	1	7	0	0	1
30	F	2	1755	66	54	61	46	62	27	1	17	52	8	2	4	4	2	0	3	2	1
31	F	2	1756	15	21	7	12	0	0	3	1	3	0	2	3	0	2	4	2	2	0
32	F	2	1760	47	42	43	62	71	61	3	1	1	3	2	0	1	3	3	0	2	0
33	F	2	1763	52	50	65	65	57	58	45	17	0	0	35	59	48	62	54	38	4	5
34	F	2	1769	71	70	35	27	0	0	0	2	0	0	0	0	0	0	1	0	2	1
35	F	2	1771	19	38	11	5	1	0	2	0	3	6	0	8	1	1	2	2	3	0
36	F	2	1775	4	0	16	35	3	0	0	0	0	1	1	0	0	2	0	0	0	0
37	F	2	1779	60	29	1	0	0	1	24	15	53	49	43	0	1	0	5	0	2	3
38	F	2	1782	52	38	20	4	0	3	49	55	43	53	61	57	76	54	69	60	27	72
39	F	2	1795	41	65	75	19	1	11	14	66	74	78	82	70	70	18	0	2	1	3
40	F	2	1800	26	27	24	80	53	30	48	81	26	0	4	1	7	4	3	5	4	20
41	F	3	1703	39	14	30	72	40	64	44	31	35	47	14	43	1	1	1	2	0	0
42	F	3	1704	31	24	44	44	29	42	50	38	71	17	67	69	1	2	4	0	1	5
43	F	3	1709	50	77	53	79	84	83	36	29	4	0	6	9	4	2	0	0	1	2
44	F	3	1715	1	13	60	50	46	67	67	36	64	63	29	84	54	63	73	0	38	71
45	F	3	1716	29	62	64	64	79	53	72	55	58	63	9	0	16	76	40	72	67	89
46	F	3	1717	43	40	55	39	11	4	2	0	2	0	0	3	3	0	0	10	1	6
47	F	3	1721	73	69	34	26	71	61	1	0	2	0	1	0	0	0	0	0	6	1
48	F	3	1725	21	50	48	42	56	14	43	41	3	8	1	0	0	1	2	2	3	0
49	F	3	1730	57	66	63	71	73	67	69	69	69	76	48	2	1	2	0	2	12	79
50	F	3	1735	41	33	0	37	34	0	1	0	0	2	0	3	0	0	1	19	47	49
51	F	3	1742	35	3	0	0	0	0	0	0	0	0	6	37	28	34	38	30	18	0
52	F	3	1744	69	51	50	45	81	68	63	17	64	88	53	78	52	71	47	1	1	1
53	F	3	1749	4	16	0	4	4	45	49	0	0	0	2	1	1	0	0	0	2	0
54	F	3	1754	19	30	18	51	30	1	0	0	3	0	0	0	1	0	0	0	2	28
55	F	3	1758	0	5	6	0	0	4	0	0	0	0	1	0	2	4	2	7	0	0
56	F	3	1761	27	36	3	2	0	2	3	0	3	0	2	0	0	2	0	0	1	0
57	F	3	1780	55	44	66	20	21	40	55	21	5	57	45	2	1	3	2	2	1	0
58	F	3	1791	56	52	47	19	0	1	24	39	26	0	0	0	2	0	0	0	1	26
59	F	3	1792	29	43	35	11	30	3	0	0	0	1	0	0	1	20	13	47	31	27
60	F	3	1799	59	49	56	54	46	22	1	1	2	1	2	2	0	14	2	0	4	23
61	F	4	1701	58	65	71	40	62	73	60	5	0	1	2	0	1	1	1	0	2	0

2

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
62	F	4	1707	13	17	19	7	16	25	5	2	2	2	2	4	0	0	9	0	1	3
63	F	4	1714	55	61	70	59	70	62	37	26	43	52	25	1	1	0	5	0	3	4
64	F	4	1719	6	50	32	22	19	6	67	29	40	0	3	0	2	4	0	0	0	1
65	F	4	1726	57	57	62	82	74	56	70	72	74	67	1	0	2	19	0	0	1	0
66	F	4	1729	43	69	14	35	66	34	0	0	0	0	2	2	1	0	1	12	59	67
67	F	4	1732	12	7	15	0	0	0	2	0	0	4	4	4	37	25	47	46	10	0
68	F	4	1733	4	8	56	30	39	55	37	70	76	12	0	45	31	56	59	27	58	2
69	F	4	1738	7	0	1	0	0	3	9	25	35	62	28	0	0	0	1	0	0	0
70	F	4	1739	4	23	52	47	46	45	0	28	2	39	10	5	1	0	0	3	2	0
71	F	4	1745	22	35	49	52	30	7	24	25	30	35	1	8	0	4	1	0	3	2
72	F	4	1751	65	34	33	43	60	49	41	69	43	61	52	38	47	41	48	30	31	71
73	F	4	1759	50	32	19	15	51	45	55	29	0	2	0	0	0	4	1	0	0	3
74	F	4	1764	54	27	66	7	13	1	2	5	3	0	0	3	0	0	4	16	44	46
75	F	4	1765	36	40	2	11	1	0	0	0	0	0	1	25	10	30	39	1	0	1
76	F	4	1774	39	44	1	1	0	2	1	0	0	1	0	1	0	0	3	26	51	35
77	F	4	1776	31	0	12	2	0	4	8	38	37	65	60	67	47	47	64	44	27	65
78	F	4	1783	7	32	17	2	11	35	69	18	0	0	0	0	3	1	0	0	0	1
79	F	4	1787	32	42	53	27	7	55	57	42	44	1	0	6	12	0	0	4	3	0
80	F	4	1797	59	66	47	61	69	63	43	70	73	72	28	66	74	75	65	76	49	79
81	F	5	1710	38	32	14	17	3	18	1	0	0	5	0	1	0	0	2	0	2	4
82	F	5	1720	38	63	22	60	30	91	95	85	74	89	81	90	51	85	52	2	5	8
83	F	5	1723	37	13	5	12	17	25	24	0	1	2	5	30	13	44	2	0	0	2
84	F	5	1724	43	35	66	53	51	78	46	51	62	69	57	54	78	70	33	1	16	65
85	F	5	1727	28	44	23	49	50	64	56	57	41	53	57	53	76	81	46	50	2	0
86	F	5	1728	57	19	2	51	1	64	13	6	2	0	0	0	0	0	4	0	0	1
87	F	5	1737	80	24	41	0	0	2	0	0	0	1	1	0	5	2	0	0	0	0
88	F	5	1740	50	57	34	43	24	7	9	0	0	2	0	1	0	0	2	0	0	0
89	F	5	1741	32	40	24	21	15	1	1	0	2	3	0	0	0	1	3	1	1	3
90	F	5	1743	13	68	55	31	72	42	56	6	30	72	63	37	45	57	68	12	72	66
91	F	5	1748	28	39	5	0	0	0	0	0	0	0	0	0	2	0	0	4	0	0
92	F	5	1752	55	60	57	58	68	80	71	83	46	74	73	39	13	51	56	72	61	62
93	F	5	1766	54	66	61	76	78	43	73	75	62	27	77	78	66	69	68	75	44	74
94	F	5	1773	8	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	18
95	F	5	1778	62	58	50	46	44	60	49	63	58	54	47	71	26	2	0	13	3	1
96	F	5	1784	54	59	70	55	58	55	63	71	70	55	65	50	68	73	48	39	27	77
97	F	5	1788	1	0	1	0	0	0	0	0	0	10	30	14	0	0	0	0	0	0
98	F	5	1789	84	72	65	37	0	0	0	2	3	37	89	85	81	87	76	69	67	68
99	F	5	1793	52	36	51	3	1	12	0	4	0	0	1	0	0	0	4	34	51	40
100	F	5	1798	58	71	69	74	62	69	23	70	76	59	67	77	78	30	86	86	67	90
101	M	1	1402	37	27	38	42	48	31	25	19	4	24	9	0	6	5	3	2	4	5
102	M	1	1408	4	0	26	11	2	58	41	4	3	1	0	1	0	0	0	0	3	3
103	M	1	1422	31	34	24	12	36	65	42	39	10	2	4	2	1	3	1	4	10	0
104	M	1	1431	56	66	57	68	33	62	72	64	71	43	76	67	39	67	74	41	64	9
105	M	1	1436	42	22	8	0	0	0	0	0	6	37	13	35	7	0	0	0	2	0
106	M	1	1447	21	0	11	18	46	2	0	0	2	1	0	1	2	0	0	0	0	0
107	M	1	1450	47	46	20	28	71	54	41	3	9	58	77	58	56	43	1	5	4	1
108	M	1	1457	22	36	20	48	19	0	1	0	0	0	0	0	0	1	0	0	0	0
109	M	1	1462	92	82	72	88	94	86	86	80	85	95	84	86	78	95	73	56	95	87
110	M	1	1467	86	70	54	48	75	83	56	55	71	0	2	0	0	3	0	1	24	14
111	M	1	1468	81	69	80	73	74	72	73	87	72	3	0	0	6	3	4	1	1	3
112	M	1	1470	17	13	52	42	0	0	0	1	1	2	0	2	2	0	0	0	4	12
113	M	1	1472	68	10	29	0	29	2	0	2	0	0	0	4	0	5	1	0	2	1
114	M	1	1477	60	44	66	17	26	14	1	6	3	0	3	26	63	14	4	1	0	4
115	M	1	1481	75	68	70	77	57	87	73	72	59	60	61	70	67	58	71	72	52	70
116	M	1	1485	78	22	43	70	71	71	43	67	16	5	10	0	4	2	0	13	4	3
117	M	1	1486	46	58	14	1	0	6	27	63	55	50	2	0	3	4	0	5	0	2
118	M	1	1490	21	1	21	0	0	9	40	76	86	75	68	9	0	1	0	0	0	0
119	M	1	1494	1	18	10	0	0	4	0	0	0	4	11	55	36	51	20	0	0	0
120	M	1	1496	7	0	0	0	7	0	26	2	0	1	0	6	55	52	41	46	62	64
121	M	2	1405	75	78	29	0	7	7	3	0	3	1	5	0	0	1	0	4	6	0
122	M	2	1406	76	44	41	46	1	8	2	1	0	4	1	2	0	6	1	0	5	0

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
123	M	2	1411	30	69	61	63	22	66	13	65	61	50	16	0	1	0	1	0	2	0
124	M	2	1412	13	0	0	0	0	0	4	4	0	5	9	5	0	2	0	0	0	1
125	M	2	1413	41	79	70	86	28	96	80	85	93	79	75	90	79	88	71	63	84	87
126	M	2	1418	61	42	2	1	0	2	1	28	12	64	38	68	53	0	0	0	1	1
127	M	2	1434	74	38	59	63	5	3	1	2	4	4	0	1	4	7	2	1	1	6
128	M	2	1446	54	75	58	65	66	50	54	59	55	56	48	48	74	63	58	57	59	75
129	M	2	1453	54	49	47	18	45	0	0	0	9	36	62	32	43	9	9	1	8	1
130	M	2	1455	81	66	75	69	91	86	85	68	96	83	92	96	92	87	57	90	84	84
131	M	2	1456	53	24	20	11	7	4	1	0	3	4	0	0	5	1	10	0	4	5
132	M	2	1460	50	55	72	66	0	0	1	3	0	1	0	5	3	0	2	11	0	0
133	M	2	1463	54	54	52	52	58	21	40	16	1	39	1	5	1	30	60	3	4	11
134	M	2	1469	81	45	60	35	86	81	47	23	0	3	5	0	1	0	0	3	4	1
135	M	2	1471	67	56	43	59	6	0	5	1	0	7	3	5	22	47	57	53	41	40
136	M	2	1475	91	81	59	61	31	3	0	0	0	0	13	51	12	1	2	1	0	4
137	M	2	1479	52	48	21	0	7	8	42	9	0	0	10	39	39	26	0	0	1	0
138	M	2	1482	69	87	70	3	5	0	7	2	12	29	57	74	65	53	0	51	24	13
139	M	2	1495	18	52	79	15	1	57	76	72	55	32	65	0	0	0	0	1	1	0
140	M	2	1500	32	78	66	71	69	55	65	73	5	2	3	4	0	10	5	7	41	74
141	M	3	1403	29	12	18	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
142	M	3	1404	63	73	64	89	59	90	68	95	61	57	88	53	2	0	2	0	0	8
143	M	3	1409	44	65	61	69	63	58	63	57	11	28	22	4	1	5	0	5	72	17
144	M	3	1415	69	70	43	52	82	27	5	4	5	0	1	2	0	1	3	7	1	42
145	M	3	1416	4	14	11	8	14	16	19	0	11	0	35	39	0	1	0	0	0	0
146	M	3	1417	45	0	61	11	3	6	1	3	0	1	3	2	7	2	2	2	1	8
147	M	3	1421	70	65	52	42	5	20	13	5	1	0	0	0	11	54	58	68	64	55
148	M	3	1425	72	74	67	53	75	58	63	70	59	50	53	1	7	1	2	17	4	0
149	M	3	1430	7	12	13	49	86	24	1	0	2	1	0	1	0	2	0	0	1	1
150	M	3	1435	58	31	8	15	0	0	2	0	1	1	0	0	1	2	0	0	8	27
151	M	3	1442	40	9	0	10	7	0	0	0	0	0	0	1	0	2	0	0	0	2
152	M	3	1444	83	64	64	73	65	76	64	28	6	3	1	6	1	0	0	23	3	0
153	M	3	1449	5	0	6	3	0	0	0	1	1	1	1	0	4	11	0	0	1	0
154	M	3	1454	13	22	45	25	76	20	57	74	40	0	0	5	0	2	8	5	12	27
155	M	3	1458	33	11	5	0	1	4	1	0	2	2	3	22	8	0	3	1	1	0
156	M	3	1461	20	13	3	0	1	1	0	1	1	1	29	75	95	73	53	83	60	37
157	M	3	1480	38	11	81	37	2	13	33	14	56	69	40	76	6	1	4	2	3	0
158	M	3	1491	57	32	35	27	45	38	64	68	7	55	59	46	57	48	40	0	3	1
159	M	3	1492	43	10	44	38	28	57	42	58	8	37	14	43	62	43	56	50	2	41
160	M	3	1499	59	68	45	0	70	55	35	8	1	6	1	14	28	71	74	65	67	64
161	M	4	1401	20	34	21	8	0	0	2	5	0	0	14	11	5	3	0	6	2	0
162	M	4	1407	7	76	66	31	0	0	0	2	0	1	0	1	1	1	0	0	0	0
163	M	4	1414	86	52	41	65	59	42	40	49	39	39	3	4	8	0	5	4	2	0
164	M	4	1419	73	56	60	7	55	58	61	10	1	9	0	3	1	12	2	1	0	1
165	M	4	1426	26	35	22	53	14	1	3	5	46	21	2	5	0	2	6	1	2	18
166	M	4	1429	83	31	69	36	31	66	6	0	6	32	64	72	59	44	70	63	60	0
167	M	4	1432	19	64	53	0	0	0	0	0	2	0	0	6	1	5	3	0	0	2
168	M	4	1433	30	51	28	49	14	42	33	30	41	22	9	36	25	49	22	57	32	2
169	M	4	1438	4	7	9	0	0	0	1	1	10	7	0	0	1	4	0	0	0	0
170	M	4	1439	66	80	64	55	60	22	0	0	32	8	0	47	78	55	62	31	2	4
171	M	4	1445	16	12	6	0	0	0	0	2	1	1	0	0	0	0	2	0	0	1
172	M	4	1451	47	10	17	44	42	64	57	66	52	62	63	61	62	70	72	73	56	68
173	M	4	1459	47	28	25	52	86	41	30	69	71	74	46	5	2	0	0	3	0	2
174	M	4	1464	21	0	0	0	0	0	20	2	3	0	4	0	0	0	2	0	3	0
175	M	4	1465	32	20	12	0	28	9	0	1	0	1	3	1	0	2	0	0	0	0
176	M	4	1474	17	12	42	18	2	1	1	1	4	6	71	94	85	79	44	11	45	30
177	M	4	1476	15	70	37	9	47	62	7	68	59	3	0	2	70	82	35	0	39	8
178	M	4	1483	11	23	11	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1
179	M	4	1487	56	50	62	40	65	54	74	63	70	64	56	7	4	75	64	64	62	7
180	M	4	1497	80	79	60	82	38	0	0	0	4	2	1	5	0	0	0	3	0	8
181	M	5	1410	40	25	49	1	67	2	86	67	30	74	8	0	0	0	0	47	29	58
182	M	5	1420	62	77	77	76	44	62	72	73	4	34	3	45	24	80	72	73	81	70
183	M	5	1423	52	28	57	65	35	65	66	41	3	1	3	1	1	7	12	3	2	2

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OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
184	M	5	1424	61	65	64	82	49	59	75	62	64	67	49	57	50	68	78	52	70	31
185	M	5	1427	22	25	24	37	4	6	1	0	0	0	0	0	0	0	0	2	0	3
186	M	5	1428	18	32	16	63	51	8	0	0	2	47	64	40	55	56	3	1	0	5
187	M	5	1437	62	39	26	16	4	1	5	9	1	0	0	3	12	1	4	3	0	10
188	M	5	1440	63	73	29	24	37	3	0	2	0	3	0	1	0	9	5	0	0	4
189	M	5	1441	3	6	11	65	43	38	67	4	0	1	3	0	0	0	0	0	0	0
190	M	5	1443	73	75	86	77	87	84	75	108	73	43	6	0	3	0	2	0	11	1
191	M	5	1448	61	26	13	0	0	1	1	5	2	16	66	63	21	16	2	1	3	0
192	M	5	1452	72	12	0	39	72	71	58	71	31	2	5	0	9	4	0	6	3	7
193	M	5	1466	97	82	77	77	72	66	86	99	72	79	64	71	81	55	2	2	2	1
194	M	5	1473	7	0	0	0	4	2	0	1	0	0	1	1	4	4	15	46	9	12
195	M	5	1478	23	26	14	10	8	0	8	12	52	8	27	40	9	2	1	0	1	1
196	M	5	1484	0	14	24	1	0	1	16	12	0	1	4	0	0	2	0	4	6	3
197	M	5	1486	31	20	22	11	0	5	0	0	0	2	0	2	5	0	0	0	3	0
198	M	5	1489	58	60	66	31	0	0	9	2	16	5	1	6	0	0	2	15	35	70
199	M	5	1493	56	58	34	19	52	52	28	1	3	3	0	9	1	4	0	1	1	0
200	M	5	1498	42	37	7	1	0	2	8	0	0	7	16	60	63	82	77	105	70	68

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General Linear Models Procedure
Class Level Information

Class	Levels	Values
GROUP	5	1 2 3 4 5
SEX	2	F M

Number of observations in data set = 200

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Repeated Measures Level Information

Dependent Variable	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12
Level of BLOCK	1	2	3	4	5	6	7	8	9	10	11	12
Dependent Variable	N13	N14	N15	N16	N17	N18						
Level of BLOCK	13	14	15	16	17	18						

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK Effect
H = Type III SS&CP Matrix for BLOCK E = Error SS&CP Matrix

S=1 M=7.5 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.48896800	10.6971	17	174	0.0001
Pillai's Trace	0.51103200	10.6971	17	174	0.0001
Hotelling-Lawley Trace	1.04512362	10.6971	17	174	0.0001
Roy's Greatest Root	1.04512362	10.6971	17	174	0.0001

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP Effect
H = Type III SS&CP Matrix for BLOCK*GROUP E = Error SS&CP Matrix

S=4 M=6 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.68971397	1.0004	68	685.1439	0.4796
Pillai's Trace	0.35145664	1.0029	68	708	0.4738
Hotelling-Lawley Trace	0.39320026	0.9975	68	690	0.4860
Roy's Greatest Root	0.15479121	1.6116	17	177	0.0653

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK*SEX Effect
H = Type III SS&CP Matrix for BLOCK*SEX E = Error SS&CP Matrix

S=1 M=7.5 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.88758835	1.2963	17	174	0.1995
Pillai's Trace	0.11241165	1.2963	17	174	0.1995
Hotelling-Lawley Trace	0.12664841	1.2963	17	174	0.1995
Roy's Greatest Root	0.12664841	1.2963	17	174	0.1995

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General Linear Models Procedure
Repeated Measures Analysis of Variance

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP*SEX Effect
H = Type III SS&CP Matrix for BLOCK*GROUP*SEX E = Error SS&CP Matrix

S=4 M=6 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.71803290	0.8874	68	685.1439	0.7270
Pillai's Trace	0.31630778	0.8940	68	708	0.7137
Hotelling-Lawley Trace	0.34721066	0.8808	68	690	0.7402
Roy's Greatest Root	0.12999786	1.3535	17	177	0.1651

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Tests of Hypotheses for Between Subjects Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F
GROUP	4	15765.27111111	3941.31777778	0.60	0.6609
SEX	1	30.43361111	30.43361111	0.00	0.9457
GROUP*SEX	4	19246.39000000	4811.59750000	0.74	0.5683
Error	190	1241738.09166667	6535.46364035		

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Univariate Tests of Hypotheses for Within Subject Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted Pr > F G - G	Adjusted Pr > F H - F
BLOCK	17	217385.944722	12787.408513	29.84	0.0001	0.0001	0.0001
BLOCK*GROUP	68	23873.178889	351.076160	0.82	0.8551	0.7196	0.7304
BLOCK*SEX	17	7532.051389	443.061846	1.03	0.4165	0.4024	0.4044
BLOCK*GROUP*SEX	68	26334.600000	387.273529	0.90	0.6981	0.6008	0.6080
Error(BLOCK)	3230	1384143.058333	428.527263				

Greenhouse-Geisser Epsilon = 0.3665
Huynh-Feldt Epsilon = 0.3983

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OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
1	F	1	1702	55	3	9	14	0	0	0	0	5	0	1	5	0	4	0	3	0	4
2	F	1	1708	25	26	0	0	0	0	0	2	0	25	34	63	51	14	38	32	0	0
3	F	1	1722	50	49	35	0	0	41	14	2	0	0	6	5	19	38	20	55	46	50
4	F	1	1731	56	33	21	32	19	64	16	0	0	0	4	52	70	48	7	33	23	0
5	F	1	1736	56	30	22	0	27	36	28	3	0	0	0	14	0	0	0	2	0	0
6	F	1	1747	0	6	8	0	0	0	0	0	0	0	0	6	4	0	0	0	0	0
7	F	1	1750	45	52	28	39	42	18	4	1	15	41	40	0	0	2	0	0	0	2
8	F	1	1757	19	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
9	F	1	1762	69	45	11	6	0	0	1	0	1	4	1	0	27	6	1	59	59	34
10	F	1	1767	65	67	47	17	24	28	47	22	9	2	7	0	1	16	40	61	66	59
11	F	1	1768	89	23	57	23	0	0	0	0	0	0	1	1	2	0	0	0	1	0
12	F	1	1770	48	0	20	57	40	0	0	0	0	0	0	0	1	0	0	0	1	0
13	F	1	1772	59	64	46	28	9	1	0	29	60	30	26	51	40	28	2	0	0	0
14	F	1	1777	63	25	44	31	2	0	0	0	0	0	15	54	58	41	56	68	58	8
15	F	1	1781	76	64	33	56	64	18	42	51	8	2	29	74	31	2	1	1	2	3
16	F	1	1785	55	70	62	57	58	12	1	0	22	0	4	2	0	0	1	0	0	0
17	F	1	1786	54	66	43	60	59	44	0	0	0	0	4	1	0	5	4	2	4	2
18	F	1	1790	17	32	43	0	20	0	0	9	71	60	1	28	0	0	0	15	56	66
19	F	1	1794	43	48	5	85	13	0	14	44	0	0	0	0	0	0	0	0	0	1
20	F	1	1796	58	46	55	24	35	5	39	67	25	0	1	2	0	0	0	1	39	64
21	F	2	1705	73	66	34	53	42	32	31	0	0	29	42	9	53	19	0	0	3	0
22	F	2	1706	78	41	66	39	52	22	46	55	27	50	61	54	2	0	1	7	0	0
23	F	2	1711	52	41	33	3	0	1	5	3	7	4	13	51	29	1	0	3	0	0
24	F	2	1712	6	10	4	0	0	1	2	2	0	0	0	1	0	0	6	15	41	0
25	F	2	1713	16	0	0	6	20	0	0	0	0	0	2	1	0	3	0	0	1	1
26	F	2	1718	61	14	47	52	13	7	1	1	2	0	0	0	1	0	7	41	50	21
27	F	2	1734	76	70	8	0	0	3	1	3	2	10	0	1	5	1	8	57	51	0
28	F	2	1746	55	37	3	0	0	0	0	1	0	1	0	0	4	1	0	0	1	0
29	F	2	1753	42	2	3	4	3	1	2	2	1	3	3	0	5	1	5	4	0	4
30	F	2	1755	59	5	0	0	0	4	7	0	6	0	1	0	3	2	0	1	1	1
31	F	2	1756	46	46	17	0	0	0	0	0	0	0	0	2	0	0	1	7	47	34
32	F	2	1760	63	77	13	0	0	0	1	3	1	2	2	0	4	2	7	0	6	5
33	F	2	1763	55	35	31	11	1	0	1	8	1	4	0	35	56	38	45	52	20	19
34	F	2	1769	85	45	45	53	27	14	1	0	1	0	1	0	1	0	0	3	0	1
35	F	2	1771	67	46	30	54	40	9	0	1	0	0	0	0	3	0	1	0	1	0
36	F	2	1775	64	47	65	68	28	4	0	1	2	0	1	5	0	0	5	1	0	0
37	F	2	1779	15	30	0	0	0	0	0	0	11	28	35	0	22	44	29	8	53	19
38	F	2	1782	55	64	48	53	32	53	59	46	38	46	13	20	34	16	17	68	66	56
39	F	2	1795	47	40	26	49	39	1	0	3	2	1	0	0	1	1	3	0	4	6
40	F	2	1800	85	55	61	60	54	53	50	58	27	5	3	55	59	36	2	1	0	0
41	F	3	1703	46	15	28	12	50	31	52	11	45	41	41	25	56	35	36	28	6	29
42	F	3	1704	55	46	21	11	24	63	58	31	1	0	11	0	7	0	2	5	0	3
43	F	3	1709	75	75	86	25	2	1	0	3	0	3	3	3	0	17	65	14	0	3
44	F	3	1715	25	63	56	7	15	40	43	24	23	58	46	0	3	0	1	0	3	1
45	F	3	1716	22	41	37	13	48	42	2	16	46	43	55	45	55	14	1	0	42	67
46	F	3	1717	74	11	1	1	9	1	19	0	1	1	2	3	1	4	10	12	59	44
47	F	3	1721	65	18	0	49	24	0	3	0	2	4	4	0	8	38	13	62	2	3
48	F	3	1725	61	28	8	24	2	55	73	8	36	48	49	15	0	1	2	0	0	3
49	F	3	1730	81	63	78	55	58	76	65	58	73	66	65	65	48	66	68	66	69	54
50	F	3	1735	68	51	17	40	23	0	0	0	0	6	0	0	0	1	0	0	0	0
51	F	3	1742	47	38	0	0	0	0	0	0	46	22	34	27	53	64	15	26	42	66
52	F	3	1744	70	66	59	58	19	34	72	37	54	53	25	2	0	0	0	0	0	0
53	F	3	1749	36	62	63	6	16	6	39	59	0	0	5	44	29	20	1	1	0	0
54	F	3	1754	86	49	21	51	20	3	0	0	1	1	3	0	0	1	0	0	2	0
55	F	3	1758	58	17	34	1	31	25	0	5	15	0	2	0	0	0	0	1	2	19
56	F	3	1761	69	57	47	55	48	49	49	22	38	40	55	16	9	0	3	1	0	2
57	F	3	1780	27	45	31	79	17	0	7	0	4	1	6	0	0	0	0	1	0	0
58	F	3	1791	64	51	23	24	19	6	0	1	0	1	1	0	1	0	0	0	0	11
59	F	3	1792	45	34	1	0	0	0	0	0	0	0	0	11	41	62	29	0	15	3
60	F	3	1799	60	62	40	53	5	36	13	34	21	0	2	2	0	3	0	0	0	4
61	F	4	1701	89	43	72	36	51	17	52	81	83	70	68	9	0	8	3	0	1	0

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
62	F	4	1707	54	22	2	11	15	2	55	70	61	29	0	0	0	0	0	3	0	2
63	F	4	1714	66	73	61	65	53	47	51	18	42	59	44	55	55	40	45	32	34	39
64	F	4	1719	18	25	23	29	23	0	0	0	27	65	2	0	0	0	0	0	0	0
65	F	4	1726	58	72	45	74	56	5	6	0	4	32	3	2	2	0	4	4	0	1
66	F	4	1729	59	4	1	0	11	10	2	50	33	10	1	0	1	2	0	2	1	2
67	F	4	1732	46	55	20	41	33	42	54	34	27	0	0	2	9	65	54	57	41	57
68	F	4	1733	76	44	47	9	3	19	64	46	39	67	61	62	40	59	44	79	58	13
69	F	4	1738	61	3	0	8	0	0	1	0	0	0	0	2	14	44	18	61	54	27
70	F	4	1739	70	63	47	35	1	25	55	29	0	17	32	29	3	1	3	0	0	0
71	F	4	1745	64	11	11	5	0	2	0	2	3	0	1	2	0	4	1	0	0	0
72	F	4	1751	75	60	63	47	1	0	2	0	0	4	2	1	23	59	66	51	55	57
73	F	4	1759	67	27	20	1	0	1	0	43	37	0	2	1	1	1	1	0	0	2
74	F	4	1764	64	37	35	31	27	28	50	31	0	0	0	0	1	0	0	10	2	0
75	F	4	1765	57	29	55	47	17	58	30	17	0	4	0	0	0	0	0	0	0	2
76	F	4	1774	47	66	23	43	19	0	0	0	1	5	2	0	4	0	0	4	14	12
77	F	4	1776	57	42	15	19	50	42	34	9	16	54	45	64	33	53	9	30	55	34
78	F	4	1783	37	23	75	12	20	10	0	52	90	42	0	2	0	1	5	2	0	1
79	F	4	1787	54	55	18	54	26	27	32	10	0	0	0	0	0	0	4	7	0	0
80	F	4	1797	66	32	30	12	13	82	77	35	0	0	0	0	0	0	0	0	0	1
81	F	5	1710	46	54	20	11	0	0	1	0	1	1	0	1	0	3	1	0	0	1
82	F	5	1720	41	41	62	6	14	43	66	23	0	0	1	2	0	1	0	0	0	0
83	F	5	1723	63	26	32	3	4	16	1	0	2	0	3	5	12	21	48	15	35	9
84	F	5	1724	79	45	58	65	14	13	45	3	0	15	15	0	3	0	2	10	66	89
85	F	5	1727	64	24	55	17	30	0	6	0	1	0	7	1	0	0	0	0	0	3
86	F	5	1728	36	53	46	34	2	22	48	6	0	0	4	0	0	0	0	3	17	4
87	F	5	1737	59	29	5	1	0	0	3	0	2	0	3	0	1	0	4	0	3	1
88	F	5	1740	60	35	26	27	20	36	16	0	0	1	0	0	0	1	2	1	4	0
89	F	5	1741	49	40	4	13	4	2	2	2	0	0	1	1	0	1	0	5	0	0
90	F	5	1743	68	51	14	6	14	47	44	9	0	1	0	0	3	3	2	0	1	0
91	F	5	1748	58	1	0	0	1	0	0	6	2	1	0	0	1	2	2	14	46	67
92	F	5	1752	45	36	34	52	47	1	1	4	6	5	1	4	0	0	1	4	4	0
93	F	5	1766	47	66	72	32	77	47	61	65	33	4	3	1	8	3	2	1	3	2
94	F	5	1773	25	23	14	16	0	0	0	0	0	0	1	4	0	0	1	0	0	0
95	F	5	1778	57	20	4	27	54	7	0	10	0	2	0	10	44	9	0	0	3	0
96	F	5	1784	58	44	39	0	2	1	3	0	1	0	1	1	0	1	4	1	1	0
97	F	5	1788	55	75	35	32	19	36	61	59	20	15	30	53	7	0	0	1	0	0
98	F	5	1789	68	64	21	0	47	56	59	68	11	1	7	0	2	2	0	0	6	2
99	F	5	1793	34	53	55	39	41	42	47	45	48	14	3	0	0	2	1	2	1	0
100	F	5	1798	79	54	73	59	47	46	63	59	55	41	71	68	69	53	13	0	3	0
101	M	1	1402	47	49	65	17	3	4	3	3	0	0	7	3	1	7	1	0	8	2
102	M	1	1408	49	62	9	0	0	1	0	0	1	1	16	60	12	54	32	39	3	0
103	M	1	1422	57	2	64	15	2	0	2	3	3	0	0	0	5	15	26	0	0	0
104	M	1	1431	49	40	41	0	0	4	0	0	2	0	0	1	6	21	11	0	1	4
105	M	1	1436	29	32	1	0	0	0	0	0	0	0	0	26	14	0	0	3	0	1
106	M	1	1447	36	39	0	0	19	23	1	0	0	0	0	0	2	1	0	0	0	0
107	M	1	1450	77	33	58	54	45	64	68	16	20	4	3	3	16	33	16	11	0	1
108	M	1	1457	50	23	32	0	0	0	0	0	0	0	1	1	0	0	2	0	4	0
109	M	1	1462	69	87	61	20	4	3	7	5	2	0	9	1	0	16	2	6	7	4
110	M	1	1467	80	54	41	12	7	2	0	5	0	4	1	0	8	11	48	61	42	8
111	M	1	1468	69	77	60	55	65	26	0	3	0	29	43	18	0	2	3	0	2	0
112	M	1	1470	56	52	6	0	0	0	8	7	61	61	31	0	0	0	0	0	0	0
113	M	1	1472	60	85	32	37	0	0	0	16	69	53	52	0	0	1	0	0	0	0
114	M	1	1477	79	63	6	0	1	4	2	2	6	21	48	37	5	1	5	2	0	4
115	M	1	1481	84	82	78	63	65	75	43	73	47	68	31	43	43	48	35	47	64	53
116	M	1	1485	61	68	27	0	0	0	2	0	0	3	2	4	0	2	3	2	6	28
117	M	1	1486	75	64	32	36	25	50	27	37	0	24	19	60	30	23	0	0	0	0
118	M	1	1490	74	52	29	4	0	0	21	25	3	6	10	2	6	48	66	75	44	58
119	M	1	1494	62	48	17	54	42	50	45	52	1	1	11	3	0	0	0	3	0	1
120	M	1	1496	51	50	46	2	57	49	45	8	8	15	41	48	27	9	34	1	5	0
121	M	2	1405	64	79	56	74	84	65	4	4	0	2	0	0	0	0	7	54	71	77
122	M	2	1406	72	44	40	4	0	4	1	0	18	6	3	1	17	56	50	54	5	0

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OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
123	M	2	1411	26	0	2	1	55	52	38	14	12	0	0	0	1	0	1	1	0	0
124	M	2	1412	72	39	10	52	6	0	2	0	0	0	2	1	0	0	0	2	0	4
125	M	2	1413	47	29	70	1	0	0	0	0	2	0	0	0	0	1	0	0	1	5
126	M	2	1418	64	70	72	21	65	68	55	22	1	0	0	0	0	42	86	52	74	70
127	M	2	1434	69	63	14	43	74	32	1	3	3	23	42	80	66	71	74	73	0	8
128	M	2	1446	60	49	41	40	34	55	22	27	33	16	0	2	0	1	1	4	0	1
129	M	2	1453	62	32	0	14	0	0	1	0	0	0	0	0	1	1	0	0	4	0
130	M	2	1455	80	29	66	16	1	3	1	0	34	0	14	32	74	76	80	88	69	78
131	M	2	1456	64	74	32	43	14	53	27	1	2	5	0	0	14	8	0	2	0	3
132	M	2	1460	76	48	50	19	0	0	2	0	2	7	0	0	2	0	2	0	1	0
133	M	2	1463	55	43	60	28	35	1	0	0	6	17	74	20	17	25	51	5	62	46
134	M	2	1469	80	63	51	6	62	22	9	0	2	0	1	0	1	1	0	0	0	0
135	M	2	1471	67	43	4	41	22	5	2	5	3	0	2	2	5	5	2	4	2	3
136	M	2	1475	69	48	67	67	76	72	33	24	2	20	1	8	2	6	0	0	0	0
137	M	2	1479	36	54	44	11	17	1	14	15	0	2	2	1	6	0	2	2	0	0
138	M	2	1482	76	46	52	33	62	0	36	20	28	13	79	64	34	57	35	36	57	4
139	M	2	1495	67	38	26	1	20	58	32	7	0	2	1	0	0	0	2	8	46	69
140	M	2	1500	74	64	62	68	67	76	71	59	76	64	55	62	63	65	65	65	57	31
141	M	3	1403	20	33	10	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0
142	M	3	1404	82	48	8	0	12	17	20	0	6	27	43	12	1	2	3	1	0	0
143	M	3	1409	82	86	20	0	0	3	4	0	5	4	1	28	47	57	46	12	0	2
144	M	3	1415	59	41	13	2	1	0	2	2	1	0	0	12	8	2	2	1	7	16
145	M	3	1416	52	38	37	0	0	1	0	0	0	1	0	0	0	7	21	59	41	48
146	M	3	1417	68	38	7	41	42	1	2	1	1	1	0	2	3	0	4	0	1	0
147	M	3	1421	52	53	49	46	61	16	2	0	0	4	4	0	2	0	8	6	3	59
148	M	3	1425	80	69	40	16	11	0	0	67	61	36	53	15	60	62	24	45	59	22
149	M	3	1430	61	33	3	12	0	0	0	0	0	1	0	0	0	1	19	12	9	5
150	M	3	1435	75	51	6	11	0	0	0	1	0	37	24	0	2	0	0	1	0	1
151	M	3	1442	59	44	41	37	0	0	53	71	36	24	6	0	1	3	29	56	30	40
152	M	3	1444	79	49	33	30	50	30	0	2	2	44	25	0	1	2	0	1	1	2
153	M	3	1449	58	0	11	1	26	0	0	0	0	5	4	1	0	0	1	14	56	48
154	M	3	1454	72	63	54	34	12	1	2	1	1	1	0	1	8	50	54	62	47	51
155	M	3	1458	75	64	22	2	0	3	0	0	19	3	2	3	3	3	4	1	3	4
156	M	3	1461	74	71	88	76	75	58	51	2	0	7	0	4	1	1	0	0	0	0
157	M	3	1480	75	49	28	48	52	4	0	0	0	1	11	4	0	3	0	1	0	2
158	M	3	1491	82	29	57	1	17	0	1	8	0	1	1	0	0	4	30	51	72	20
159	M	3	1492	65	10	13	0	0	0	0	1	4	7	53	37	30	10	18	14	27	0
160	M	3	1499	78	77	21	24	0	0	7	1	0	5	2	0	0	0	9	11	3	49
161	M	4	1401	59	44	45	67	48	12	1	0	1	0	3	1	0	1	1	2	3	0
162	M	4	1407	72	86	64	59	48	40	16	0	0	2	0	0	0	1	0	0	3	9
163	M	4	1414	27	47	18	8	73	52	51	12	0	7	2	31	0	2	5	2	4	0
164	M	4	1419	60	15	59	14	57	15	58	0	0	0	2	2	28	72	63	69	75	15
165	M	4	1426	45	72	51	0	15	0	1	1	0	3	2	0	8	4	0	0	5	2
166	M	4	1429	93	60	14	0	0	2	0	50	36	2	1	0	0	1	4	0	0	0
167	M	4	1432	64	38	22	0	0	0	1	0	0	0	2	0	1	0	0	0	0	2
168	M	4	1433	55	45	44	23	18	6	3	39	38	51	56	29	28	49	2	0	1	0
169	M	4	1438	41	15	1	0	0	0	0	0	1	0	3	0	7	3	7	61	38	11
170	M	4	1439	86	65	68	5	2	1	8	7	0	1	13	0	0	15	98	79	68	47
171	M	4	1445	56	41	29	3	1	2	10	0	3	1	0	1	0	1	4	1	0	0
172	M	4	1451	88	37	49	52	21	23	12	3	1	16	0	0	0	0	1	21	59	42
173	M	4	1459	62	61	40	17	4	5	0	8	1	29	8	5	4	2	0	21	35	13
174	M	4	1464	68	37	14	32	4	0	0	1	0	0	0	0	0	0	15	22	46	35
175	M	4	1465	84	52	45	29	25	6	41	5	0	60	75	28	34	46	22	1	0	3
176	M	4	1474	67	2	11	20	31	0	14	0	2	4	14	12	3	1	0	0	3	1
177	M	4	1476	66	59	29	15	0	0	0	2	1	0	0	1	62	62	54	45	18	43
178	M	4	1483	3	23	0	3	1	0	5	30	3	18	2	0	0	0	1	0	1	0
179	M	4	1487	74	62	49	50	37	10	30	20	7	8	55	30	48	48	72	53	9	1
180	M	4	1497	66	39	55	31	0	3	2	0	10	2	1	0	1	1	0	0	0	1
181	M	5	1410	79	41	36	0	8	0	8	0	3	2	0	0	0	0	0	3	0	34
182	M	5	1420	87	69	58	10	53	59	11	2	5	15	15	3	25	60	69	67	63	36
183	M	5	1423	77	80	63	71	56	2	8	47	66	9	0	18	4	5	0	1	0	0

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OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
184	M	5	1424	44	53	43	61	45	41	67	30	28	0	0	1	0	5	1	0	3	1
185	M	5	1427	62	54	34	64	4	7	1	0	3	0	1	0	0	2	0	0	0	0
186	M	5	1428	38	27	14	0	40	52	0	0	0	3	0	7	0	0	2	0	5	52
187	M	5	1437	90	55	47	2	5	6	3	5	0	1	3	7	1	3	0	0	2	41
188	M	5	1440	91	52	96	61	13	0	0	63	53	17	3	0	3	1	0	0	3	0
189	M	5	1441	48	28	17	0	5	1	1	0	2	0	2	12	26	32	51	39	46	37
190	M	5	1443	81	26	1	0	6	61	23	4	1	0	0	0	0	20	56	59	21	1
191	M	5	1448	71	58	69	55	3	0	1	1	1	2	1	1	0	2	3	1	5	0
192	M	5	1452	65	53	52	20	0	0	3	2	4	33	63	63	28	38	6	2	0	0
193	M	5	1466	78	75	46	51	64	34	28	54	4	39	21	4	17	1	3	8	6	0
194	M	5	1473	66	31	59	12	34	53	0	32	0	0	1	0	1	0	0	1	0	1
195	M	5	1478	56	47	9	37	9	10	2	0	0	0	0	0	0	4	1	14	41	43
196	M	5	1484	80	43	60	55	20	0	0	1	8	2	6	0	0	5	4	0	34	1
197	M	5	1488	50	60	61	55	40	44	31	36	37	10	0	1	0	0	0	0	0	0
198	M	5	1489	74	49	60	43	47	61	35	10	6	6	16	0	4	5	9	67	63	6
199	M	5	1493	68	65	68	8	30	39	4	6	2	16	55	75	30	1	5	4	2	0
200	M	5	1498	65	62	8	1	0	0	5	4	0	2	0	5	0	4	0	6	36	70

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General Linear Models Procedure
Class Level Information

Class	Levels	Values
GROUP	5	1 2 3 4 5
SEX	2	F M

Number of observations in data set = 200

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Repeated Measures Level Information

Dependent Variable	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12
Level of BLOCK	1	2	3	4	5	6	7	8	9	10	11	12
Dependent Variable	N13	N14	N15	N16	N17	N18						
Level of BLOCK	13	14	15	16	17	18						

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK Effect
H = Type III SS&CP Matrix for BLOCK E = Error SS&CP Matrix

S=1 M=7.5 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.10484695	87.3860	17	174	0.0001
Pillai's Trace	0.89515305	87.3860	17	174	0.0001
Hotelling-Lawley Trace	8.53771180	87.3860	17	174	0.0001
Roy's Greatest Root	8.53771180	87.3860	17	174	0.0001

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP Effect
H = Type III SS&CP Matrix for BLOCK*GROUP E = Error SS&CP Matrix

S=4 M=6 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.68659309	1.0132	68	685.1439	0.4514
Pillai's Trace	0.35595996	1.0171	68	708	0.4429
Hotelling-Lawley Trace	0.39787066	1.0093	68	690	0.4599
Roy's Greatest Root	0.17558379	1.8281	17	177	0.0277

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK*SEX Effect
H = Type III SS&CP Matrix for BLOCK*SEX E = Error SS&CP Matrix

S=1 M=7.5 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.77371390	2.9935	17	174	0.0001
Pillai's Trace	0.22628610	2.9935	17	174	0.0001
Hotelling-Lawley Trace	0.29246740	2.9935	17	174	0.0001
Roy's Greatest Root	0.29246740	2.9935	17	174	0.0001

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General Linear Models Procedure
Repeated Measures Analysis of Variance

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP*SEX Effect
H = Type III SS&CP Matrix for BLOCK*GROUP*SEX E = Error SS&CP Matrix

S=4 M=6 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.66409317	1.1077	68	685.1439	0.2658
Pillai's Trace	0.38409061	1.1060	68	708	0.2685
Hotelling-Lawley Trace	0.43723979	1.1092	68	690	0.2633
Roy's Greatest Root	0.20246871	2.1081	17	177	0.0084

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Tests of Hypotheses for Between Subjects Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F
GROUP	4	2288.13722222	572.03430556	0.26	0.9025
SEX	1	1013.36111111	1013.36111111	0.46	0.4972
GROUP*SEX	4	20826.40277778	5206.60069444	2.38	0.0534
Error	190	416093.28888889	2189.96467836		

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Univariate Tests of Hypotheses for Within Subject Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted G - G	Pr > F H - F
BLOCK	17	607750.738889	35750.043464	105.53	0.0001	0.0001	0.0001 ✓
BLOCK*GROUP	68	24397.152778	358.781658	1.06	0.3486	0.3793	0.3767
BLOCK*SEX	17	20074.618889	1180.859935	3.49	0.0001	0.0006	0.0004 ✓
BLOCK*GROUP*SEX	68	22318.467222	328.212753	0.97	0.5503	0.5162	0.5199
Error(BLOCK)	3230	1094257.911111	338.779539				

Greenhouse-Geisser Epsilon = 0.4563
Huynh-Feldt Epsilon = 0.5001

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
1	F	1	1702	68	62	60	65	41	48	55	28	51	64	57	27	1	3	64	54	54	50
2	F	1	1708	64	62	65	64	61	73	53	44	41	6	1	1	0	1	1	28	57	52
3	F	1	1722	69	60	71	76	71	79	74	62	68	53	51	53	25	2	0	0	0	0
4	F	1	1731	70	81	70	67	80	73	44	18	1	36	55	60	69	15	2	9	3	2
5	F	1	1736	69	57	70	53	66	36	30	35	31	0	0	0	0	1	2	2	1	0
6	F	1	1747	61	64	68	63	33	1	0	2	0	0	1	50	65	35	0	2	1	0
7	F	1	1750	65	72	75	66	67	71	63	74	81	63	33	3	5	2	2	1	3	61
8	F	1	1757	67	59	57	63	70	57	48	57	47	49	50	9	0	0	28	39	59	60
9	F	1	1762	55	66	69	88	72	73	65	73	74	72	56	42	60	51	49	69	59	64
10	F	1	1767	62	72	65	69	54	53	71	78	62	51	54	63	68	76	66	66	19	5
11	F	1	1768	56	79	62	68	55	59	79	53	57	5	0	0	3	0	1	0	0	0
12	F	1	1770	54	68	69	59	59	60	54	62	55	61	68	46	70	64	65	30	16	0
13	F	1	1772	58	60	61	58	49	69	45	59	46	41	60	54	40	3	5	0	0	4
14	F	1	1777	61	73	60	47	59	55	57	73	40	52	11	14	48	58	58	12	0	0
15	F	1	1781	56	63	61	54	72	56	60	48	58	42	67	59	63	63	40	78	68	61
16	F	1	1785	61	60	75	59	39	60	63	59	83	56	65	59	63	65	80	27	13	0
17	F	1	1786	66	64	52	64	58	69	71	62	67	72	66	62	25	0	5	23	77	59
18	F	1	1790	81	64	70	82	66	64	48	23	29	59	64	64	65	50	33	6	31	61
19	F	1	1794	58	55	74	61	48	55	46	25	31	67	42	29	2	0	8	0	5	0
20	F	1	1796	51	54	65	50	59	61	65	50	36	64	54	36	0	1	32	58	52	33
21	F	2	1705	68	55	68	53	61	61	53	35	0	0	0	3	1	1	1	27	41	6
22	F	2	1706	68	65	88	72	79	62	81	52	0	2	2	23	72	81	50	55	2	4
23	F	2	1711	43	37	63	55	60	67	56	52	59	51	34	29	69	62	50	48	64	19
24	F	2	1712	64	72	76	68	77	64	60	69	64	73	29	54	34	7	0	0	0	28
25	F	2	1713	58	57	67	70	73	57	16	0	3	1	6	53	71	59	57	21	1	2
26	F	2	1718	61	74	85	74	72	84	86	88	87	78	83	81	69	1	0	0	32	73
27	F	2	1734	66	84	88	88	93	70	79	88	77	86	76	80	51	34	1	0	4	5
28	F	2	1746	74	63	61	50	40	36	36	1	2	0	0	42	64	24	47	7	1	1
29	F	2	1753	67	60	46	65	58	38	62	28	0	1	0	7	55	30	1	0	1	0
30	F	2	1755	76	75	74	69	91	75	69	65	52	2	6	0	0	44	77	67	66	5
31	F	2	1756	75	61	71	42	46	77	71	51	67	63	72	39	19	0	0	0	0	0
32	F	2	1760	53	59	67	89	88	81	84	77	52	0	11	0	0	0	57	68	67	24
33	F	2	1763	59	67	72	72	59	55	70	62	76	48	58	73	62	54	52	17	0	0
34	F	2	1769	78	72	78	83	75	90	74	42	75	78	84	65	2	1	1	29	58	51
35	F	2	1771	36	58	55	65	50	77	69	43	50	64	65	31	0	0	22	64	14	0
36	F	2	1775	61	65	65	67	66	65	61	46	57	54	52	48	62	25	25	1	0	0
37	F	2	1779	75	88	59	74	73	75	69	43	4	1	1	6	54	62	64	46	18	0
38	F	2	1782	64	56	61	83	64	66	70	48	63	64	80	80	69	64	56	68	51	2
39	F	2	1795	58	74	56	65	60	60	55	53	1	0	25	72	59	58	41	57	11	0
40	F	2	1800	56	65	66	68	77	75	67	75	63	77	68	68	74	74	70	4	0	1
41	F	3	1703	65	60	44	63	76	64	74	21	1	1	2	0	22	2	1	6	4	1
42	F	3	1704	55	55	66	62	59	41	69	59	57	49	58	67	52	32	3	0	40	63
43	F	3	1709	48	49	79	70	61	74	50	21	0	0	5	66	45	3	3	0	1	4
44	F	3	1715	59	52	51	62	64	68	73	72	68	63	68	73	81	63	65	16	7	1
45	F	3	1716	49	49	47	43	60	48	0	0	29	65	66	45	29	1	0	0	0	0
46	F	3	1717	50	68	60	66	71	61	73	52	13	3	0	0	0	2	0	0	21	2
47	F	3	1721	60	64	76	62	78	53	22	2	4	4	3	17	76	77	79	42	24	5
48	F	3	1725	68	65	66	64	65	67	54	44	59	67	70	55	1	0	0	10	34	51
49	F	3	1730	42	33	46	75	50	48	58	71	54	57	48	9	4	1	0	26	0	0
50	F	3	1735	72	67	60	70	46	63	62	67	55	67	23	14	66	67	57	44	79	63
51	F	3	1742	55	49	65	65	56	58	66	56	51	80	54	73	61	70	79	48	9	1
52	F	3	1744	75	67	79	72	61	40	59	67	67	25	40	60	59	58	52	50	6	0
53	F	3	1749	62	64	67	66	76	75	64	22	0	38	67	59	55	74	42	0	0	3
54	F	3	1754	65	60	72	69	81	68	58	69	74	81	70	54	18	1	1	0	1	3
55	F	3	1758	63	65	72	69	69	75	61	46	50	55	61	54	72	21	0	1	0	3
56	F	3	1761	54	61	70	48	56	57	75	63	55	64	64	66	48	53	57	0	3	0
57	F	3	1780	67	72	87	66	66	58	38	0	0	22	60	64	55	17	14	1	0	0
58	F	3	1791	64	59	65	63	61	57	51	64	25	47	39	33	12	0	6	1	19	30
59	F	3	1792	67	59	64	60	69	51	47	54	10	3	0	37	32	3	0	14	61	25
60	F	3	1799	66	87	63	55	54	69	52	68	37	2	0	2	1	1	1	0	5	2
61	F	4	1701	69	75	83	69	74	71	72	75	45	0	0	0	0	0	3	39	69	62

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
62	F	4	1707	66	73	79	67	34	0	0	1	21	75	53	56	0	1	0	2	2	7
63	F	4	1714	73	78	74	66	75	63	2	3	0	0	8	0	22	73	80	71	71	75
64	F	4	1719	64	81	71	60	88	64	81	60	52	47	67	93	64	73	30	17	77	40
65	F	4	1726	56	70	66	58	69	72	58	60	71	57	68	54	67	69	56	33	22	0
66	F	4	1729	59	68	73	60	83	76	63	72	58	68	1	5	2	0	1	35	32	1
67	F	4	1732	58	46	72	66	61	53	60	71	20	4	0	3	4	1	2	5	65	49
68	F	4	1733	49	54	61	56	68	73	35	66	56	5	0	1	0	32	49	67	61	36
69	F	4	1738	56	60	69	74	81	68	56	76	62	2	1	1	3	1	9	7	3	1
70	F	4	1739	61	68	65	72	54	78	63	46	54	15	0	0	23	63	65	79	93	65
71	F	4	1745	78	86	80	76	81	57	68	69	74	63	9	3	2	0	5	0	45	75
72	F	4	1751	48	61	57	52	46	46	43	49	31	31	47	38	20	39	48	40	20	3
73	F	4	1759	66	75	67	56	66	46	43	68	48	36	39	53	52	11	0	3	1	0
74	F	4	1764	70	69	72	57	48	67	56	25	11	0	1	1	39	71	47	73	40	0
75	F	4	1765	65	65	69	55	65	73	52	39	48	59	49	14	0	44	27	0	1	2
76	F	4	1774	54	64	69	64	74	68	64	66	96	76	73	57	74	85	56	50	6	3
77	F	4	1776	44	47	47	49	64	49	55	55	51	54	52	69	26	64	59	42	58	12
78	F	4	1783	72	69	81	63	73	55	36	2	34	90	77	79	38	16	12	10	3	2
79	F	4	1787	62	63	69	62	52	42	33	27	0	0	0	39	71	55	54	2	0	0
80	F	4	1797	56	80	64	70	65	62	58	68	42	45	39	45	46	5	1	0	0	1
81	F	5	1710	70	71	65	72	66	46	28	2	12	71	74	56	74	22	2	0	1	1
82	F	5	1720	80	73	63	64	66	16	3	0	28	90	67	71	42	1	1	3	7	1
83	F	5	1723	61	76	61	58	65	51	70	59	71	57	39	66	60	89	60	66	28	49
84	F	5	1724	71	74	76	78	80	76	38	12	0	0	31	58	87	76	34	23	6	0
85	F	5	1727	60	74	62	63	70	61	61	61	55	62	63	60	28	8	0	0	0	2
86	F	5	1728	53	64	50	43	73	60	61	10	1	62	53	62	47	53	67	74	68	44
87	F	5	1737	66	80	74	67	82	70	82	76	58	69	53	11	0	7	3	0	1	0
88	F	5	1740	57	69	71	74	84	71	65	65	69	72	74	68	63	78	44	62	52	59
89	F	5	1741	60	42	47	47	55	55	42	53	64	42	3	1	10	2	43	52	61	32
90	F	5	1743	61	54	71	64	64	66	49	64	71	48	67	63	67	61	51	14	0	0
91	F	5	1748	69	71	91	64	87	66	68	52	17	0	4	1	25	83	71	82	59	23
92	F	5	1752	52	63	55	52	63	43	3	2	5	0	4	0	6	75	67	55	4	2
93	F	5	1766	70	71	70	69	70	83	79	57	54	68	65	61	19	3	1	24	73	78
94	F	5	1773	56	69	77	68	60	40	52	0	0	1	0	28	34	77	33	4	1	1
95	F	5	1778	55	48	53	51	52	20	58	48	52	35	2	0	0	1	0	0	13	42
96	F	5	1784	65	55	70	60	63	57	56	59	47	9	5	9	44	60	49	10	2	2
97	F	5	1788	54	63	62	73	69	65	70	59	52	57	33	0	7	0	14	56	71	65
98	F	5	1789	66	65	64	74	59	82	66	89	72	70	47	68	64	81	76	58	2	0
99	F	5	1793	72	63	54	61	50	66	72	68	67	51	66	63	56	52	55	53	65	61
100	F	5	1798	60	59	69	69	62	55	73	45	26	1	5	4	9	74	61	58	54	21
101	M	1	1402	57	77	71	67	76	41	40	56	81	56	63	83	66	58	55	61	66	26
102	M	1	1408	60	77	56	52	54	6	1	0	0	18	70	68	58	61	71	34	47	26
103	M	1	1422	73	73	59	53	64	68	75	61	59	68	58	63	55	77	61	50	63	84
104	M	1	1431	66	61	78	71	65	62	76	60	66	66	61	58	78	67	64	82	69	79
105	M	1	1436	73	73	75	56	62	64	63	36	58	31	38	64	69	11	2	2	5	4
106	M	1	1447	68	68	77	67	78	78	80	71	55	76	82	68	63	61	51	6	2	4
107	M	1	1450	35	64	36	31	7	2	1	0	4	1	5	8	6	6	22	2	5	0
108	M	1	1457	66	91	71	63	68	59	83	68	48	65	62	14	30	66	31	7	1	1
109	M	1	1462	43	65	56	59	58	65	37	80	51	26	22	5	35	0	4	6	0	3
110	M	1	1467	70	66	72	80	68	72	69	72	76	73	56	73	58	3	29	26	1	1
111	M	1	1468	66	73	76	90	73	77	76	73	78	71	62	73	65	71	63	51	8	29
112	M	1	1470	65	86	86	69	92	86	74	80	71	65	46	60	73	73	78	75	54	15
113	M	1	1472	80	88	66	78	73	70	70	87	69	47	55	20	6	9	0	0	1	0
114	M	1	1477	65	77	82	77	77	54	71	82	67	76	64	60	54	35	13	1	0	4
115	M	1	1481	47	63	59	60	57	68	70	67	76	79	73	61	74	66	30	19	0	6
116	M	1	1485	65	64	74	70	64	53	68	57	72	20	14	5	2	0	2	0	18	1
117	M	1	1486	61	67	63	75	50	69	66	64	71	83	72	68	84	68	53	23	70	50
118	M	1	1490	52	74	71	46	57	64	71	18	33	27	8	1	2	0	2	2	7	2
119	M	1	1494	83	73	64	74	61	59	69	62	69	61	55	60	55	37	58	69	52	23
120	M	1	1496	59	66	70	67	63	64	66	32	25	10	1	1	14	61	68	71	79	33
121	M	2	1405	66	57	57	62	51	54	74	54	53	44	69	57	64	36	8	1	14	1
122	M	2	1406	68	73	79	74	70	72	74	62	60	39	3	48	94	62	65	77	78	46

OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
123	M	2	1411	67	73	76	70	63	77	85	77	75	60	61	27	17	1	2	47	81	66
124	M	2	1412	59	88	75	79	73	66	60	39	34	54	70	60	30	12	1	0	0	1
125	M	2	1413	60	60	57	62	70	71	69	60	65	64	77	63	89	71	68	66	76	58
126	M	2	1418	86	67	69	76	65	61	87	72	75	81	74	68	62	60	72	31	12	4
127	M	2	1434	61	62	75	68	80	59	66	69	41	55	71	67	81	41	3	39	67	74
128	M	2	1446	65	50	62	69	50	74	47	38	15	5	1	4	1	1	5	1	0	3
129	M	2	1453	45	70	61	67	58	64	67	70	76	69	70	63	62	25	1	0	2	0
130	M	2	1455	67	77	70	83	59	57	62	78	85	84	98	42	69	71	92	77	48	5
131	M	2	1456	54	77	59	73	52	72	62	65	23	19	4	9	4	0	2	1	0	0
132	M	2	1460	58	87	72	74	68	78	61	68	76	78	33	45	71	39	27	0	0	0
133	M	2	1463	72	66	78	61	58	60	54	63	84	61	57	45	25	1	0	0	0	0
134	M	2	1469	61	70	76	65	71	90	74	77	63	67	84	55	56	58	68	49	1	2
135	M	2	1471	59	70	62	52	73	61	42	47	44	63	61	50	59	67	57	49	42	64
136	M	2	1475	61	68	69	53	71	69	70	59	73	63	65	68	23	0	27	6	3	1
137	M	2	1479	64	59	62	74	74	74	63	76	88	76	48	72	57	56	32	1	18	69
138	M	2	1482	55	65	64	51	59	70	70	68	66	79	55	67	79	60	66	26	2	21
139	M	2	1495	69	77	78	73	79	82	18	64	79	66	8	27	11	10	77	52	63	61
140	M	2	1500	56	63	62	61	35	4	18	9	2	6	0	1	4	76	51	22	0	1
141	M	3	1403	71	71	67	61	50	44	49	60	46	10	4	1	2	1	6	0	0	0
142	M	3	1404	68	67	65	72	70	79	59	57	42	66	67	77	59	78	70	69	62	77
143	M	3	1409	59	60	58	65	88	58	74	52	27	44	34	38	11	16	30	4	16	56
144	M	3	1415	62	73	57	58	77	73	65	40	1	43	63	54	43	47	74	58	69	77
145	M	3	1416	69	67	83	67	73	51	22	73	63	74	34	14	32	2	1	1	9	0
146	M	3	1417	65	73	69	78	61	68	47	50	74	53	40	66	42	14	36	29	5	8
147	M	3	1421	46	55	58	56	70	61	52	64	68	77	50	40	17	2	1	4	15	32
148	M	3	1425	58	65	66	65	58	57	60	52	56	52	44	66	62	46	45	47	33	65
149	M	3	1430	57	67	72	76	71	70	61	69	73	4	0	10	0	25	53	79	37	0
150	M	3	1435	52	56	61	56	48	75	59	61	25	2	21	0	0	0	4	0	6	6
151	M	3	1442	64	60	72	48	52	21	49	50	32	6	0	1	1	15	1	1	1	0
152	M	3	1444	52	67	64	58	58	65	81	63	56	57	62	69	66	41	47	53	10	1
153	M	3	1449	87	66	44	29	2	31	0	0	0	0	1	4	0	0	5	10	57	45
154	M	3	1454	52	58	67	59	66	69	75	52	71	57	64	62	58	48	27	0	0	0
155	M	3	1458	56	75	71	70	69	68	27	19	1	0	0	0	1	11	1	3	7	8
156	M	3	1461	71	63	79	66	70	63	75	69	78	88	18	3	76	70	75	48	7	7
157	M	3	1480	64	54	72	60	86	76	74	76	59	51	69	80	62	60	51	63	67	56
158	M	3	1491	74	69	61	74	83	77	79	68	69	65	65	74	65	57	81	73	37	42
159	M	3	1492	62	66	58	63	69	63	41	26	61	29	17	1	6	0	1	0	8	0
160	M	3	1499	56	55	69	72	76	62	57	55	72	1	7	11	1	5	6	6	1	6
161	M	4	1401	68	71	72	61	61	67	50	68	78	64	80	66	59	67	80	73	86	60
162	M	4	1407	62	67	65	79	74	77	70	66	83	90	84	43	42	11	0	8	14	9
163	M	4	1414	77	63	63	67	83	61	75	74	60	74	62	81	29	9	0	3	1	1
164	M	4	1419	58	48	42	47	58	64	59	50	54	74	73	69	72	61	57	32	79	67
165	M	4	1426	70	63	66	54	61	62	50	49	46	48	51	51	35	0	1	0	3	2
166	M	4	1429	58	60	70	71	57	66	69	56	73	72	53	53	28	4	9	0	0	3
167	M	4	1432	59	77	80	75	77	70	86	57	14	3	0	5	1	8	0	1	43	1
168	M	4	1433	52	51	65	53	68	78	65	57	73	69	64	69	77	77	53	51	45	36
169	M	4	1438	60	61	63	61	92	87	84	55	73	65	57	58	24	11	1	5	1	0
170	M	4	1439	67	84	60	66	68	74	49	56	76	71	31	1	0	32	65	65	68	85
171	M	4	1445	72	60	68	84	59	57	62	44	53	24	10	4	23	0	1	0	1	2
172	M	4	1451	75	71	65	78	79	71	47	64	8	30	0	5	10	0	0	0	0	1
173	M	4	1459	58	65	60	73	80	65	71	65	54	65	72	66	34	4	0	2	0	0
174	M	4	1464	59	68	69	75	66	72	83	56	6	36	9	2	1	0	0	0	0	1
175	M	4	1465	60	63	64	72	76	54	50	56	56	31	40	20	35	59	50	4	6	1
176	M	4	1474	55	69	76	70	69	52	62	64	63	64	66	66	62	61	90	72	72	66
177	M	4	1476	63	58	69	74	59	68	54	64	77	36	26	1	0	1	19	66	47	13
178	M	4	1483	72	68	73	54	43	27	30	11	12	77	76	43	12	61	45	35	8	52
179	M	4	1487	72	81	67	69	67	68	78	75	26	4	8	3	0	6	0	0	1	0
180	M	4	1497	71	64	60	66	44	66	24	33	70	85	49	61	22	4	5	0	0	0
181	M	5	1410	60	70	62	64	76	47	64	49	66	69	59	55	66	51	53	50	29	58
182	M	5	1420	53	69	70	75	61	72	53	69	75	76	75	87	72	88	77	64	78	69
183	M	5	1423	61	62	72	72	78	83	58	52	60	61	70	59	57	66	76	59	74	38

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OBS	SEX	GROUP	ANIM	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18
184	M	5	1424	73	63	65	73	76	64	68	69	73	51	70	67	72	77	40	22	5	0
185	M	5	1427	70	68	69	59	57	61	69	49	32	64	56	59	22	69	25	12	32	0
186	M	5	1428	51	62	57	65	60	78	74	61	37	30	2	2	1	42	51	27	0	0
187	M	5	1437	49	67	55	64	58	43	81	67	47	57	65	78	53	52	50	12	15	30
188	M	5	1440	73	74	66	72	90	65	79	69	56	63	66	53	50	64	92	59	4	3
189	M	5	1441	65	63	65	74	74	80	75	74	72	58	81	73	75	70	69	76	68	43
190	M	5	1443	68	73	65	79	85	76	73	86	72	58	97	61	84	61	3	69	63	73
191	M	5	1448	63	80	73	57	82	78	72	71	73	66	70	77	74	79	18	3	51	73
192	M	5	1452	66	66	73	72	74	81	69	60	58	53	85	61	21	2	0	1	1	1
193	M	5	1466	58	68	63	68	59	63	61	68	65	67	64	1	0	4	0	8	1	59
194	M	5	1473	61	67	64	54	59	62	68	65	66	57	45	64	55	40	46	81	32	29
195	M	5	1478	65	66	67	70	61	68	43	14	3	6	1	0	2	0	0	0	0	0
196	M	5	1484	67	70	72	71	55	68	42	26	4	6	1	1	8	0	0	2	3	2
197	M	5	1488	73	57	61	65	63	57	56	56	44	30	60	59	10	45	49	73	67	30
198	M	5	1489	45	63	53	71	61	61	79	76	76	72	69	58	59	65	71	54	73	87
199	M	5	1493	65	62	71	51	64	58	64	53	71	45	4	6	0	0	1	12	59	76
200	M	5	1498	68	70	66	61	64	69	57	77	56	70	69	62	19	2	27	53	60	62

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General Linear Models Procedure
Class Level Information

Class	Levels	Values
GROUP	5	1 2 3 4 5
SEX	2	F M

Number of observations in data set = 200

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Repeated Measures Level Information

Dependent Variable	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12
Level of BLOCK	1	2	3	4	5	6	7	8	9	10	11	12
Dependent Variable	N13	N14	N15	N16	N17	N18						
Level of BLOCK	13	14	15	16	17	18						

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK Effect
H = Type III SS&CP Matrix for BLOCK E = Error SS&CP Matrix

S=1 M=7.5 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.20213529	40.4006	17	174	0.0001
Pillai's Trace	0.79786471	40.4006	17	174	0.0001
Hotelling-Lawley Trace	3.94718175	40.4006	17	174	0.0001
Roy's Greatest Root	3.94718175	40.4006	17	174	0.0001

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP Effect
H = Type III SS&CP Matrix for BLOCK*GROUP E = Error SS&CP Matrix

S=4 M=6 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.66086995	1.1216	68	685.1439	0.2430
Pillai's Trace	0.38808949	1.1187	68	708	0.2473
Hotelling-Lawley Trace	0.44308211	1.1240	68	690	0.2391
Roy's Greatest Root	0.20230424	2.1063	17	177	0.0085

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

Manova Test Criteria and Exact F Statistics for the Hypothesis of no BLOCK*SEX Effect
H = Type III SS&CP Matrix for BLOCK*SEX E = Error SS&CP Matrix

S=1 M=7.5 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.90635076	1.0576	17	174	0.3994
Pillai's Trace	0.09364924	1.0576	17	174	0.3994
Hotelling-Lawley Trace	0.10332561	1.0576	17	174	0.3994
Roy's Greatest Root	0.10332561	1.0576	17	174	0.3994

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General Linear Models Procedure
Repeated Measures Analysis of Variance

Manova Test Criteria and F Approximations for the Hypothesis of no BLOCK*GROUP*SEX Effect
H = Type III SS&CP Matrix for BLOCK*GROUP*SEX E = Error SS&CP Matrix

S=4 M=6 N=86

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.71335077	0.9057	68	685.1439	0.6893
Pillai's Trace	0.32081484	0.9079	68	708	0.6848
Hotelling-Lawley Trace	0.35619061	0.9036	68	690	0.6937
Roy's Greatest Root	0.16244908	1.6914	17	177	0.0480

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Tests of Hypotheses for Between Subjects Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F
GROUP	4	21488.94277778	5372.23569444	2.20	0.0710
SEX	1	16167.12250000	16167.12250000	6.61	0.0105
GROUP*SEX	4	2736.44277778	684.11069444	0.28	0.8909
Error	190	464854.64722222	2446.60340643		

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General Linear Models Procedure
Repeated Measures Analysis of Variance
Univariate Tests of Hypotheses for Within Subject Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted G - G	Pr > F H - F
BLOCK	17	813464.101389	47850.829493	114.93	0.0001	0.0001	0.0001
BLOCK*GROUP	68	26845.897222	394.792606	0.95	0.5982	0.5352	0.5398
BLOCK*SEX	17	11456.012500	673.883088	1.62	0.0516	0.1376	0.1310
BLOCK*GROUP*SEX	68	28504.497222	419.183783	1.01	0.4624	0.4518	0.4549
Error(BLOCK)	3230	1344858.102778	416.364738				

Greenhouse-Geisser Epsilon = 0.3567
Huynh-Feldt Epsilon = 0.3872

APPENDIX 3
ADDITIONAL MOTOR ACTIVITY HISTORICAL CONTROL

MOTOR ACTIVITY
DAY 14 POSTPARTUM
HISTORICAL CONTROL DATA
F1 GENERATION Crl:CD®BR VAF/Plus® FEMALE RATS

CODE:		134	290	2-004	2-005
TYPE OF STUDY:		Dev. Neurotox.	Dev. Neurotox.	Dev. Neurotox.	Dev. Neurotox.
FINAL DRAFT REPORT MAIL DATE:		11/18/94	03/10/98		
TESTING DATES:		02/21/94 - 02/24/94	10/14/97 - 10/27/97	1998	1998
ROUTE:		Subcutaneous	Oral (Gavage)	Diet	Diet
NUMBER OF RATS		19	20	20	20
FEMALE RATS - DAY 14 POSTPARTUM					
NUMBER OF MOVEMENTS					
BLOCK 1	MEAN	47.7	22.5	39.7	33.6
	S.D.	21.4	23.2	23.6	29.0
BLOCK 2	MEAN	54.3	20.8	36.9	25.6
	S.D.	16.9	19.2	21.9	18.4
BLOCK 3	MEAN	60.9	23.4	44.5	37.2
	S.D.	21.4	27.2	25.3	23.9
BLOCK 4	MEAN	59.0	24.2	41.1	40.0
	S.D.	15.7	26.3	22.8	27.8
BLOCK 5	MEAN	41.6	25.6	30.8	37.0
	S.D.	23.6	24.7	26.7	24.6
BLOCK 6	MEAN	42.5	24.3	35.8	28.8
	S.D.	24.8	23.1	29.0	23.4
BLOCK 7	MEAN	43.4	20.7	40.0	32.0
	S.D.	29.9	25.1	31.8	27.6
BLOCK 8	MEAN	46.2	10.4	28.4	30.8
	S.D.	24.0	19.1	27.4	28.7
BLOCK 9	MEAN	36.9	13.1	26.6	35.7
	S.D.	29.4	19.7	29.5	30.0
BLOCK 10	MEAN	39.7	19.6	29.0	34.5
	S.D.	26.4	26.6	28.7	21.2
BLOCK 11	MEAN	37.0	9.6	25.5	36.8
	S.D.	25.6	21.4	25.6	27.0
BLOCK 12	MEAN	41.5	14.2	28.4	32.6
	S.D.	26.9	26.6	27.1	23.3
BLOCK 13	MEAN	40.0		24.2	17.6
	S.D.	27.7		26.2	18.9
BLOCK 14	MEAN	41.4		21.8	18.6
	S.D.	24.6		25.3	19.5
BLOCK 15	MEAN	35.9		30.5	29.3
	S.D.	27.8		28.7	27.1
BLOCK 16	MEAN	26.6		29.8	33.8
	S.D.	25.4		30.6	28.5
BLOCK 17	MEAN	22.0		22.4	35.7
	S.D.	27.5		24.6	24.8
BLOCK 18	MEAN	21.2		23.8	40.7
	S.D.	20.2		25.1	27.6
TOTAL	MEAN	737.9	228.4	559.2	580.6
	S.D.	215.0	196.5	337.0	294.3

MOTOR ACTIVITY
DAY 14 POSTPARTUM
HISTORICAL CONTROL DATA
F1 GENERATION Crl:CD®BR VAF/Plus® FEMALE RATS

CODE:		134	290	2-004	2-005
TYPE OF STUDY:		Dev. Neurotox.	Dev. Neurotox.	Dev. Neurotox.	Dev. Neurotox.
FINAL DRAFT REPORT MAIL DATE:		11/18/94	03/10/98		
TESTING DATES:		02/21/94 - 02/24/94	10/14/97 - 10/27/97	1998	1998
ROUTE:		Subcutaneous	Oral (Gavage)	Diet	Diet
NUMBER OF RATS		19	20	20	20
FEMALE RATS - DAY 14 POSTPARTUM					
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	MEAN	47.7		40.0	30.8
	S.D.	27.1		33.0	34.0
BLOCK 2	MEAN	61.8		37.2	21.5
	S.D.	28.4		35.3	29.2
BLOCK 3	MEAN	74.4		50.6	35.7
	S.D.	36.6		39.2	27.0
BLOCK 4	MEAN	68.7		49.4	41.2
	S.D.	28.3		37.3	34.4
BLOCK 5	MEAN	54.0		36.0	43.0
	S.D.	40.3		36.2	39.0
BLOCK 6	MEAN	50.2		45.5	35.4
	S.D.	32.9		47.7	37.2
BLOCK 7	MEAN	55.2		57.6	40.0
	S.D.	49.6		58.0	39.0
BLOCK 8	MEAN	56.0		41.9	42.1
	S.D.	41.3		50.8	50.3
BLOCK 9	MEAN	47.2		36.4	46.4
	S.D.	44.3		51.8	48.9
BLOCK 10	MEAN	49.3		39.4	41.0
	S.D.	41.3		51.0	34.8
BLOCK 11	MEAN	49.0		37.4	46.4
	S.D.	45.3		49.1	39.9
BLOCK 12	MEAN	49.9		44.9	43.5
	S.D.	36.0		53.9	40.2
BLOCK 13	MEAN	51.6		33.3	20.8
	S.D.	47.0		44.6	30.1
BLOCK 14	MEAN	52.7		33.6	22.2
	S.D.	36.7		56.6	28.9
BLOCK 15	MEAN	46.7		41.4	36.6
	S.D.	42.1		53.2	41.9
BLOCK 16	MEAN	33.3		42.7	45.0
	S.D.	35.9		53.5	46.5
BLOCK 17	MEAN	23.0		26.9	44.8
	S.D.	34.4		42.3	39.3
BLOCK 18	MEAN	22.0		35.3	55.4
	S.D.	30.1		52.4	51.7
TOTAL	MEAN	893.0		729.5	691.6
	S.D.	372.6		620.8	467.0

MOTOR ACTIVITY
DAY 14 POSTPARTUM
HISTORICAL CONTROL DATA
F1 GENERATION Crl:CD®BR VAF/Plus® FEMALE RATS

CODE:
TYPE OF STUDY:
FINAL DRAFT REPORT MAIL DATE:
TESTING DATES:
ROUTE:
NUMBER OF RATS

SUMMARY

		AVERAGE	MINIMUM	MAXIMUM	# STUDIES INCLUDED	# TOTAL RATS
						79
FEMALE RATS - DAY 14 POSTPARTUM						
NUMBER OF MOVEMENTS						
BLOCK 1	MEAN	35.9	22.5	47.7	4	
	S.D.					
BLOCK 2	MEAN	34.4	20.8	54.3	4	
	S.D.					
BLOCK 3	MEAN	41.5	23.4	60.9	4	
	S.D.					
BLOCK 4	MEAN	41.1	24.2	59.0	4	
	S.D.					
BLOCK 5	MEAN	33.8	25.6	41.6	4	
	S.D.					
BLOCK 6	MEAN	32.9	24.3	42.5	4	
	S.D.					
BLOCK 7	MEAN	34.0	20.7	43.4	4	
	S.D.					
BLOCK 8	MEAN	29.0	10.4	46.2	4	
	S.D.					
BLOCK 9	MEAN	28.1	13.1	36.9	4	
	S.D.					
BLOCK 10	MEAN	30.7	19.6	39.7	4	
	S.D.					
BLOCK 11	MEAN	27.2	9.6	37.0	4	
	S.D.					
BLOCK 12	MEAN	29.2	14.2	41.5	4	
	S.D.					
BLOCK 13	MEAN	27.3	17.6	40.0	3	
	S.D.					
BLOCK 14	MEAN	27.3	18.6	41.4	3	
	S.D.					
BLOCK 15	MEAN	31.9	29.3	35.9	3	
	S.D.					
BLOCK 16	MEAN	30.1	26.6	33.8	3	
	S.D.					
BLOCK 17	MEAN	26.7	22.0	35.7	3	
	S.D.					
BLOCK 18	MEAN	28.6	21.2	40.7	3	
	S.D.					
TOTAL	MEAN	526.5	228.4	737.9	4	
	S.D.					

MOTOR ACTIVITY
DAY 14 POSTPARTUM
HISTORICAL CONTROL DATA
F1 GENERATION Crl:CD®BR VAF/Plus® FEMALE RATS

CODE:
TYPE OF STUDY:
FINAL DRAFT REPORT MAIL DATE:
TESTING DATES:
ROUTE:
NUMBER OF RATS

SUMMARY

		AVERAGE	MINIMUM	MAXIMUM	# STUDIES INCLUDED	# TOTAL RATS
						79
FEMALE RATS - DAY 14 POSTPARTUM						
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1	MEAN	39.5	30.8	47.7	3	
	S.D.					
BLOCK 2	MEAN	40.2	21.5	61.8	3	
	S.D.					
BLOCK 3	MEAN	53.6	35.7	74.4	3	
	S.D.					
BLOCK 4	MEAN	53.1	41.2	68.7	3	
	S.D.					
BLOCK 5	MEAN	44.3	36.0	54.0	3	
	S.D.					
BLOCK 6	MEAN	43.7	35.4	50.2	3	
	S.D.					
BLOCK 7	MEAN	50.9	40.0	57.6	3	
	S.D.					
BLOCK 8	MEAN	46.7	41.9	56.0	3	
	S.D.					
BLOCK 9	MEAN	43.3	36.4	47.2	3	
	S.D.					
BLOCK 10	MEAN	43.2	39.4	49.3	3	
	S.D.					
BLOCK 11	MEAN	44.3	37.4	49.0	3	
	S.D.					
BLOCK 12	MEAN	46.1	43.5	49.9	3	
	S.D.					
BLOCK 13	MEAN	35.2	20.8	51.6	3	
	S.D.					
BLOCK 14	MEAN	36.2	22.2	52.7	3	
	S.D.					
BLOCK 15	MEAN	41.6	36.6	46.7	3	
	S.D.					
BLOCK 16	MEAN	40.3	33.3	45.0	3	
	S.D.					
BLOCK 17	MEAN	31.6	23.0	44.8	3	
	S.D.					
BLOCK 18	MEAN	37.6	22.0	55.4	3	
	S.D.					
TOTAL	MEAN	771.4	691.6	893.0	3	
	S.D.					

MOTOR ACTIVITY
DAY 14
POSTPARTUM
HISTORICAL CONTROL DATA
F1 GENERATION Crl:CD®BR VAF/Plus® MALE RATS

CODE:		134	290	2-004	2-005
TYPE OF STUDY:		Dev. Neurotox.	Dev. Neurotox.	Dev. Neurotox.	Dev. Neurotox.
FINAL DRAFT REPORT MAIL DATE:		11/18/94	03/10/98		
TESTING DATES:		02/21/94 - 02/24/94	10/14/97 - 10/27/97	1998	1998
ROUTE:		Subcutaneous	Oral (Gavage)	Diet	Diet
NUMBER OF RATS		20	20	20	20
MALE RATS - DAY 14 POSTPARTUM					
NUMBER OF MOVEMENTS					
BLOCK 1	MEAN	46.0	20.4	40.9	21.6
	S.D.	24.0	19.5	27.3	19.0
BLOCK 2	MEAN	55.2	24.0	45.4	23.4
	S.D.	18.1	24.1	28.9	20.4
BLOCK 3	MEAN	51.4	23.5	52.2	27.9
	S.D.	19.2	25.0	26.1	24.2
BLOCK 4	MEAN	51.2	25.8	51.6	31.3
	S.D.	27.2	23.8	22.7	26.3
BLOCK 5	MEAN	40.8	25.1	47.4	23.0
	S.D.	22.9	24.5	24.8	26.4
BLOCK 6	MEAN	46.8	21.8	39.2	27.9
	S.D.	25.2	25.1	31.6	29.0
BLOCK 7	MEAN	49.0	18.4	41.6	29.4
	S.D.	20.6	25.3	28.8	28.3
BLOCK 8	MEAN	44.0	19.6	54.8	29.4
	S.D.	26.7	24.3	28.9	33.3
BLOCK 9	MEAN	33.9	18.3	50.6	23.2
	S.D.	26.7	22.5	24.1	30.0
BLOCK 10	MEAN	33.5	23.8	39.6	17.9
	S.D.	27.2	26.5	32.3	22.8
BLOCK 11	MEAN	37.2	12.0	46.1	16.8
	S.D.	22.7	16.8	30.7	19.0
BLOCK 12	MEAN	29.2	13.8	36.8	17.0
	S.D.	21.9	23.4	26.9	18.5
BLOCK 13	MEAN	30.4		34.8	25.2
	S.D.	25.3		31.1	29.1
BLOCK 14	MEAN	39.6		45.6	24.8
	S.D.	21.6		36.6	26.2
BLOCK 15	MEAN	42.4		38.8	23.3
	S.D.	25.6		30.3	28.4
BLOCK 16	MEAN	38.4		33.6	22.0
	S.D.	26.8		31.8	25.6
BLOCK 17	MEAN	37.3		41.4	28.6
	S.D.	23.8		29.1	27.3
BLOCK 18	MEAN	34.4		43.6	29.6
	S.D.	26.3		32.2	31.6
TOTAL	MEAN	740.5	246.4	784.0	442.2
	S.D.	217.3	200.4	299.7	314.1

MOTOR ACTIVITY
DAY 14
POSTPARTUM
HISTORICAL CONTROL DATA
F1 GENERATION Crl:CD®BR VAF/Plus® MALE RATS

CODE:	134	290	2-004	2-005
TYPE OF STUDY:	Dev. Neurotox.	Dev. Neurotox.	Dev. Neurotox.	Dev. Neurotox.
FINAL DRAFT REPORT MAIL DATE:	11/18/94	03/10/98		
TESTING DATES:	02/21/94 - 02/24/94	10/14/97 - 10/27/97	1998	1998
ROUTE:	Subcutaneous	Oral (Gavage)	Diet	Diet
NUMBER OF RATS	20	20	20	20

MALE RATS - DAY 14 POSTPARTUM

TIME (SECONDS) SPENT IN MOVEMENT

BLOCK 1	MEAN	56.7	38.8	15.3
	S.D.	43.1	33.8	16.9
BLOCK 2	MEAN	72.0	45.0	18.0
	S.D.	42.0	35.2	20.3
BLOCK 3	MEAN	74.7	55.4	22.6
	S.D.	53.6	37.0	24.3
BLOCK 4	MEAN	74.2	57.0	27.8
	S.D.	55.6	37.4	27.5
BLOCK 5	MEAN	57.8	55.0	21.8
	S.D.	46.2	38.2	30.3
BLOCK 6	MEAN	64.2	45.3	32.2
	S.D.	42.5	46.9	37.6
BLOCK 7	MEAN	70.6	50.8	32.8
	S.D.	46.7	44.0	37.5
BLOCK 8	MEAN	65.0	71.4	34.6
	S.D.	50.7	49.9	46.8
BLOCK 9	MEAN	46.8	67.0	26.4
	S.D.	46.5	42.1	42.7
BLOCK 10	MEAN	43.1	51.5	20.4
	S.D.	41.0	52.5	35.4
BLOCK 11	MEAN	46.0	59.8	17.8
	S.D.	34.6	47.5	23.6
BLOCK 12	MEAN	36.6	50.8	16.0
	S.D.	35.0	53.6	23.3
BLOCK 13	MEAN	50.0	44.4	25.4
	S.D.	53.3	51.5	32.7
BLOCK 14	MEAN	62.6	60.8	26.9
	S.D.	52.3	57.4	32.1
BLOCK 15	MEAN	64.6	51.2	25.3
	S.D.	52.2	50.7	37.4
BLOCK 16	MEAN	48.6	43.8	25.3
	S.D.	43.1	57.4	33.5
BLOCK 17	MEAN	50.9	55.0	37.0
	S.D.	43.4	50.9	42.1
BLOCK 18	MEAN	41.8	62.2	33.0
	S.D.	36.1	58.9	42.5
TOTAL	MEAN	1026.1	965.2	458.8
	S.D.	529.3	510.9	400.6

MOTOR ACTIVITY
DAY 14
POSTPARTUM
HISTORICAL CONTROL DATA
F1 GENERATION Crl:CD®BR VAF/Plus® MALE RATS

CODE:
TYPE OF STUDY:
FINAL DRAFT REPORT MAIL DATE:
TESTING DATES:
ROUTE:
NUMBER OF RATS

SUMMARY

		AVERAGE	MINIMUM	MAXIMUM	# STUDIES INCLUDED	# TOTAL RATS
						80
MALE RATS - DAY 14 POSTPARTUM						
NUMBER OF MOVEMENTS						
BLOCK 1	MEAN	32.2	20.4	46.0	4	
	S.D.					
BLOCK 2	MEAN	37.0	23.4	55.2	4	
	S.D.					
BLOCK 3	MEAN	38.8	23.5	52.2	4	
	S.D.					
BLOCK 4	MEAN	40.0	25.8	51.6	4	
	S.D.					
BLOCK 5	MEAN	34.1	23.0	47.4	4	
	S.D.					
BLOCK 6	MEAN	33.9	21.8	46.8	4	
	S.D.					
BLOCK 7	MEAN	34.6	18.4	49.0	4	
	S.D.					
BLOCK 8	MEAN	37.0	19.6	54.8	4	
	S.D.					
BLOCK 9	MEAN	31.5	18.3	50.6	4	
	S.D.					
BLOCK 10	MEAN	28.7	17.9	39.6	4	
	S.D.					
BLOCK 11	MEAN	28.0	12.0	46.1	4	
	S.D.					
BLOCK 12	MEAN	24.2	13.8	36.8	4	
	S.D.					
BLOCK 13	MEAN	30.1	25.2	34.8	3	
	S.D.					
BLOCK 14	MEAN	36.7	24.8	45.6	3	
	S.D.					
BLOCK 15	MEAN	34.8	23.3	42.4	3	
	S.D.					
BLOCK 16	MEAN	31.3	22.0	38.4	3	
	S.D.					
BLOCK 17	MEAN	35.8	28.6	41.4	3	
	S.D.					
BLOCK 18	MEAN	35.9	29.6	43.6	3	
	S.D.					
TOTAL	MEAN	553.3	246.4	784.0	4	
	S.D.					

MOTOR ACTIVITY
DAY 14
POSTPARTUM
HISTORICAL CONTROL DATA
F1 GENERATION Crl:CD®BR VAF/Plus® MALE RATS

CODE:
TYPE OF STUDY:
FINAL DRAFT REPORT MAIL DATE:
TESTING DATES:
ROUTE:
NUMBER OF RATS

SUMMARY

		AVERAGE	MINIMUM	MAXIMUM	# STUDIES INCLUDED	# TOTAL RATS
						80

MALE RATS - DAY 14 POSTPARTUM

TIME (SECONDS) SPENT IN MOVEMENT

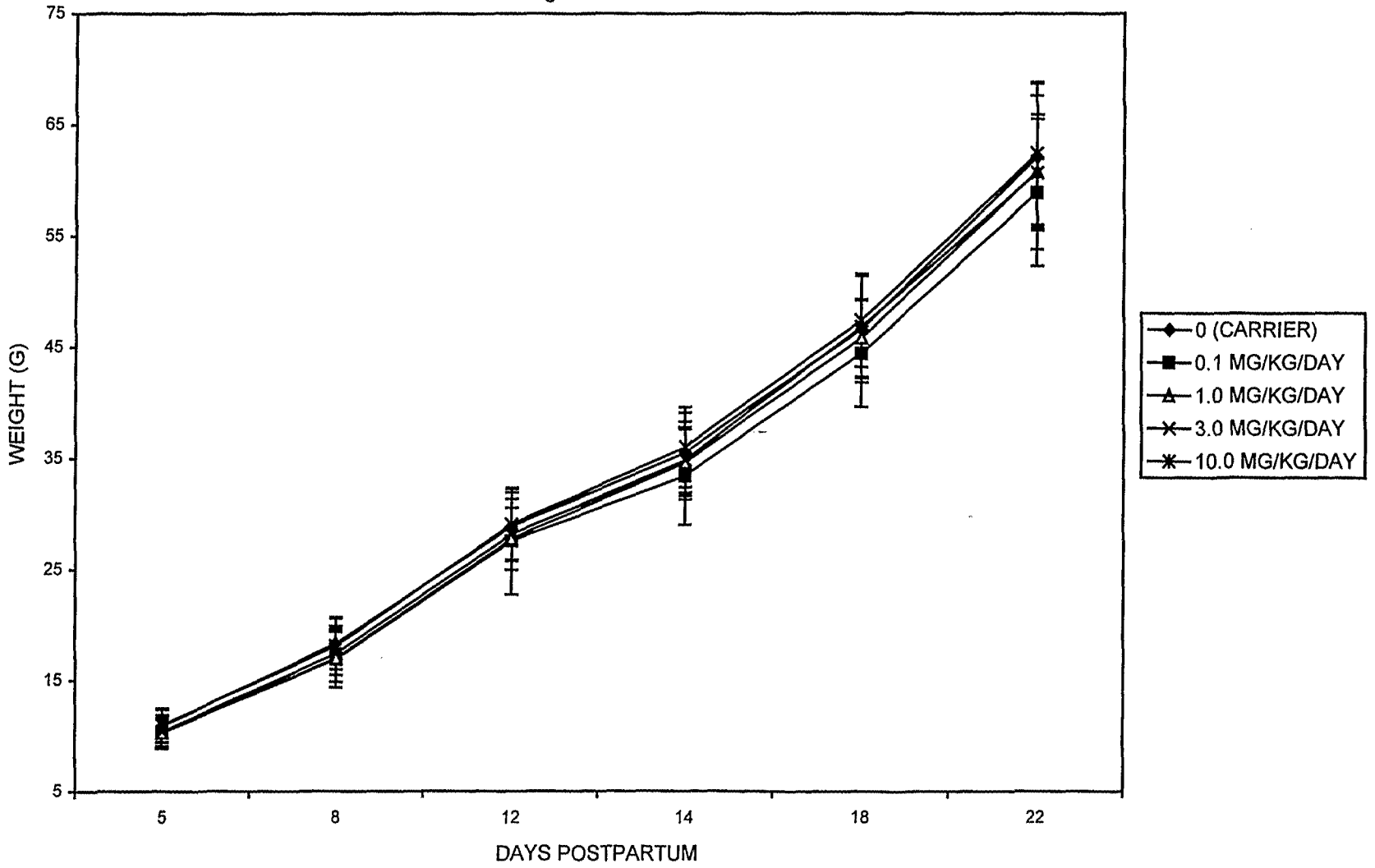
BLOCK 1	MEAN	36.9	15.3	56.7	3
	S.D.				
BLOCK 2	MEAN	45.0	18.0	72.0	3
	S.D.				
BLOCK 3	MEAN	50.9	22.6	74.7	3
	S.D.				
BLOCK 4	MEAN	53.0	27.8	74.2	3
	S.D.				
BLOCK 5	MEAN	44.9	21.8	57.8	3
	S.D.				
BLOCK 6	MEAN	47.2	32.2	64.2	3
	S.D.				
BLOCK 7	MEAN	51.4	32.8	70.6	3
	S.D.				
BLOCK 8	MEAN	57.0	34.6	71.4	3
	S.D.				
BLOCK 9	MEAN	46.7	26.4	67.0	3
	S.D.				
BLOCK 10	MEAN	38.3	20.4	51.5	3
	S.D.				
BLOCK 11	MEAN	41.2	17.8	59.8	3
	S.D.				
BLOCK 12	MEAN	34.5	16.0	50.8	3
	S.D.				
BLOCK 13	MEAN	39.9	25.4	50.0	3
	S.D.				
BLOCK 14	MEAN	50.1	26.9	62.6	3
	S.D.				
BLOCK 15	MEAN	47.0	25.3	64.6	3
	S.D.				
BLOCK 16	MEAN	39.2	25.3	48.6	3
	S.D.				
BLOCK 17	MEAN	47.6	37.0	55.0	3
	S.D.				
BLOCK 18	MEAN	45.7	33.0	62.2	3
	S.D.				
TOTAL	MEAN	816.7	458.8	1026.1	3
	S.D.				

APPENDIX 4
REGRAPHS OF F1 BODY WEIGHT DATA

BODY WEIGHTS - PREWEANING

F1 GENERATION MALE RATS

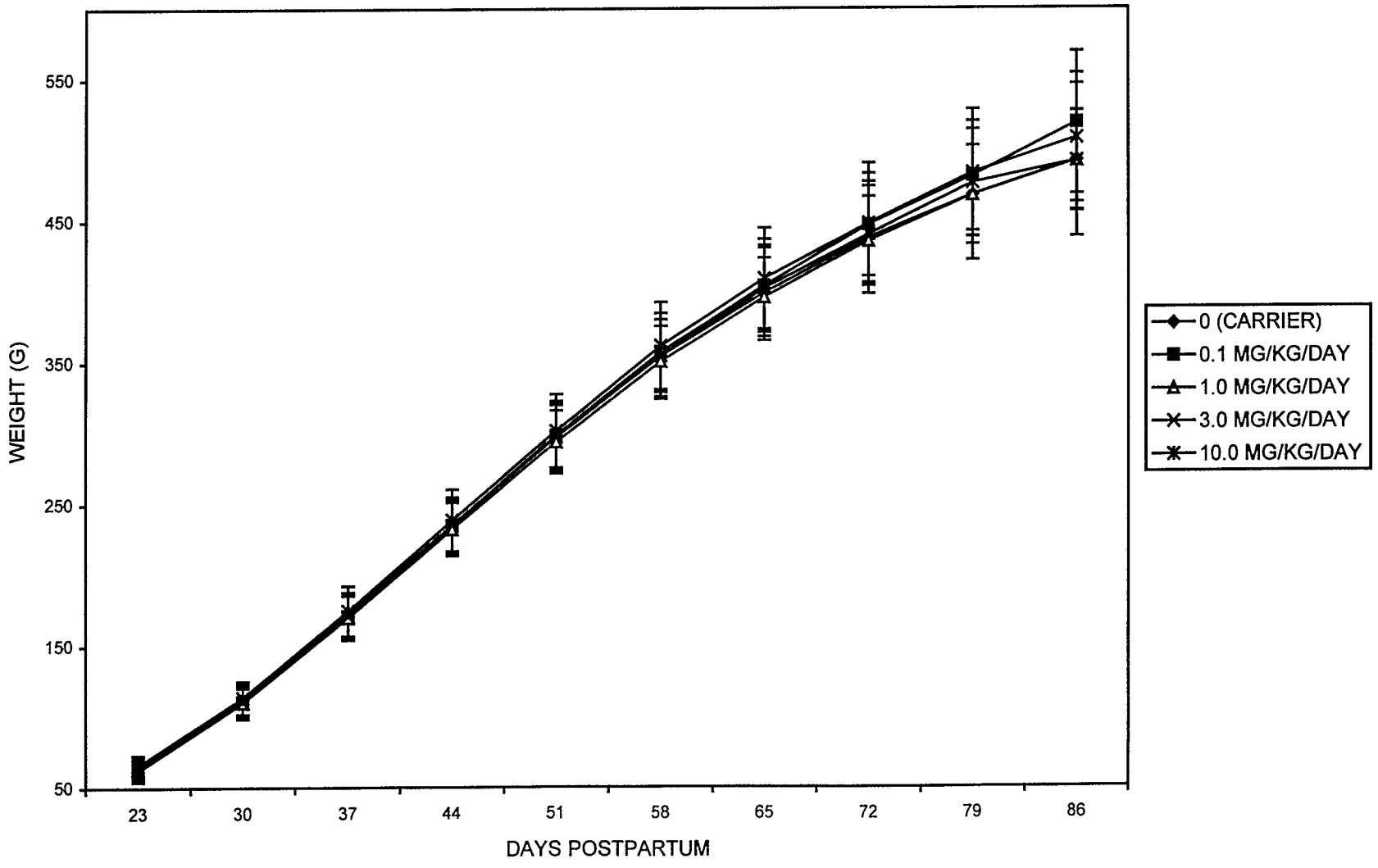
Figure 2A



BODY WEIGHTS - POSTWEANING

F1 GENERATION MALE RATS

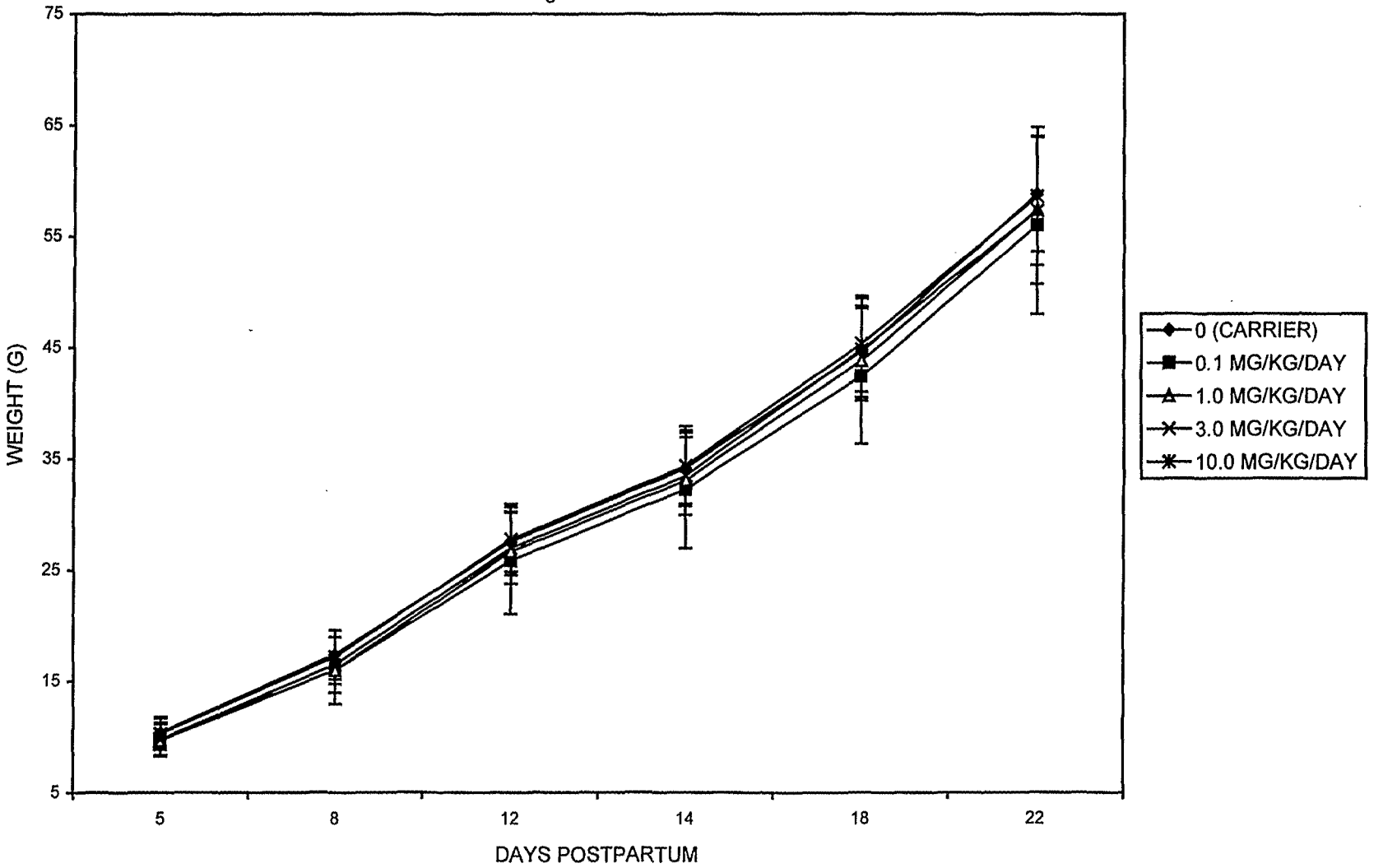
Figure 2B



BODY WEIGHTS - PREWEANING

F1 GENERATION FEMALE RATS

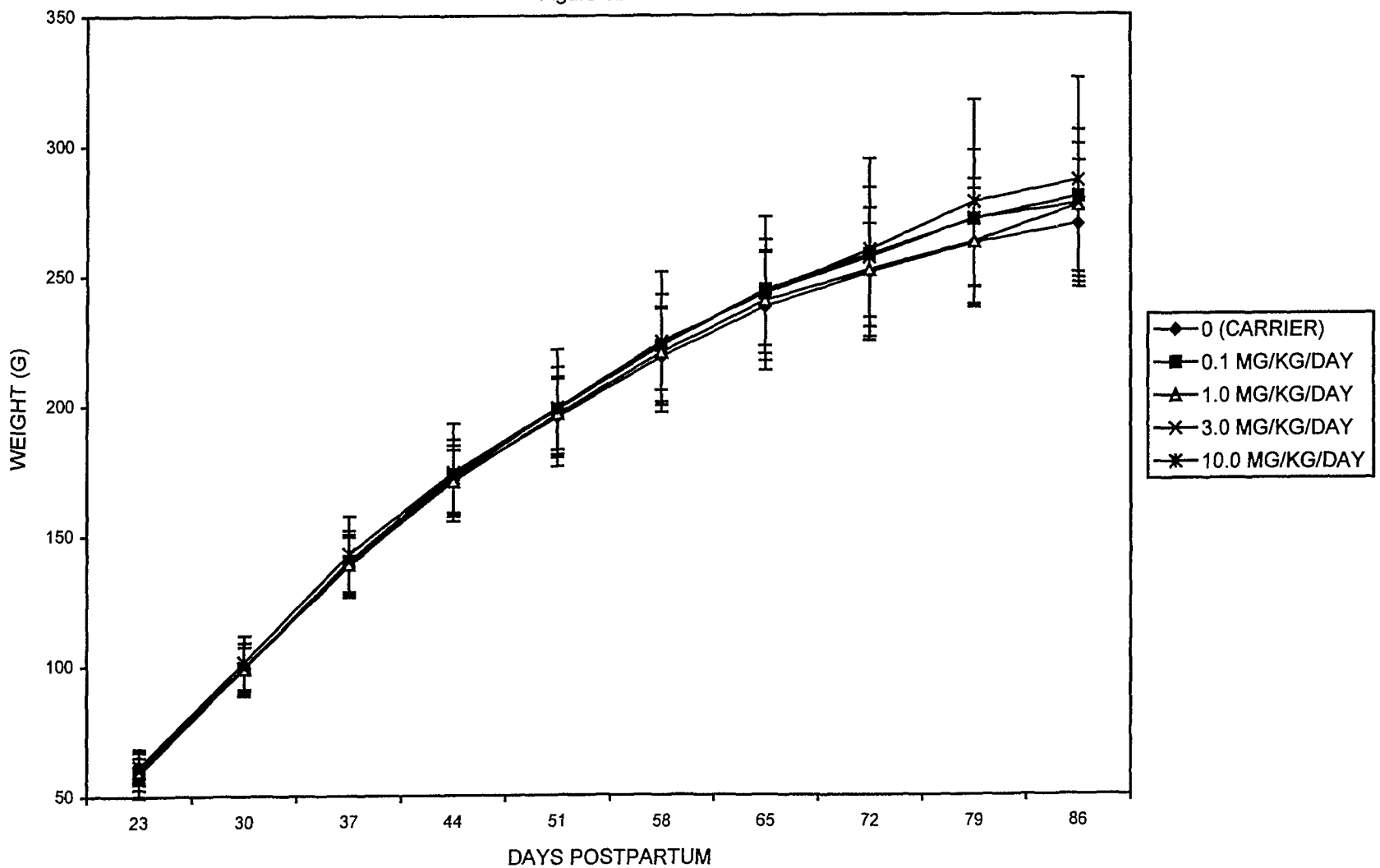
Figure 3A



BODY WEIGHTS - POSTWEANING

F1 GENERATION FEMALE RATS

Figure 3B



1613-002 (For EPA Informational Purposes Only)

F1 GENERATION MALE RATS

5	10.9	1.5	10.3	1.2	*	10.3	1.4	*	10.4	1.5		11	1.5
8	18.3	2.3	16.9	2.5	**	17	2.6	**	17.4	2.5	*	18.1	2.6
12	28.8	3.1	27.5	4.8	*	27.7	2.8	*	28.1	3.2		29	3.2
14	35.5	3.6	33.4	4.4	**	34.6	3		34.8	3.5		36	3.6
18	46.6	4.8	44.4	4.8	*	45.8	3.5		46.8	4.6		47.4	4.2
22	62.1	6.6	58.9	6.6	*	60.8	5.1		60.7	6.9		62.4	6.4
23	65.6	7.6	62.2	7.9	*	63.7	6		63.8	7.7		65.9	7.3
30	112.2	11.1	109.8	11.1		110.1	10.2		110.7	10.5		113.5	11.6
37	172.5	15.5	171.3	16		170.1	15.6		171.3	14.9		175	17.6
44	235.3	19.6	235	19.6		232.4	18.8		235	18		238.7	21.9
51	297.5	24.3	298.4	24.4		293.7	22.4		297	22.8		301.5	26.1
58	354.3	30.4	357.3	27.3		350.5	24.9		354.4	25.7		361.5	30.9
65	398.8	33.7	403.8	33		395.7	27.9		401.9	28.8		408.9	35.9
72	437.9	39.6	447	36.3		435.4	31.5		440.2	34.2		447.9	42.8
79	468.2	46.2	481.5	38.8		468.1	34.9		476.6	37.8		483.7	45
86	492.6	54	519.2	50.3		492.4	35.2		492.2	35.6		508.4	45.6

F1 GENERATION MALE RATS

5	10.4	1.4	9.8	1.5	*	9.7	1.4	*	9.8	1.4	*	10.3	1.4
8	17.4	2.2	16	3	*	16	2.4	**	16.5	2.5		17.2	2.4
12	27.5	2.7	25.8	4.8		26.6	2.7		26.9	3.2		27.7	3.2
14	34.1	3.2	32.2	5.3	*	33	2.9		33.4	3.5		34.3	3.6
18	44.6	4.1	42.4	6.1	*	43.8	3.3		44.8	4.6		45.3	4.3
22	58.8	5.2	56	8		57.4	4.6		57.3	6.6		58.6	6.2
23	61.6	5.8	58.6	9.2		59.7	5.3		59.8	7.3		61.5	6.8
30	99.4	9.5	99.2	10.6		99	8.3		99.3	9.5		101.4	10.3
37	138.5	12.1	140.3	13		139.1	10.5		140	12		143	14.5
44	171.8	13	173.5	15.3		170.9	12.1		172.2	14.8		174.4	18.8
51	195.4	15.5	198.4	17.4		196.6	13.5		198.7	15.9		198.9	22.5
58	218.5	18.6	222.8	21.6		220.2	17.5		224.2	18.4		224.3	27
65	237.7	20.8	244.2	24.6		240	19.2		243.1	20.4		242.8	29.6
72	250.8	24.8	257.7	24.2		251.8	17.8		256.7	26.8		259.6	35
79	262.1	24.7	271.2	25.8		262.6	20.4		271.5	26.4		277.9	39.3
86	269.4	24.4	280	29.2		276.6	23.6		277.2	28.4		286.2	39.4