

# SOMA Report



# SOMA Report Details

**Generated by:** Chad C. Williams

**Date:** 2025-04-14

## Inputted Parameters

**Help:** False

**Author:** Chad C. Williams

**Dataset:** Both pain datasets

**Rscripts Path:** C:/Program Files/R/R-4.4.1/bin/x64/Rscript

**File Path:** D:\BM\_Carney\_Petzschner\_Lab\SOMAStudyTracking\SOMAV1\database\_exports\avoid\_learn\_prolific

**File Name:** ['v1a\_avoid\_pain\v1a\_avoid\_pain.csv', 'v1b\_avoid\_paindepression\v1b\_avoid\_paindepression.csv']

**Split By Group:** pain

**Split By Group Id:** pain

**Covariate:** None

**Depression Cutoff:** 10

**Rolling Mean:** 5

**Accuracy Exclusion Threshold:** 55

**Rt Low Threshold:** 200

**Rt High Threshold:** 5000

**Tests:** basic

**Test Rolling Mean:** 5

**Test Context Type:** context

**Hide Stats:** False

**Hide Posthocs:** False

**Load Stats:** True

**Load Models:** False

**Verbose:** True

# Data Characteristics

**Files:** v1a\_avoid\_pain\v1a\_avoid\_pain.csv, v1b\_avoid\_paindepression\\v1b\_avoid\_paindepression.csv

## Grouping

**Split by Group:** Pain

## Column Names

participant\_id, trial\_type, trial\_index, rt, symbol\_L\_name, symbol\_R\_name, feedback\_L, feedback\_R, context\_val, choice\_made, context\_val\_name, duration, group\_code, intensity, unpleasant, interference, age, sex, symbol\_L\_value, symbol\_R\_value, neutral\_values, composite\_pain

## Data Dimensions

**Rows:** 98640

**Columns:** 22

**Number of Groups:** 3

**Number of Original Participants:** 360

**Number of Participants Excluded (Pain Threshold):** 74

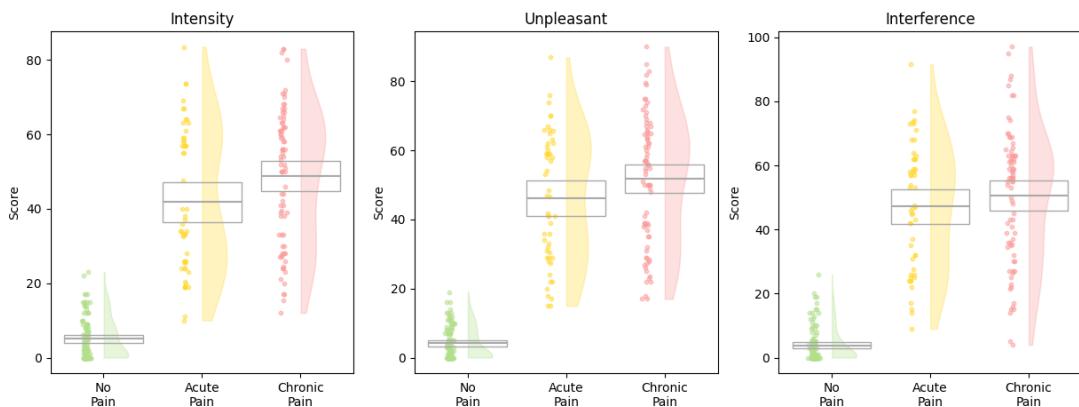
**Number of Participants Excluded (Accuracy Threshold: 55%):** 48

**Number of Participants Remaining:** 238

**Percentage of Trials Excluded (RT Threshold: < 200ms or > 5000ms):** 1.59%

**Table 1.** Demographic information for each group. Group differences reflect which groups are significantly different from the no pain group in planned follow-up tests.

	No Pain	Acute Pain	Chronic Pain	P-Value
<b>Demographics</b>				
<b>Sample Size</b>	107	52	79	
<b>Age</b>	34.14 (11.64)	36.67 (13.56)	40.86 (13.03)	0.0017
<b>Gender (F/M/N)</b>	56 / 51 / 0	29 / 22 / 1	54 / 24 / 1	
<b>Pain Scores</b>				
<b>Intensity</b>	5.1 (5.64)	41.82 (19.23)	48.84 (18.02)	<0.0001
<b>Unpleasant</b>	4.18 (4.75)	46.14 (18.53)	51.72 (18.55)	<0.0001
<b>Interference</b>	3.87 (5.52)	47.16 (19.34)	50.46 (21.09)	<0.0001



**Figure 1.** Pain metrics for each group. Boxplots show the mean and 95% confidence intervals of the corresponding metric for each group. Half-violin plots show the distribution of the scores of the corresponding metric for each group. Scatter points show the scores of the corresponding metric for each participant within each group.

### Demographics And Clinical Scores Statistics

Age, pain intensity, pain unpleasantness, pain interference were modelled using linear regression with the following formula:  $metric \sim group\_code$ .

**Age\***:  $F(2, 235) = 6.53, p = 0.002$

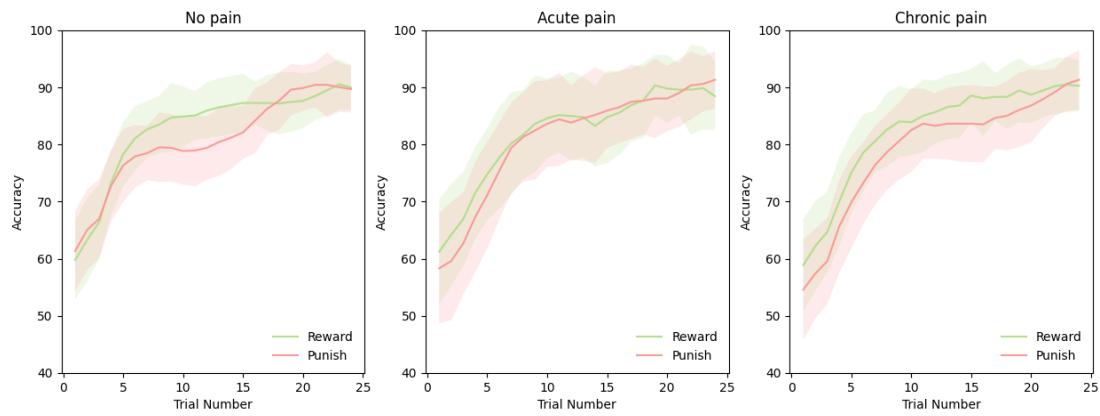
**Pain Intensity\***:  $F(2, 235) = 245.65, p < 0.001$

**Pain Unpleasantness\***:  $F(2, 235) = 305.84, p < 0.001$

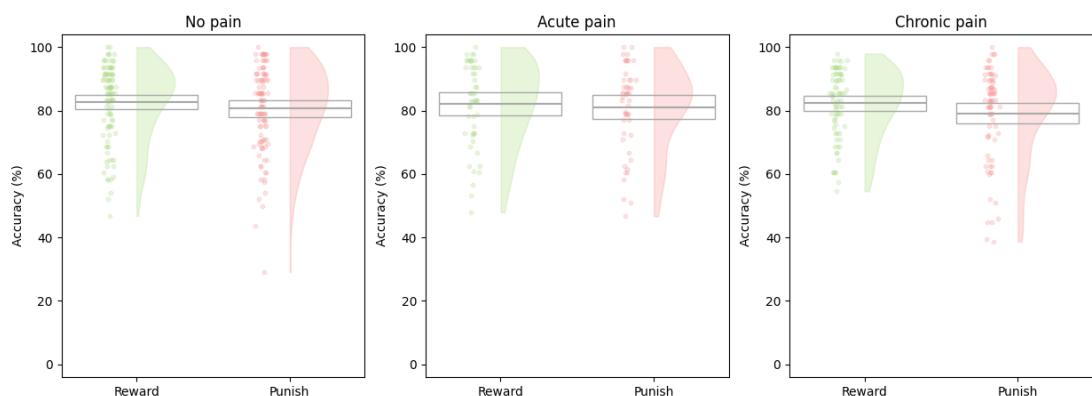
**Pain Interference\***:  $F(2, 235) = 248.9, p < 0.001$

# Results

## Learning Accuracy



**Figure 2.** Behavioral performance across learning trials for the reward and punishment contexts for each group. For visualization, the accuracy is smoothed using a rolling mean of 5 trials. Shaded regions represent 95% confidence intervals.



**Figure 3.** Averaged behavioral performance during learning for the reward and punishment contexts for each group. Boxplots show the mean and 95% confidence intervals of the accuracy for each context across participants within each group. Half-violin plots show the distribution of accuracy for each context across participants within each group. Scatter points show the averaged accuracy for each participant within each context.

## Learning Accuracy Statistics

Accuracy in the learning phase was modelled using a linear mixed effects model with the following formula:  $accuracy \sim 1 + group:context:binned\_trial + (1|participant\_id)$ , where *group*, *context*, *binned\_trial*, *group:context:binned\_trial* are the fixed effects and *participant\_id* is the random effect. Following each main and interaction finding from the linear model, we report planned comparison t-tests, corrected using a Welch's t-test when the assumption of homogeneity of variance was violated. Further, Tukey HSD post-hoc comparisons can be found in Appendix A.

**Group:**  $\chi^2(2, N=238) = 0.17, p = 0.918$

### Chronic Pain Vs No Pain

$t(184) = -0.6, p = 0.5463, d = -0.09.$

### Chronic Pain Vs Acute Pain

$t(129) = -0.5, p = 0.6152, d = -0.09.$

**Context:**  $\chi^2(1, N=238) = 1.56, p = 0.211$

**Binned\_Trial\*:**  $\chi^2(3, N=238) = 1001.12, p < 0.001$

**Group:Context\*:**  $\chi^2(2, N=238) = 6.56, p = 0.038$

### Chronic Pain Vs No Pain: Reward

$t(184) = -0.19, p = 0.8524, d = -0.03.$

### Chronic Pain Vs No Pain: Loss Avoid

$t(184) = -0.73, p = 0.4658, d = -0.11.$

### Chronic Pain Vs No Pain: Reward-Loss Avoid

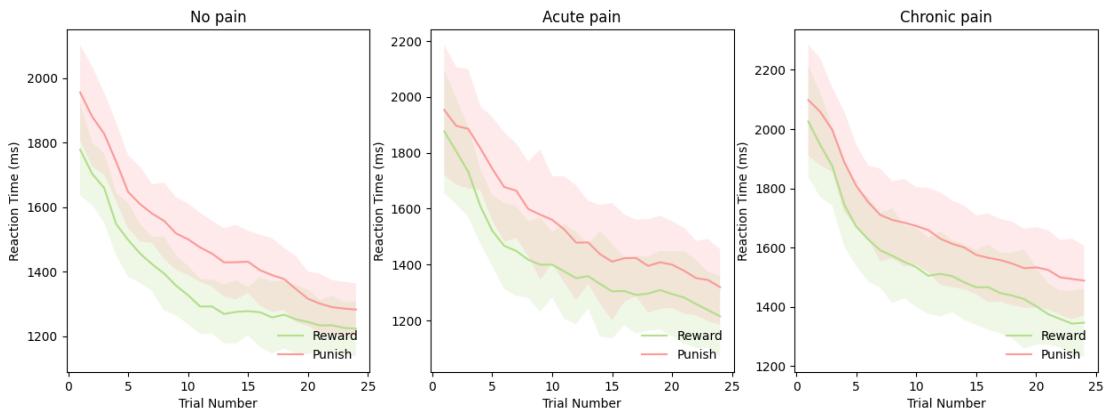
$t(184) = 0.51, p = 0.6126, d = 0.08.$

**Group:Binned\_Trial\*:**  $\chi^2(6, N=238) = 12.74, p = 0.047$

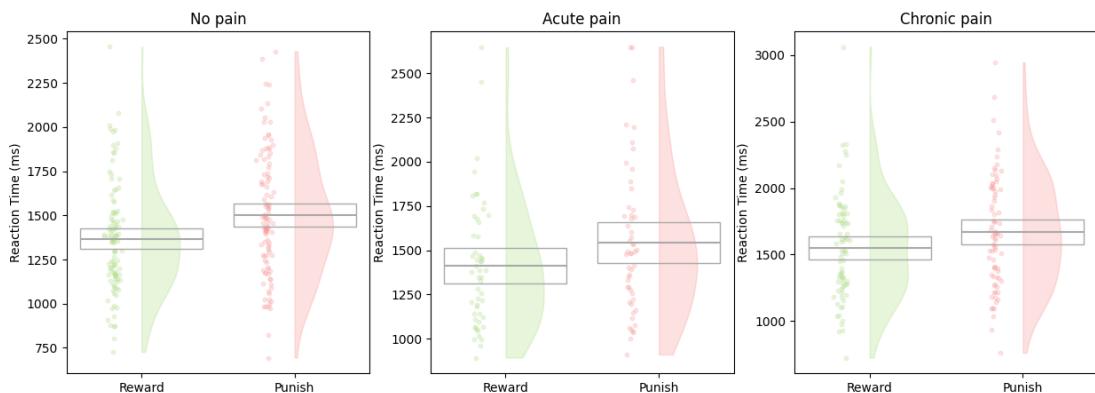
**Context:Binned\_Trial:**  $\chi^2(3, N=238) = 4.58, p = 0.205$

**Group:Context:Binned\_Trial\*:**  $\chi^2(6, N=238) = 13.19, p = 0.04$

## Learning Reaction Time



**Figure 4.** Reaction times across learning trials for the reward and punishment contexts for each group. For visualization, the reaction time is smoothed using a rolling mean of 5 trials. Shaded regions represent 95% confidence intervals.



**Figure 5.** Averaged behavioral performance during learning for the reward and punishment contexts for each group. Boxplots show the mean and 95% confidence intervals of the reaction times for each context across participants within each group. Half-violin plots show the distribution of reaction times for each context across participants within each group. Scatter points show the averaged reaction times for each participant within each context.

## Learning Rt Statistics

Rt in the learning phase was modelled using a linear mixed effects model with the following formula:  $rt \sim 1 + group:context:binned\_trial + (1|participant\_id)$ , where *group*, *context*, *binned\_trial*, *group:context:binned\_trial* are the fixed effects and *participant\_id* is the random effect. Following each main and interaction finding from the linear model, we report planned comparison t-tests, corrected using a Welch's t-test when the assumption of homogeneity of variance was violated. Further, Tukey HSD post-hoc comparisons can be found in Appendix A.

**Group\***:  $\chi^2(2, N=238) = 6.4, p = 0.041$

### Chronic Pain Vs No Pain

$t(184) = -3.18, p = 0.0017^*, d = -0.47$ .

### Chronic Pain Vs Acute Pain

$t(129) = -1.94, p = 0.0544, d = -0.35$ .

**Context\***:  $\chi^2(1, N=238) = 241.86, p < 0.001$

**Binned\_Trial\***:  $\chi^2(3, N=238) = 1763.24, p < 0.001$

**Group:Context**:  $\chi^2(2, N=238) = 5.97, p = 0.05$

### Chronic Pain Vs No Pain: Reward

$t_{Welch}(143) = 3.5, p = 0.0006^*, d = 0.54$ .

### Chronic Pain Vs No Pain: Loss Avoid

$t(184) = 3.01, p = 0.003^*, d = 0.45$ .

### Chronic Pain Vs No Pain: Reward-Loss Avoid

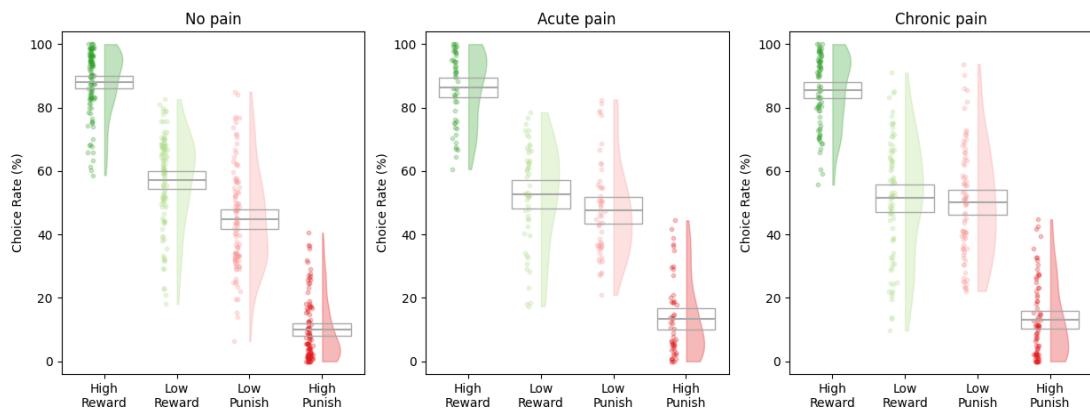
$t(184) = 0.5, p = 0.6178, d = 0.07$ .

**Group:Binned\_Trial\***:  $\chi^2(6, N=238) = 25.71, p < 0.001$

**Context:Binned\_Trial**:  $\chi^2(3, N=238) = 4.88, p = 0.181$

**Group:Context:Binned\_Trial**:  $\chi^2(6, N=238) = 8.79, p = 0.186$

## Choice Rate



**Figure 6.** Choice rate for each symbol during transfer trials for each group. Choice rate is computed as the percentage of times a symbol was chosen given the number of times it was presented. Boxplots show the mean and 95% confidence intervals of the choice rate for each symbol type across participants within each group. Half-violin plots show the distribution of choice rates for each symbol type across participants within each group. Scatter points show the averaged choice rate for each participant within each symbol type.

## Transfer Choice Rate Statistics

Choice\_rate in the transfer phase was modelled using a linear mixed effects model with the following formula:  $\text{choice\_rate} \sim 1 + \text{group:symbol} + (1|\text{participant\_id})$ , where *group*, *symbol*, *group:symbol* are the fixed effects and *participant\_id* is the random effect. Following each main and interaction finding from the linear model, we report planned comparison t-tests, corrected using a Welch's t-test when the assumption of homogeneity of variance was violated. Further, Tukey HSD post-hoc comparisons can be found in Appendix A.

**Group:**  $\chi^2(2, N=238) = 1.59, p = 0.452$

### Chronic Pain Vs No Pain

$t(184) = -3.01, p = 0.003^*, d = -0.45.$

### Chronic Pain Vs Acute Pain

$t(129) = -0.63, p = 0.5267, d = -0.11.$

**Symbol\*:**  $\chi^2(4, N=238) = 664.15, p < 0.001$

### High Reward Vs Low Punish

$t(237) = 27.33, p < 0.0001^*, d = 1.77.$

### Low Reward Vs Low Punish

$t(237) = 3.59, p = 0.0004^*, d = 0.23.$

**Group:Symbol\*:**  $\chi^2(8, N=238) = 22.96, p = 0.003$

### No Pain Vs Acute Pain: High Reward-Low Punish

$t(157) = -1.27, p = 0.2051, d = -0.22.$

### No Pain Vs Chronic Pain: High Reward-Low Punish

$t(184) = -2.43, p = 0.016^*, d = -0.36.$

### Acute Pain Vs Chronic Pain: High Reward-Low Punish

$t(129) = -0.83, p = 0.4072, d = -0.15.$

### No Pain Vs Acute Pain: Low Reward-Low Punish

$t(157) = 1.56, p = 0.1205, d = 0.26.$

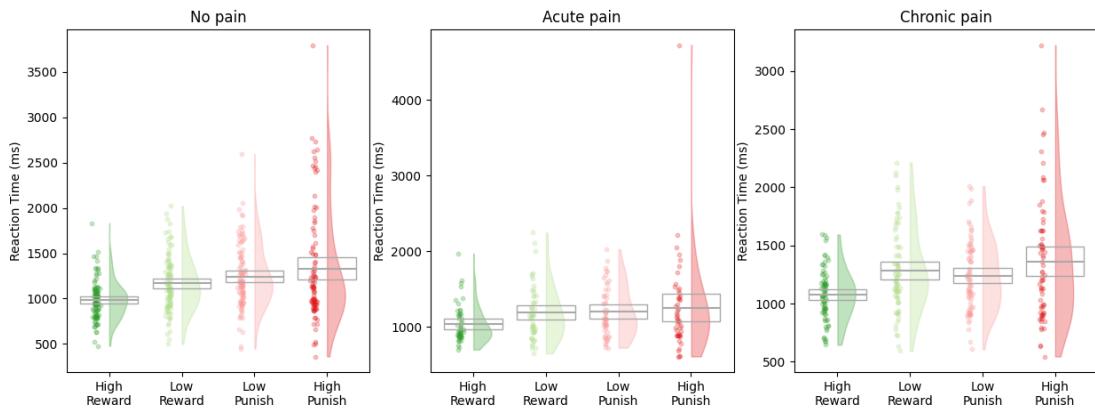
### No Pain Vs Chronic Pain: Low Reward-Low Punish

$t(184) = 2.39, p = 0.0179^*, d = 0.35.$

### Acute Pain Vs Chronic Pain: Low Reward-Low Punish

$t(129) = 0.63, p = 0.5292, d = 0.11.$

## Transfer Reaction Time



**Figure 7.** Reaction times for each symbol during transfer trials for each group. Boxplots show the mean and 95% confidence intervals of the reaction times for each symbol type across participants within each group. Half-violin plots show the distribution of reaction times for each symbol type across participants within each group. Scatter points show the averaged reaction time for each participant within each symbol type.

## Transfer Rt Statistics

Choice\_rt in the transfer phase was modelled using a linear mixed effects model with the following formula:  $choice\_rt \sim 1 + group:symbol + (1|participant\_id)$ , where *group*, *symbol*, *group:symbol* are the fixed effects and *participant\_id* is the random effect. Following each main and interaction finding from the linear model, we report planned comparison t-tests, corrected using a Welch's t-test when the assumption of homogeneity of variance was violated. Further, Tukey HSD post-hoc comparisons can be found in Appendix A.

**Group:**  $\chi^2(2, N=238) = 1.93, p = 0.381$

### Chronic Pain Vs No Pain

$t(184) = -1.73, p = 0.0851, d = -0.26.$

### Chronic Pain Vs Acute Pain

$t(129) = -1.74, p = 0.0848, d = -0.31.$

**Symbol\*:**  $\chi^2(4, N=238) = 427.34, p < 0.001$

### High Reward Vs Low Punish

$t(237) = -14.53, p < 0.0001^*, d = -0.94.$

### Low Reward Vs Low Punish

$t(237) = -1.39, p = 0.1656, d = -0.09.$

**Group:Symbol\*:**  $\chi^2(8, N=238) = 33.52, p < 0.001$

### No Pain Vs Acute Pain: High Reward-Low Punish

$t(157) = 2.49, p = 0.0139^*, d = 0.42.$

### No Pain Vs Chronic Pain: High Reward-Low Punish

$t(184) = 2.91, p = 0.0041^*, d = 0.43.$

### Acute Pain Vs Chronic Pain: High Reward-Low Punish

$t(129) = 0.01, p = 0.9911, d = 0.0.$

### No Pain Vs Acute Pain: Low Reward-Low Punish

$t(157) = -1.67, p = 0.0978, d = -0.28.$

### No Pain Vs Chronic Pain: Low Reward-Low Punish

$t(184) = -3.16, p = 0.0018^*, d = -0.47.$

### Acute Pain Vs Chronic Pain: Low Reward-Low Punish

$t(129) = -1.24, p = 0.218, d = -0.22.$

## **Appendix A**

Appendix A contains a collection of all possible post-hoc comparisons. Some of these are the same as the planned comparisons and should be ignored. In addition, many of these comparisons are not meaningful, but we included them for completeness.

# Post-Hoc Comparisons: Group Comparisons

## Learning Accuracy

Table 2.

factor	Meandiff	P-Adj	Reject
Acute Pain Vs Chronic Pain	-0.883600	0.867500	False
Acute Pain Vs No Pain	0.006800	1.000000	False
Chronic Pain Vs No Pain	0.890300	0.811300	False

## Learning Reaction Time

Table 3.

factor	Meandiff	P-Adj	Reject
Acute Pain Vs Chronic Pain	-0.000100	0.146000	False
Acute Pain Vs No Pain	0.000000	0.680400	False
Chronic Pain Vs No Pain	0.000100	0.004200	True

## Transfer Accuracy

Table 4.

factor	Meandiff	P-Adj	Reject
Acute Pain Vs Chronic Pain	-1.244000	0.790500	False
Acute Pain Vs No Pain	3.479400	0.132300	False
Chronic Pain Vs No Pain	4.723400	0.008700	True

## Transfer Reaction Time

Table 5.

factor	Meandiff	P-Adj	Reject
<b>Acute Pain Vs Chronic Pain</b>	-0.000100	0.235500	False
<b>Acute Pain Vs No Pain</b>	-0.000000	0.975700	False
<b>Chronic Pain Vs No Pain</b>	0.000100	0.199800	False

# Post-Hoc Comparisons: Context Comparisons

## Transfer Accuracy

Table 6.

factor	Meandiff	P-Adj	Reject
<b>High Punish Vs High Reward</b>	75.015800	0.000000	True
<b>High Punish Vs Low Punish</b>	35.351100	0.000000	True
<b>High Punish Vs Low Reward</b>	42.527900	0.000000	True
<b>High Reward Vs Low Punish</b>	-39.664700	0.000000	True
<b>High Reward Vs Low Reward</b>	-32.487900	0.000000	True
<b>Low Punish Vs Low Reward</b>	7.176800	0.000000	True

## Transfer Reaction Time

Table 7.

factor	Meandiff	P-Adj	Reject
<b>High Punish Vs High Reward</b>	-297.206600	0.000000	True
<b>High Punish Vs Low Punish</b>	-90.838200	0.060700	False
<b>High Punish Vs Low Reward</b>	-113.322200	0.010100	True
<b>High Reward Vs Low Punish</b>	206.368400	0.000000	True
<b>High Reward Vs Low Reward</b>	183.884400	0.000000	True
<b>Low Punish Vs Low Reward</b>	-22.484000	0.921800	False

# Post-Hoc Comparisons: Trial Comparisons

## Learning Accuracy

Table 8.

factor	Meandiff	P-Adj	Reject
<b>Early Vs Late</b>	22.341300	0.000000	True
<b>Early Vs Mid-Early</b>	15.360400	0.000000	True
<b>Early Vs Mid-Late</b>	18.411300	0.000000	True
<b>Late Vs Mid-Early</b>	-6.980900	0.000000	True
<b>Late Vs Mid-Late</b>	-3.930000	0.005100	True
<b>Mid-Early Vs Mid-Late</b>	3.050900	0.049300	True

## Learning Reaction Time

Table 9.

factor	Meandiff	P-Adj	Reject
<b>Early Vs Late</b>	0.000200	0.000000	True
<b>Early Vs Mid-Early</b>	0.000100	0.000000	True
<b>Early Vs Mid-Late</b>	0.000200	0.000000	True
<b>Late Vs Mid-Early</b>	-0.000100	0.000000	True
<b>Late Vs Mid-Late</b>	-0.000000	0.463000	False
<b>Mid-Early Vs Mid-Late</b>	0.000100	0.010300	True

# Post-Hoc Comparisons: Interaction Comparisons

## Learning Accuracy: Group x Context

Table 10.

factor	Meandiff	P-Adj	Reject
<b>Acute Pain &amp; Loss Avoid Vs Acute Pain &amp; Reward</b>	0.970500	0.998900	False
<b>Acute Pain &amp; Loss Avoid Vs Chronic Pain &amp; Loss Avoid</b>	-1.993900	0.954000	False
<b>Acute Pain &amp; Loss Avoid Vs Chronic Pain &amp; Reward</b>	1.201300	0.995300	False
<b>Acute Pain &amp; Loss Avoid Vs No Pain &amp; Loss Avoid</b>	-0.478100	0.999900	False
<b>Acute Pain &amp; Loss Avoid Vs No Pain &amp; Reward</b>	1.515900	0.982200	False
<b>Acute Pain &amp; Reward Vs Chronic Pain &amp; Loss Avoid</b>	-2.964400	0.790400	False
<b>Acute Pain &amp; Reward Vs Chronic Pain &amp; Reward</b>	0.230700	1.000000	False
<b>Acute Pain &amp; Reward Vs No Pain &amp; Loss Avoid</b>	-1.448600	0.985500	False
<b>Acute Pain &amp; Reward Vs No Pain &amp; Reward</b>	0.545400	0.999900	False
<b>Chronic Pain &amp; Loss Avoid Vs Chronic Pain &amp; Reward</b>	3.195100	0.624900	False
<b>Chronic Pain &amp; Loss Avoid Vs No Pain &amp; Loss Avoid</b>	1.515800	0.968500	False
<b>Chronic Pain &amp; Loss Avoid Vs No Pain &amp; Reward</b>	3.509800	0.441700	False
<b>Chronic Pain &amp; Reward Vs No Pain &amp; Loss Avoid</b>	-1.679300	0.951200	False
<b>Chronic Pain &amp; Reward Vs No Pain &amp; Reward</b>	0.314700	1.000000	False
<b>No Pain &amp; Loss Avoid Vs No Pain &amp; Reward</b>	1.994000	0.867200	False

## **Learning Accuracy: Group x Trial**

**Table 11.**

factor	Meandiff	P-Adj	Reject
<b>Acute Pain &amp; Early Vs Acute Pain &amp; Late</b>	22.691000	0.000000	True
<b>Acute Pain &amp; Early Vs Acute Pain &amp; Mid-Early</b>	15.888100	0.000000	True
<b>Acute Pain &amp; Early Vs Acute Pain &amp; Mid-Late</b>	18.867600	0.000000	True
<b>Acute Pain &amp; Early Vs Chronic Pain &amp; Early</b>	-2.562700	0.994200	False
<b>Acute Pain &amp; Early Vs Chronic Pain &amp; Late</b>	21.929500	0.000000	True
<b>Acute Pain &amp; Early Vs Chronic Pain &amp; Mid-Early</b>	15.655100	0.000000	True
<b>Acute Pain &amp; Early Vs Chronic Pain &amp; Mid-Late</b>	18.893300	0.000000	True
<b>Acute Pain &amp; Early Vs No Pain &amp; Early</b>	2.003200	0.999000	False
<b>Acute Pain &amp; Early Vs No Pain &amp; Late</b>	22.586500	0.000000	True
<b>Acute Pain &amp; Early Vs No Pain &amp; Mid-Early</b>	14.997400	0.000000	True
<b>Acute Pain &amp; Early Vs No Pain &amp; Mid-Late</b>	17.944800	0.000000	True
<b>Acute Pain &amp; Late Vs Acute Pain &amp; Mid-Early</b>	-6.802900	0.235000	False
<b>Acute Pain &amp; Late Vs Acute Pain &amp; Mid-Late</b>	-3.823400	0.938100	False
<b>Acute Pain &amp; Late Vs Chronic Pain &amp; Early</b>	-25.253700	0.000000	True
<b>Acute Pain &amp; Late Vs Chronic Pain &amp; Late</b>	-0.761500	1.000000	False
<b>Acute Pain &amp; Late Vs Chronic Pain &amp; Mid-Early</b>	-7.035900	0.096100	False
<b>Acute Pain &amp; Late Vs Chronic Pain &amp; Mid-Late</b>	-3.797700	0.891300	False
<b>Acute Pain &amp; Late Vs No Pain &amp; Early</b>	-20.687700	0.000000	True
<b>Acute Pain &amp; Late Vs No Pain &amp; Late</b>	-0.104400	1.000000	False
<b>Acute Pain &amp; Late Vs No Pain &amp; Mid-Early</b>	-7.693500	0.022600	True
<b>Acute Pain &amp; Late Vs No Pain &amp; Mid-Late</b>	-4.746200	0.569300	False
<b>Acute Pain &amp; Mid-Early Vs Acute Pain &amp; Mid-Late</b>	2.979400	0.990600	False
<b>Acute Pain &amp; Mid-Early Vs Chronic Pain &amp; Early</b>	-18.450800	0.000000	True
<b>Acute Pain &amp; Mid-Early Vs Chronic Pain &amp; Late</b>	6.041400	0.270300	False
<b>Acute Pain &amp; Mid-Early Vs Chronic Pain &amp; Mid-Early</b>	-0.233000	1.000000	False
<b>Acute Pain &amp; Mid-Early Vs Chronic Pain &amp; Mid-Late</b>	3.005200	0.978800	False
<b>Acute Pain &amp; Mid-Early Vs No Pain &amp; Early</b>	-13.884900	0.000000	True
<b>Acute Pain &amp; Mid-Early Vs No Pain &amp; Late</b>	6.698400	0.091700	False
<b>Acute Pain &amp; Mid-Early Vs No Pain &amp; Mid-Early</b>	-0.890700	1.000000	False
<b>Acute Pain &amp; Mid-Early Vs No Pain &amp; Mid-Late</b>	2.056700	0.998700	False

factor	Meandiff	P-Adj	Reject
<b>Acute Pain &amp; Mid-Late Vs Chronic Pain &amp; Early</b>	-21.430200	0.000000	True
<b>Acute Pain &amp; Mid-Late Vs Chronic Pain &amp; Late</b>	3.061900	0.975500	False
<b>Acute Pain &amp; Mid-Late Vs Chronic Pain &amp; Mid-Early</b>	-3.212500	0.964900	False
<b>Acute Pain &amp; Mid-Late Vs Chronic Pain &amp; Mid-Late</b>	0.025700	1.000000	False
<b>Acute Pain &amp; Mid-Late Vs No Pain &amp; Early</b>	-16.864300	0.000000	True
<b>Acute Pain &amp; Mid-Late Vs No Pain &amp; Late</b>	3.719000	0.866700	False
<b>Acute Pain &amp; Mid-Late Vs No Pain &amp; Mid-Early</b>	-3.870100	0.832700	False
<b>Acute Pain &amp; Mid-Late Vs No Pain &amp; Mid-Late</b>	-0.922800	1.000000	False
<b>Chronic Pain &amp; Early Vs Chronic Pain &amp; Late</b>	24.492200	0.000000	True
<b>Chronic Pain &amp; Early Vs Chronic Pain &amp; Mid-Early</b>	18.217800	0.000000	True
<b>Chronic Pain &amp; Early Vs Chronic Pain &amp; Mid-Late</b>	21.456000	0.000000	True
<b>Chronic Pain &amp; Early Vs No Pain &amp; Early</b>	4.565900	0.418700	False
<b>Chronic Pain &amp; Early Vs No Pain &amp; Late</b>	25.149200	0.000000	True
<b>Chronic Pain &amp; Early Vs No Pain &amp; Mid-Early</b>	17.560100	0.000000	True
<b>Chronic Pain &amp; Early Vs No Pain &amp; Mid-Late</b>	20.507500	0.000000	True
<b>Chronic Pain &amp; Late Vs Chronic Pain &amp; Mid-Early</b>	-6.274400	0.095400	False
<b>Chronic Pain &amp; Late Vs Chronic Pain &amp; Mid-Late</b>	-3.036200	0.946500	False
<b>Chronic Pain &amp; Late Vs No Pain &amp; Early</b>	-19.926300	0.000000	True
<b>Chronic Pain &amp; Late Vs No Pain &amp; Late</b>	0.657100	1.000000	False
<b>Chronic Pain &amp; Late Vs No Pain &amp; Mid-Early</b>	-6.932000	0.016300	True
<b>Chronic Pain &amp; Late Vs No Pain &amp; Mid-Late</b>	-3.984700	0.637600	False
<b>Chronic Pain &amp; Mid-Early Vs Chronic Pain &amp; Mid-Late</b>	3.238200	0.917600	False
<b>Chronic Pain &amp; Mid-Early Vs No Pain &amp; Early</b>	-13.651900	0.000000	True
<b>Chronic Pain &amp; Mid-Early Vs No Pain &amp; Late</b>	6.931400	0.016300	True
<b>Chronic Pain &amp; Mid-Early Vs No Pain &amp; Mid-Early</b>	-0.657600	1.000000	False
<b>Chronic Pain &amp; Mid-Early Vs No Pain &amp; Mid-Late</b>	2.289700	0.989300	False
<b>Chronic Pain &amp; Mid-Late Vs No Pain &amp; Early</b>	-16.890100	0.000000	True
<b>Chronic Pain &amp; Mid-Late Vs No Pain &amp; Late</b>	3.693200	0.741700	False
<b>Chronic Pain &amp; Mid-Late Vs No Pain &amp; Mid-Early</b>	-3.895800	0.670400	False
<b>Chronic Pain &amp; Mid-Late Vs No Pain &amp; Mid-Late</b>	-0.948500	1.000000	False

factor	Meandiff	P-Adj	Reject
<b>No Pain &amp; Early Vs No Pain &amp; Late</b>	20.583300	0.000000	True
<b>No Pain &amp; Early Vs No Pain &amp; Mid-Early</b>	12.994200	0.000000	True
<b>No Pain &amp; Early Vs No Pain &amp; Mid-Late</b>	15.941500	0.000000	True
<b>No Pain &amp; Late Vs No Pain &amp; Mid-Early</b>	-7.589100	0.001100	True
<b>No Pain &amp; Late Vs No Pain &amp; Mid-Late</b>	-4.641800	0.265100	False
<b>No Pain &amp; Mid-Early Vs No Pain &amp; Mid-Late</b>	2.947300	0.881900	False

## Learning Accuracy: Context x Trial

Table 12.

factor	Meandiff	P-Adj	Reject
<b>Loss Avoid &amp; Early Vs Loss Avoid &amp; Late</b>	23.736100	0.000000	True
<b>Loss Avoid &amp; Early Vs Loss Avoid &amp; Mid-Early</b>	14.950800	0.000000	True
<b>Loss Avoid &amp; Early Vs Loss Avoid &amp; Mid-Late</b>	18.066300	0.000000	True
<b>Loss Avoid &amp; Early Vs Reward &amp; Early</b>	2.533100	0.761100	False
<b>Loss Avoid &amp; Early Vs Reward &amp; Late</b>	23.470000	0.000000	True
<b>Loss Avoid &amp; Early Vs Reward &amp; Mid-Early</b>	18.262500	0.000000	True
<b>Loss Avoid &amp; Early Vs Reward &amp; Mid-Late</b>	21.221000	0.000000	True
<b>Loss Avoid &amp; Late Vs Loss Avoid &amp; Mid-Early</b>	-8.785300	0.000000	True
<b>Loss Avoid &amp; Late Vs Loss Avoid &amp; Mid-Late</b>	-5.669800	0.009700	True
<b>Loss Avoid &amp; Late Vs Reward &amp; Early</b>	-21.203000	0.000000	True
<b>Loss Avoid &amp; Late Vs Reward &amp; Late</b>	-0.266100	1.000000	False
<b>Loss Avoid &amp; Late Vs Reward &amp; Mid-Early</b>	-5.473600	0.014800	True
<b>Loss Avoid &amp; Late Vs Reward &amp; Mid-Late</b>	-2.515100	0.767800	False
<b>Loss Avoid &amp; Mid-Early Vs Loss Avoid &amp; Mid-Late</b>	3.115500	0.519100	False
<b>Loss Avoid &amp; Mid-Early Vs Reward &amp; Early</b>	-12.417700	0.000000	True
<b>Loss Avoid &amp; Mid-Early Vs Reward &amp; Late</b>	8.519200	0.000000	True
<b>Loss Avoid &amp; Mid-Early Vs Reward &amp; Mid-Early</b>	3.311700	0.435900	False
<b>Loss Avoid &amp; Mid-Early Vs Reward &amp; Mid-Late</b>	6.270300	0.002400	True
<b>Loss Avoid &amp; Mid-Late Vs Reward &amp; Early</b>	-15.533200	0.000000	True
<b>Loss Avoid &amp; Mid-Late Vs Reward &amp; Late</b>	5.403700	0.017200	True
<b>Loss Avoid &amp; Mid-Late Vs Reward &amp; Mid-Early</b>	0.196200	1.000000	False
<b>Loss Avoid &amp; Mid-Late Vs Reward &amp; Mid-Late</b>	3.154800	0.502200	False
<b>Reward &amp; Early Vs Reward &amp; Late</b>	20.936900	0.000000	True
<b>Reward &amp; Early Vs Reward &amp; Mid-Early</b>	15.729400	0.000000	True
<b>Reward &amp; Early Vs Reward &amp; Mid-Late</b>	18.687900	0.000000	True
<b>Reward &amp; Late Vs Reward &amp; Mid-Early</b>	-5.207500	0.025600	True
<b>Reward &amp; Late Vs Reward &amp; Mid-Late</b>	-2.249000	0.855300	False
<b>Reward &amp; Mid-Early Vs Reward &amp; Mid-Late</b>	2.958600	0.587100	False

## Learning Accuracy: Group x Context x Trial

Table 13.

factor	Meandiff	P-Adj	Reject
Acute Pain & Loss Avoid & Early Vs Acute Pain & Loss Avoid & Late	24.181200	0.000000	True
Acute Pain & Loss Avoid & Early Vs Acute Pain & Loss Avoid & Mid-Early	17.467900	0.000100	True
Acute Pain & Loss Avoid & Early Vs Acute Pain & Loss Avoid & Mid-Late	21.022700	0.000000	True
Acute Pain & Loss Avoid & Early Vs Acute Pain & Reward & Early	3.706300	1.000000	False
Acute Pain & Loss Avoid & Early Vs Acute Pain & Reward & Late	24.898000	0.000000	True
Acute Pain & Loss Avoid & Early Vs Acute Pain & Reward & Mid-Early	17.875900	0.000100	True
Acute Pain & Loss Avoid & Early Vs Acute Pain & Reward & Mid-Late	20.279700	0.000000	True
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Early	-3.106900	1.000000	False
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Late	23.262500	0.000000	True
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Mid-Early	16.260200	0.000100	True
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Mid-Late	18.365700	0.000000	True
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Early	1.564500	1.000000	False
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Late	24.244500	0.000000	True
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Mid-Early	18.661400	0.000000	True
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Mid-Late	23.074500	0.000000	True
Acute Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Early	3.694400	0.999900	False
Acute Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Late	25.270000	0.000000	True
Acute Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Mid-Early	14.161200	0.000500	True
Acute Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Mid-Late	17.808900	0.000000	True
Acute Pain & Loss Avoid & Early Vs No Pain & Reward & Early	4.078600	0.999600	False
Acute Pain & Loss Avoid & Early Vs No Pain & Reward & Late	23.604700	0.000000	True
Acute Pain & Loss Avoid & Early Vs No Pain & Reward & Mid-Early	19.556300	0.000000	True
Acute Pain & Loss Avoid & Early Vs No Pain & Reward & Mid-Late	21.710600	0.000000	True
Acute Pain & Loss Avoid & Late Vs Acute Pain & Loss Avoid & Mid-Early	-6.713300	0.957100	False
Acute Pain & Loss Avoid & Late Vs Acute Pain & Loss Avoid & Mid-Late	-3.158500	1.000000	False
Acute Pain & Loss Avoid & Late Vs Acute Pain & Reward & Early	-20.474900	0.000000	True
Acute Pain & Loss Avoid & Late Vs Acute Pain & Reward & Late	0.716800	1.000000	False
Acute Pain & Loss Avoid & Late Vs Acute Pain & Reward & Mid-Early	-6.305400	0.978700	False
Acute Pain & Loss Avoid & Late Vs Acute Pain & Reward & Mid-Late	-3.901500	1.000000	False
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Early	-27.288100	0.000000	True

factor	Meandiff	P-Adj	Reject
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Late	-0.918800	1.000000	False
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Mid-Early	-7.921100	0.646700	False
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Mid-Late	-5.815500	0.975300	False
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Early	-22.616700	0.000000	True
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Late	0.063200	1.000000	False
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Mid-Early	-5.519800	0.986700	False
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Mid-Late	-1.106700	1.000000	False
Acute Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Early	-20.486800	0.000000	True
Acute Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Late	1.088800	1.000000	False
Acute Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Mid-Early	-10.020000	0.109200	False
Acute Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Mid-Late	-6.372300	0.890700	False
Acute Pain & Loss Avoid & Late Vs No Pain & Reward & Early	-20.102600	0.000000	True
Acute Pain & Loss Avoid & Late Vs No Pain & Reward & Late	-0.576500	1.000000	False
Acute Pain & Loss Avoid & Late Vs No Pain & Reward & Mid-Early	-4.624900	0.997400	False
Acute Pain & Loss Avoid & Late Vs No Pain & Reward & Mid-Late	-2.470700	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs Acute Pain & Loss Avoid & Mid-Late	3.554800	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs Acute Pain & Reward & Early	-13.761700	0.013200	True
Acute Pain & Loss Avoid & Mid-Early Vs Acute Pain & Reward & Late	7.430100	0.885800	False
Acute Pain & Loss Avoid & Mid-Early Vs Acute Pain & Reward & Mid-Early	0.407900	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs Acute Pain & Reward & Mid-Late	2.811800	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Loss Avoid & Early	-20.574900	0.000000	True
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Loss Avoid & Late	5.794500	0.976300	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Loss Avoid & Mid-Early	-1.207800	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Loss Avoid & Mid-Late	0.897800	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Reward & Early	-15.903500	0.000100	True
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Reward & Late	6.776500	0.884200	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Reward & Mid-Early	1.193500	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Reward & Mid-Late	5.606600	0.983900	False
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Early	-13.773500	0.000800	True
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Late	7.802000	0.564600	False

factor	Meandiff	P-Adj	Reject
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Mid-Early	-3.306700	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Mid-Late	0.341000	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Early	-13.389300	0.001500	True
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Late	6.136800	0.922600	False
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Mid-Early	2.088400	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Mid-Late	4.242600	0.999300	False
Acute Pain & Loss Avoid & Mid-Late Vs Acute Pain & Reward & Early	-17.316400	0.000100	True
Acute Pain & Loss Avoid & Mid-Late Vs Acute Pain & Reward & Late	3.875300	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs Acute Pain & Reward & Mid-Early	-3.146900	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs Acute Pain & Reward & Mid-Late	-0.743000	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Loss Avoid & Early	-24.129600	0.000000	True
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Loss Avoid & Late	2.239800	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Loss Avoid & Mid-Early	-4.762500	0.998200	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Loss Avoid & Mid-Late	-2.657000	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Reward & Early	-19.458200	0.000000	True
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Reward & Late	3.221700	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Reward & Mid-Early	-2.361300	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Reward & Mid-Late	2.051800	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Loss Avoid & Early	-17.328300	0.000000	True
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Loss Avoid & Late	4.247300	0.999300	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Loss Avoid & Mid-Early	-6.861500	0.801500	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Loss Avoid & Mid-Late	-3.213800	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Early	-16.944100	0.000000	True
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Late	2.582000	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Mid-Early	-1.466400	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Mid-Late	0.687800	1.000000	False
Acute Pain & Reward & Early Vs Acute Pain & Reward & Late	21.191700	0.000000	True
Acute Pain & Reward & Early Vs Acute Pain & Reward & Mid-Early	14.169600	0.008300	True
Acute Pain & Reward & Early Vs Acute Pain & Reward & Mid-Late	16.573400	0.000400	True
Acute Pain & Reward & Early Vs Chronic Pain & Loss Avoid & Early	-6.813200	0.878700	False

factor	Meandiff	P-Adj	Reject
Acute Pain & Reward & Early Vs Chronic Pain & Loss Avoid & Late	19.556200	0.000000	True
Acute Pain & Reward & Early Vs Chronic Pain & Loss Avoid & Mid-Early	12.553900	0.012800	True
Acute Pain & Reward & Early Vs Chronic Pain & Loss Avoid & Mid-Late	14.659400	0.000700	True
Acute Pain & Reward & Early Vs Chronic Pain & Reward & Early	-2.141800	1.000000	False
Acute Pain & Reward & Early Vs Chronic Pain & Reward & Late	20.538200	0.000000	True
Acute Pain & Reward & Early Vs Chronic Pain & Reward & Mid-Early	14.955100	0.000500	True
Acute Pain & Reward & Early Vs Chronic Pain & Reward & Mid-Late	19.368200	0.000000	True
Acute Pain & Reward & Early Vs No Pain & Loss Avoid & Early	-0.011900	1.000000	False
Acute Pain & Reward & Early Vs No Pain & Loss Avoid & Late	21.563700	0.000000	True
Acute Pain & Reward & Early Vs No Pain & Loss Avoid & Mid-Early	10.455000	0.070100	False
Acute Pain & Reward & Early Vs No Pain & Loss Avoid & Mid-Late	14.102600	0.000500	True
Acute Pain & Reward & Early Vs No Pain & Reward & Early	0.372400	1.000000	False
Acute Pain & Reward & Early Vs No Pain & Reward & Late	19.898500	0.000000	True
Acute Pain & Reward & Early Vs No Pain & Reward & Mid-Early	15.850000	0.000000	True
Acute Pain & Reward & Early Vs No Pain & Reward & Mid-Late	18.004300	0.000000	True
Acute Pain & Reward & Late Vs Acute Pain & Reward & Mid-Early	-7.022100	0.932200	False
Acute Pain & Reward & Late Vs Acute Pain & Reward & Mid-Late	-4.618300	0.999700	False
Acute Pain & Reward & Late Vs Chronic Pain & Loss Avoid & Early	-28.004900	0.000000	True
Acute Pain & Reward & Late Vs Chronic Pain & Loss Avoid & Late	-1.635500	1.000000	False
Acute Pain & Reward & Late Vs Chronic Pain & Loss Avoid & Mid-Early	-8.637800	0.463100	False
Acute Pain & Reward & Late Vs Chronic Pain & Loss Avoid & Mid-Late	-6.532300	0.916800	False
Acute Pain & Reward & Late Vs Chronic Pain & Reward & Early	-23.333500	0.000000	True
Acute Pain & Reward & Late Vs Chronic Pain & Reward & Late	-0.653600	1.000000	False
Acute Pain & Reward & Late Vs Chronic Pain & Reward & Mid-Early	-6.236600	0.947200	False
Acute Pain & Reward & Late Vs Chronic Pain & Reward & Mid-Late	-1.823500	1.000000	False
Acute Pain & Reward & Late Vs No Pain & Loss Avoid & Early	-21.203600	0.000000	True
Acute Pain & Reward & Late Vs No Pain & Loss Avoid & Late	0.372000	1.000000	False
Acute Pain & Reward & Late Vs No Pain & Loss Avoid & Mid-Early	-10.736800	0.051500	False
Acute Pain & Reward & Late Vs No Pain & Loss Avoid & Mid-Late	-7.089100	0.750200	False
Acute Pain & Reward & Late Vs No Pain & Reward & Early	-20.819400	0.000000	True

factor	Meandiff	P-Adj	Reject
Acute Pain & Reward & Late Vs No Pain & Reward & Late	-1.293300	1.000000	False
Acute Pain & Reward & Late Vs No Pain & Reward & Mid-Early	-5.341700	0.982600	False
Acute Pain & Reward & Late Vs No Pain & Reward & Mid-Late	-3.187400	1.000000	False
Acute Pain & Reward & Mid-Early Vs Acute Pain & Reward & Mid-Late	2.403800	1.000000	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Loss Avoid & Early	-20.982800	0.000000	True
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Loss Avoid & Late	5.386600	0.990200	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Loss Avoid & Mid-Early	-1.615700	1.000000	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Loss Avoid & Mid-Late	0.489900	1.000000	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Reward & Early	-16.311400	0.000100	True
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Reward & Late	6.368600	0.934800	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Reward & Mid-Early	0.785500	1.000000	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Reward & Mid-Late	5.198700	0.993900	False
Acute Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Early	-14.181400	0.000400	True
Acute Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Late	7.394100	0.674200	False
Acute Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Mid-Early	-3.714600	0.999900	False
Acute Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Mid-Late	-0.066900	1.000000	False
Acute Pain & Reward & Mid-Early Vs No Pain & Reward & Early	-13.797200	0.000800	True
Acute Pain & Reward & Mid-Early Vs No Pain & Reward & Late	5.728900	0.961500	False
Acute Pain & Reward & Mid-Early Vs No Pain & Reward & Mid-Early	1.680400	1.000000	False
Acute Pain & Reward & Mid-Early Vs No Pain & Reward & Mid-Late	3.834700	0.999900	False
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Loss Avoid & Early	-23.386600	0.000000	True
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Loss Avoid & Late	2.982800	1.000000	False
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Loss Avoid & Mid-Early	-4.019500	0.999900	False
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Loss Avoid & Mid-Late	-1.914000	1.000000	False
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Reward & Early	-18.715200	0.000000	True
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Reward & Late	3.964700	0.999900	False
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Reward & Mid-Early	-1.618300	1.000000	False
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Reward & Mid-Late	2.794800	1.000000	False
Acute Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Early	-16.585300	0.000000	True
Acute Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Late	4.990300	0.992600	False

factor	Meandiff	P-Adj	Reject
Acute Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Mid-Early	-6.118500	0.924700	False
Acute Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Mid-Late	-2.470800	1.000000	False
Acute Pain & Reward & Mid-Late Vs No Pain & Reward & Early	-16.201100	0.000000	True
Acute Pain & Reward & Mid-Late Vs No Pain & Reward & Late	3.325000	1.000000	False
Acute Pain & Reward & Mid-Late Vs No Pain & Reward & Mid-Early	-0.723400	1.000000	False
Acute Pain & Reward & Mid-Late Vs No Pain & Reward & Mid-Late	1.430900	1.000000	False
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Late	26.369400	0.000000	True
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Mid-Early	19.367100	0.000000	True
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Mid-Late	21.472600	0.000000	True
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Early	4.671400	0.993100	False
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Late	27.351400	0.000000	True
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Mid-Early	21.768300	0.000000	True
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Mid-Late	26.181400	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Early	6.801300	0.578600	False
Chronic Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Late	28.376900	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Mid-Early	17.268200	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Mid-Late	20.915800	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Reward & Early	7.185600	0.460000	False
Chronic Pain & Loss Avoid & Early Vs No Pain & Reward & Late	26.711700	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Reward & Mid-Early	22.663200	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Reward & Mid-Late	24.817500	0.000000	True
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Mid-Early	-7.002300	0.662300	False
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Mid-Late	-4.896800	0.987400	False
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Early	-21.698000	0.000000	True
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Late	0.982000	1.000000	False
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Mid-Early	-4.601100	0.994400	False
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Mid-Late	-0.188000	1.000000	False
Chronic Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Early	-19.568100	0.000000	True
Chronic Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Late	2.007500	1.000000	False
Chronic Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Mid-Early	-9.101200	0.076500	False

factor	Meandiff	P-Adj	Reject
<b>Chronic Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Loss Avoid &amp; Mid-Late</b>	-5.453500	0.912800	False
<b>Chronic Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Reward &amp; Early</b>	-19.183800	0.000000	True
<b>Chronic Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Reward &amp; Late</b>	0.342300	1.000000	False
<b>Chronic Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Reward &amp; Mid-Early</b>	-3.706200	0.999300	False
<b>Chronic Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Reward &amp; Mid-Late</b>	-1.551900	1.000000	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs Chronic Pain &amp; Loss Avoid &amp; Mid-Late</b>	2.105500	1.000000	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs Chronic Pain &amp; Reward &amp; Early</b>	-14.695700	0.000000	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs Chronic Pain &amp; Reward &amp; Late</b>	7.984300	0.384300	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs Chronic Pain &amp; Reward &amp; Mid-Early</b>	2.401200	1.000000	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs Chronic Pain &amp; Reward &amp; Mid-Late</b>	6.814300	0.713500	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Loss Avoid &amp; Early</b>	-12.565700	0.000300	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Loss Avoid &amp; Late</b>	9.009800	0.085200	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Loss Avoid &amp; Mid-Early</b>	-2.098900	1.000000	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Loss Avoid &amp; Mid-Late</b>	1.548800	1.000000	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Reward &amp; Early</b>	-12.181500	0.000700	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Reward &amp; Late</b>	7.344600	0.412800	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Reward &amp; Mid-Early</b>	3.296100	0.999900	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Reward &amp; Mid-Late</b>	5.450400	0.913300	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs Chronic Pain &amp; Reward &amp; Early</b>	-16.801200	0.000000	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs Chronic Pain &amp; Reward &amp; Late</b>	5.878700	0.908700	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs Chronic Pain &amp; Reward &amp; Mid-Early</b>	0.295700	1.000000	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs Chronic Pain &amp; Reward &amp; Mid-Late</b>	4.708800	0.992400	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Loss Avoid &amp; Early</b>	-14.671300	0.000000	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Loss Avoid &amp; Late</b>	6.904300	0.546600	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Loss Avoid &amp; Mid-Early</b>	-4.204500	0.995700	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Loss Avoid &amp; Mid-Late</b>	-0.556800	1.000000	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Reward &amp; Early</b>	-14.287100	0.000000	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Reward &amp; Late</b>	5.239000	0.940800	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Reward &amp; Mid-Early</b>	1.190600	1.000000	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Reward &amp; Mid-Late</b>	3.344800	0.999900	False

factor	Meandiff	P-Adj	Reject
Chronic Pain & Reward & Early Vs Chronic Pain & Reward & Late	22.680000	0.000000	True
Chronic Pain & Reward & Early Vs Chronic Pain & Reward & Mid-Early	17.096900	0.000000	True
Chronic Pain & Reward & Early Vs Chronic Pain & Reward & Mid-Late	21.510000	0.000000	True
Chronic Pain & Reward & Early Vs No Pain & Loss Avoid & Early	2.129900	1.000000	False
Chronic Pain & Reward & Early Vs No Pain & Loss Avoid & Late	23.705500	0.000000	True
Chronic Pain & Reward & Early Vs No Pain & Loss Avoid & Mid-Early	12.596800	0.000300	True
Chronic Pain & Reward & Early Vs No Pain & Loss Avoid & Mid-Late	16.244500	0.000000	True
Chronic Pain & Reward & Early Vs No Pain & Reward & Early	2.514200	1.000000	False
Chronic Pain & Reward & Early Vs No Pain & Reward & Late	22.040300	0.000000	True
Chronic Pain & Reward & Early Vs No Pain & Reward & Mid-Early	17.991800	0.000000	True
Chronic Pain & Reward & Early Vs No Pain & Reward & Mid-Late	20.146100	0.000000	True
Chronic Pain & Reward & Late Vs Chronic Pain & Reward & Mid-Early	-5.583000	0.944600	False
Chronic Pain & Reward & Late Vs Chronic Pain & Reward & Mid-Late	-1.169900	1.000000	False
Chronic Pain & Reward & Late Vs No Pain & Loss Avoid & Early	-20.550000	0.000000	True
Chronic Pain & Reward & Late Vs No Pain & Loss Avoid & Late	1.025500	1.000000	False
Chronic Pain & Reward & Late Vs No Pain & Loss Avoid & Mid-Early	-10.083200	0.021200	True
Chronic Pain & Reward & Late Vs No Pain & Loss Avoid & Mid-Late	-6.435500	0.689700	False
Chronic Pain & Reward & Late Vs No Pain & Reward & Early	-20.165800	0.000000	True
Chronic Pain & Reward & Late Vs No Pain & Reward & Late	-0.639700	1.000000	False
Chronic Pain & Reward & Late Vs No Pain & Reward & Mid-Early	-4.688100	0.982600	False
Chronic Pain & Reward & Late Vs No Pain & Reward & Mid-Late	-2.533900	1.000000	False
Chronic Pain & Reward & Mid-Early Vs Chronic Pain & Reward & Mid-Late	4.413100	0.996800	False
Chronic Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Early	-14.967000	0.000000	True
Chronic Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Late	6.608600	0.638000	False
Chronic Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Mid-Early	-4.500200	0.989500	False
Chronic Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Mid-Late	-0.852500	1.000000	False
Chronic Pain & Reward & Mid-Early Vs No Pain & Reward & Early	-14.582800	0.000000	True
Chronic Pain & Reward & Mid-Early Vs No Pain & Reward & Late	4.943300	0.967900	False
Chronic Pain & Reward & Mid-Early Vs No Pain & Reward & Mid-Early	0.894900	1.000000	False
Chronic Pain & Reward & Mid-Early Vs No Pain & Reward & Mid-Late	3.049200	1.000000	False

factor	Meandiff	P-Adj	Reject
<b>Chronic Pain &amp; Reward &amp; Mid-Late Vs No Pain &amp; Loss Avoid &amp; Early</b>	-19.380100	0.000000	True
<b>Chronic Pain &amp; Reward &amp; Mid-Late Vs No Pain &amp; Loss Avoid &amp; Late</b>	2.195500	1.000000	False
<b>Chronic Pain &amp; Reward &amp; Mid-Late Vs No Pain &amp; Loss Avoid &amp; Mid-Early</b>	-8.913300	0.095300	False
<b>Chronic Pain &amp; Reward &amp; Mid-Late Vs No Pain &amp; Loss Avoid &amp; Mid-Late</b>	-5.265600	0.937700	False
<b>Chronic Pain &amp; Reward &amp; Mid-Late Vs No Pain &amp; Reward &amp; Early</b>	-18.995900	0.000000	True
<b>Chronic Pain &amp; Reward &amp; Mid-Late Vs No Pain &amp; Reward &amp; Late</b>	0.530200	1.000000	False
<b>Chronic Pain &amp; Reward &amp; Mid-Late Vs No Pain &amp; Reward &amp; Mid-Early</b>	-3.518200	0.999700	False
<b>Chronic Pain &amp; Reward &amp; Mid-Late Vs No Pain &amp; Reward &amp; Mid-Late</b>	-1.364000	1.000000	False
<b>No Pain &amp; Loss Avoid &amp; Early Vs No Pain &amp; Loss Avoid &amp; Late</b>	21.575600	0.000000	True
<b>No Pain &amp; Loss Avoid &amp; Early Vs No Pain &amp; Loss Avoid &amp; Mid-Early</b>	10.466800	0.003000	True
<b>No Pain &amp; Loss Avoid &amp; Early Vs No Pain &amp; Loss Avoid &amp; Mid-Late</b>	14.114500	0.000000	True
<b>No Pain &amp; Loss Avoid &amp; Early Vs No Pain &amp; Reward &amp; Early</b>	0.384200	1.000000	False
<b>No Pain &amp; Loss Avoid &amp; Early Vs No Pain &amp; Reward &amp; Late</b>	19.910300	0.000000	True
<b>No Pain &amp; Loss Avoid &amp; Early Vs No Pain &amp; Reward &amp; Mid-Early</b>	15.861900	0.000000	True
<b>No Pain &amp; Loss Avoid &amp; Early Vs No Pain &amp; Reward &amp; Mid-Late</b>	18.016100	0.000000	True
<b>No Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Loss Avoid &amp; Mid-Early</b>	-11.108800	0.000900	True
<b>No Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Loss Avoid &amp; Mid-Late</b>	-7.461100	0.223200	False
<b>No Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Reward &amp; Early</b>	-21.191400	0.000000	True
<b>No Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Reward &amp; Late</b>	-1.665300	1.000000	False
<b>No Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Reward &amp; Mid-Early</b>	-5.713700	0.756000	False
<b>No Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Reward &amp; Mid-Late</b>	-3.559400	0.998700	False
<b>No Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Loss Avoid &amp; Mid-Late</b>	3.647700	0.998200	False
<b>No Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Reward &amp; Early</b>	-10.082600	0.005800	True
<b>No Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Reward &amp; Late</b>	9.443500	0.016800	True
<b>No Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Reward &amp; Mid-Early</b>	5.395100	0.839900	False
<b>No Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Reward &amp; Mid-Late</b>	7.549300	0.203900	False
<b>No Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Reward &amp; Early</b>	-13.730300	0.000000	True
<b>No Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Reward &amp; Late</b>	5.795800	0.731700	False
<b>No Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Reward &amp; Mid-Early</b>	1.747400	1.000000	False
<b>No Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Reward &amp; Mid-Late</b>	3.901600	0.995300	False

factor	Meandiff	P-Adj	Reject
No Pain & Reward & Early Vs No Pain & Reward & Late	19.526100	0.000000	True
No Pain & Reward & Early Vs No Pain & Reward & Mid-Early	15.477700	0.000000	True
No Pain & Reward & Early Vs No Pain & Reward & Mid-Late	17.631900	0.000000	True
No Pain & Reward & Late Vs No Pain & Reward & Mid-Early	-4.048400	0.992300	False
No Pain & Reward & Late Vs No Pain & Reward & Mid-Late	-1.894200	1.000000	False
No Pain & Reward & Mid-Early Vs No Pain & Reward & Mid-Late	2.154300	1.000000	False

## Learning Reaction Time: Group x Context

Table 14.

factor	Meandiff	P-Adj	Reject
<b>Acute Pain &amp; Loss Avoid Vs Acute Pain &amp; Reward</b>	-130.145900	0.461000	False
<b>Acute Pain &amp; Loss Avoid Vs Chronic Pain &amp; Loss Avoid</b>	126.447800	0.385000	False
<b>Acute Pain &amp; Loss Avoid Vs Chronic Pain &amp; Reward</b>	8.516100	1.000000	False
<b>Acute Pain &amp; Loss Avoid Vs No Pain &amp; Loss Avoid</b>	-41.804300	0.984700	False
<b>Acute Pain &amp; Loss Avoid Vs No Pain &amp; Reward</b>	-176.831700	0.051400	False
<b>Acute Pain &amp; Reward Vs Chronic Pain &amp; Loss Avoid</b>	256.593700	0.001400	True
<b>Acute Pain &amp; Reward Vs Chronic Pain &amp; Reward</b>	138.662000	0.280400	False
<b>Acute Pain &amp; Reward Vs No Pain &amp; Loss Avoid</b>	88.341600	0.712100	False
<b>Acute Pain &amp; Reward Vs No Pain &amp; Reward</b>	-46.685800	0.975000	False
<b>Chronic Pain &amp; Loss Avoid Vs Chronic Pain &amp; Reward</b>	-117.931700	0.332300	False
<b>Chronic Pain &amp; Loss Avoid Vs No Pain &amp; Loss Avoid</b>	-168.252100	0.025600	True
<b>Chronic Pain &amp; Loss Avoid Vs No Pain &amp; Reward</b>	-303.279500	0.000000	True
<b>Chronic Pain &amp; Reward Vs No Pain &amp; Loss Avoid</b>	-50.320400	0.940100	False
<b>Chronic Pain &amp; Reward Vs No Pain &amp; Reward</b>	-185.347800	0.009300	True
<b>No Pain &amp; Loss Avoid Vs No Pain &amp; Reward</b>	-135.027500	0.078700	False

## **Learning Reaction Time: Group x Trial**

**Table 15.**

factor	Meandiff	P-Adj	Reject
<b>Acute Pain &amp; Early Vs Acute Pain &amp; Late</b>	-445.237100	0.000000	True
<b>Acute Pain &amp; Early Vs Acute Pain &amp; Mid-Early</b>	-278.703300	0.020200	True
<b>Acute Pain &amp; Early Vs Acute Pain &amp; Mid-Late</b>	-409.028600	0.000000	True
<b>Acute Pain &amp; Early Vs Chronic Pain &amp; Early</b>	120.331200	0.874500	False
<b>Acute Pain &amp; Early Vs Chronic Pain &amp; Late</b>	-322.859200	0.000400	True
<b>Acute Pain &amp; Early Vs Chronic Pain &amp; Mid-Early</b>	-154.596300	0.574800	False
<b>Acute Pain &amp; Early Vs Chronic Pain &amp; Mid-Late</b>	-244.974400	0.030500	True
<b>Acute Pain &amp; Early Vs No Pain &amp; Early</b>	-52.529900	0.999800	False
<b>Acute Pain &amp; Early Vs No Pain &amp; Late</b>	-497.452800	0.000000	True
<b>Acute Pain &amp; Early Vs No Pain &amp; Mid-Early</b>	-342.271600	0.000000	True
<b>Acute Pain &amp; Early Vs No Pain &amp; Mid-Late</b>	-419.476500	0.000000	True
<b>Acute Pain &amp; Late Vs Acute Pain &amp; Mid-Early</b>	166.533800	0.605000	False
<b>Acute Pain &amp; Late Vs Acute Pain &amp; Mid-Late</b>	36.208500	1.000000	False
<b>Acute Pain &amp; Late Vs Chronic Pain &amp; Early</b>	565.568300	0.000000	True
<b>Acute Pain &amp; Late Vs Chronic Pain &amp; Late</b>	122.377900	0.861400	False
<b>Acute Pain &amp; Late Vs Chronic Pain &amp; Mid-Early</b>	290.640800	0.002900	True
<b>Acute Pain &amp; Late Vs Chronic Pain &amp; Mid-Late</b>	200.262600	0.179000	False
<b>Acute Pain &amp; Late Vs No Pain &amp; Early</b>	392.707100	0.000000	True
<b>Acute Pain &amp; Late Vs No Pain &amp; Late</b>	-52.215700	0.999800	False
<b>Acute Pain &amp; Late Vs No Pain &amp; Mid-Early</b>	102.965500	0.933900	False
<b>Acute Pain &amp; Late Vs No Pain &amp; Mid-Late</b>	25.760600	1.000000	False
<b>Acute Pain &amp; Mid-Early Vs Acute Pain &amp; Mid-Late</b>	-130.325300	0.884500	False
<b>Acute Pain &amp; Mid-Early Vs Chronic Pain &amp; Early</b>	399.034600	0.000000	True
<b>Acute Pain &amp; Mid-Early Vs Chronic Pain &amp; Late</b>	-44.155800	1.000000	False
<b>Acute Pain &amp; Mid-Early Vs Chronic Pain &amp; Mid-Early</b>	124.107000	0.849700	False
<b>Acute Pain &amp; Mid-Early Vs Chronic Pain &amp; Mid-Late</b>	33.728900	1.000000	False
<b>Acute Pain &amp; Mid-Early Vs No Pain &amp; Early</b>	226.173400	0.040100	True
<b>Acute Pain &amp; Mid-Early Vs No Pain &amp; Late</b>	-218.749500	0.056200	False
<b>Acute Pain &amp; Mid-Early Vs No Pain &amp; Mid-Early</b>	-63.568300	0.998700	False
<b>Acute Pain &amp; Mid-Early Vs No Pain &amp; Mid-Late</b>	-140.773200	0.634700	False

factor	Meandiff	P-Adj	Reject
<b>Acute Pain &amp; Mid-Late Vs Chronic Pain &amp; Early</b>	529.359900	0.000000	True
<b>Acute Pain &amp; Mid-Late Vs Chronic Pain &amp; Late</b>	86.169500	0.988400	False
<b>Acute Pain &amp; Mid-Late Vs Chronic Pain &amp; Mid-Early</b>	254.432300	0.019600	True
<b>Acute Pain &amp; Mid-Late Vs Chronic Pain &amp; Mid-Late</b>	164.054200	0.478200	False
<b>Acute Pain &amp; Mid-Late Vs No Pain &amp; Early</b>	356.498700	0.000000	True
<b>Acute Pain &amp; Mid-Late Vs No Pain &amp; Late</b>	-88.424200	0.978000	False
<b>Acute Pain &amp; Mid-Late Vs No Pain &amp; Mid-Early</b>	66.757000	0.997900	False
<b>Acute Pain &amp; Mid-Late Vs No Pain &amp; Mid-Late</b>	-10.447900	1.000000	False
<b>Chronic Pain &amp; Early Vs Chronic Pain &amp; Late</b>	-443.190400	0.000000	True
<b>Chronic Pain &amp; Early Vs Chronic Pain &amp; Mid-Early</b>	-274.927600	0.001000	True
<b>Chronic Pain &amp; Early Vs Chronic Pain &amp; Mid-Late</b>	-365.305700	0.000000	True
<b>Chronic Pain &amp; Early Vs No Pain &amp; Early</b>	-172.861200	0.136900	False
<b>Chronic Pain &amp; Early Vs No Pain &amp; Late</b>	-617.784100	0.000000	True
<b>Chronic Pain &amp; Early Vs No Pain &amp; Mid-Early</b>	-462.602800	0.000000	True
<b>Chronic Pain &amp; Early Vs No Pain &amp; Mid-Late</b>	-539.807700	0.000000	True
<b>Chronic Pain &amp; Late Vs Chronic Pain &amp; Mid-Early</b>	168.262800	0.255600	False
<b>Chronic Pain &amp; Late Vs Chronic Pain &amp; Mid-Late</b>	77.884700	0.987000	False
<b>Chronic Pain &amp; Late Vs No Pain &amp; Early</b>	270.329200	0.000400	True
<b>Chronic Pain &amp; Late Vs No Pain &amp; Late</b>	-174.593700	0.127100	False
<b>Chronic Pain &amp; Late Vs No Pain &amp; Mid-Early</b>	-19.412400	1.000000	False
<b>Chronic Pain &amp; Late Vs No Pain &amp; Mid-Late</b>	-96.617300	0.897900	False
<b>Chronic Pain &amp; Mid-Early Vs Chronic Pain &amp; Mid-Late</b>	-90.378100	0.959300	False
<b>Chronic Pain &amp; Mid-Early Vs No Pain &amp; Early</b>	102.066400	0.858100	False
<b>Chronic Pain &amp; Mid-Early Vs No Pain &amp; Late</b>	-342.856500	0.000000	True
<b>Chronic Pain &amp; Mid-Early Vs No Pain &amp; Mid-Early</b>	-187.675300	0.069500	False
<b>Chronic Pain &amp; Mid-Early Vs No Pain &amp; Mid-Late</b>	-264.880200	0.000500	True
<b>Chronic Pain &amp; Mid-Late Vs No Pain &amp; Early</b>	192.444500	0.054800	False
<b>Chronic Pain &amp; Mid-Late Vs No Pain &amp; Late</b>	-252.478400	0.001400	True
<b>Chronic Pain &amp; Mid-Late Vs No Pain &amp; Mid-Early</b>	-97.297200	0.893400	False
<b>Chronic Pain &amp; Mid-Late Vs No Pain &amp; Mid-Late</b>	-174.502000	0.127600	False

factor	Meandiff	P-Adj	Reject
<b>No Pain &amp; Early Vs No Pain &amp; Late</b>	-444.922900	0.000000	True
<b>No Pain &amp; Early Vs No Pain &amp; Mid-Early</b>	-289.741700	0.000000	True
<b>No Pain &amp; Early Vs No Pain &amp; Mid-Late</b>	-366.946500	0.000000	True
<b>No Pain &amp; Late Vs No Pain &amp; Mid-Early</b>	155.181200	0.165000	False
<b>No Pain &amp; Late Vs No Pain &amp; Mid-Late</b>	77.976300	0.958100	False
<b>No Pain &amp; Mid-Early Vs No Pain &amp; Mid-Late</b>	-77.204900	0.961000	False

## Learning Reaction Time: Context x Trial

Table 16.

factor	Meandiff	P-Adj	Reject
<b>Loss Avoid &amp; Early Vs Loss Avoid &amp; Late</b>	-471.320400	0.000000	True
<b>Loss Avoid &amp; Early Vs Loss Avoid &amp; Mid-Early</b>	-281.199100	0.000000	True
<b>Loss Avoid &amp; Early Vs Loss Avoid &amp; Mid-Late</b>	-387.467000	0.000000	True
<b>Loss Avoid &amp; Early Vs Reward &amp; Early</b>	-148.343100	0.005500	True
<b>Loss Avoid &amp; Early Vs Reward &amp; Late</b>	-564.853200	0.000000	True
<b>Loss Avoid &amp; Early Vs Reward &amp; Mid-Early</b>	-430.132400	0.000000	True
<b>Loss Avoid &amp; Early Vs Reward &amp; Mid-Late</b>	-511.257700	0.000000	True
<b>Loss Avoid &amp; Late Vs Loss Avoid &amp; Mid-Early</b>	190.121300	0.000100	True
<b>Loss Avoid &amp; Late Vs Loss Avoid &amp; Mid-Late</b>	83.853400	0.422000	False
<b>Loss Avoid &amp; Late Vs Reward &amp; Early</b>	322.977300	0.000000	True
<b>Loss Avoid &amp; Late Vs Reward &amp; Late</b>	-93.532800	0.277200	False
<b>Loss Avoid &amp; Late Vs Reward &amp; Mid-Early</b>	41.188000	0.970500	False
<b>Loss Avoid &amp; Late Vs Reward &amp; Mid-Late</b>	-39.937300	0.975200	False
<b>Loss Avoid &amp; Mid-Early Vs Loss Avoid &amp; Mid-Late</b>	-106.267900	0.139600	False
<b>Loss Avoid &amp; Mid-Early Vs Reward &amp; Early</b>	132.856000	0.021200	True
<b>Loss Avoid &amp; Mid-Early Vs Reward &amp; Late</b>	-283.654200	0.000000	True
<b>Loss Avoid &amp; Mid-Early Vs Reward &amp; Mid-Early</b>	-148.933300	0.005200	True
<b>Loss Avoid &amp; Mid-Early Vs Reward &amp; Mid-Late</b>	-230.058600	0.000000	True
<b>Loss Avoid &amp; Mid-Late Vs Reward &amp; Early</b>	239.123900	0.000000	True
<b>Loss Avoid &amp; Mid-Late Vs Reward &amp; Late</b>	-177.386200	0.000300	True
<b>Loss Avoid &amp; Mid-Late Vs Reward &amp; Mid-Early</b>	-42.665400	0.964200	False
<b>Loss Avoid &amp; Mid-Late Vs Reward &amp; Mid-Late</b>	-123.790700	0.043100	True
<b>Reward &amp; Early Vs Reward &amp; Late</b>	-416.510200	0.000000	True
<b>Reward &amp; Early Vs Reward &amp; Mid-Early</b>	-281.789300	0.000000	True
<b>Reward &amp; Early Vs Reward &amp; Mid-Late</b>	-362.914600	0.000000	True
<b>Reward &amp; Late Vs Reward &amp; Mid-Early</b>	134.720800	0.018200	True
<b>Reward &amp; Late Vs Reward &amp; Mid-Late</b>	53.595500	0.885300	False
<b>Reward &amp; Mid-Early Vs Reward &amp; Mid-Late</b>	-81.125300	0.467300	False

## Learning Reaction Time: Group x Context x Trial

Table 17.

factor	Meandiff	P-Adj	Reject
Acute Pain & Loss Avoid & Early Vs Acute Pain & Loss Avoid & Late	-477.330400	0.000000	True
Acute Pain & Loss Avoid & Early Vs Acute Pain & Loss Avoid & Mid-Early	-277.028200	0.153800	False
Acute Pain & Loss Avoid & Early Vs Acute Pain & Loss Avoid & Mid-Late	-438.340300	0.000100	True
Acute Pain & Loss Avoid & Early Vs Acute Pain & Reward & Early	-161.293500	0.968600	False
Acute Pain & Loss Avoid & Early Vs Acute Pain & Reward & Late	-573.901100	0.000000	True
Acute Pain & Loss Avoid & Early Vs Acute Pain & Reward & Mid-Early	-438.400800	0.000100	True
Acute Pain & Loss Avoid & Early Vs Acute Pain & Reward & Mid-Late	-541.595000	0.000000	True
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Early	94.190900	1.000000	False
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Late	-338.204300	0.002900	True
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Mid-Early	-170.873600	0.863200	False
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Mid-Late	-271.840700	0.073600	False
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Early	-16.035900	1.000000	False
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Late	-468.699300	0.000000	True
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Mid-Early	-297.893700	0.023500	True
Acute Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Mid-Late	-379.862000	0.000200	True
Acute Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Early	-48.457000	1.000000	False
Acute Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Late	-545.595800	0.000000	True
Acute Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Mid-Early	-343.595500	0.000700	True
Acute Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Mid-Late	-427.026700	0.000000	True
Acute Pain & Loss Avoid & Early Vs No Pain & Reward & Early	-218.648300	0.299900	False
Acute Pain & Loss Avoid & Early Vs No Pain & Reward & Late	-610.362500	0.000000	True
Acute Pain & Loss Avoid & Early Vs No Pain & Reward & Mid-Early	-502.662500	0.000000	True
Acute Pain & Loss Avoid & Early Vs No Pain & Reward & Mid-Late	-572.440300	0.000000	True
Acute Pain & Loss Avoid & Late Vs Acute Pain & Loss Avoid & Mid-Early	200.302100	0.774800	False
Acute Pain & Loss Avoid & Late Vs Acute Pain & Loss Avoid & Mid-Late	38.990100	1.000000	False
Acute Pain & Loss Avoid & Late Vs Acute Pain & Reward & Early	316.036900	0.037400	True
Acute Pain & Loss Avoid & Late Vs Acute Pain & Reward & Late	-96.570700	1.000000	False
Acute Pain & Loss Avoid & Late Vs Acute Pain & Reward & Mid-Early	38.929500	1.000000	False
Acute Pain & Loss Avoid & Late Vs Acute Pain & Reward & Mid-Late	-64.264700	1.000000	False
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Early	571.521300	0.000000	True

factor	Meandiff	P-Adj	Reject
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Late	139.126100	0.983200	False
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Mid-Early	306.456800	0.015600	True
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Mid-Late	205.489700	0.546800	False
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Early	461.294500	0.000000	True
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Late	8.631100	1.000000	False
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Mid-Early	179.436700	0.799700	False
Acute Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Mid-Late	97.468400	0.999900	False
Acute Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Early	428.873300	0.000000	True
Acute Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Late	-68.265400	1.000000	False
Acute Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Mid-Early	133.734900	0.979900	False
Acute Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Mid-Late	50.303700	1.000000	False
Acute Pain & Loss Avoid & Late Vs No Pain & Reward & Early	258.682100	0.069500	False
Acute Pain & Loss Avoid & Late Vs No Pain & Reward & Late	-133.032100	0.981100	False
Acute Pain & Loss Avoid & Late Vs No Pain & Reward & Mid-Early	-25.332100	1.000000	False
Acute Pain & Loss Avoid & Late Vs No Pain & Reward & Mid-Late	-95.109900	0.999900	False
Acute Pain & Loss Avoid & Mid-Early Vs Acute Pain & Loss Avoid & Mid-Late	-161.312100	0.968500	False
Acute Pain & Loss Avoid & Mid-Early Vs Acute Pain & Reward & Early	115.734700	0.999700	False
Acute Pain & Loss Avoid & Mid-Early Vs Acute Pain & Reward & Late	-296.872900	0.078300	False
Acute Pain & Loss Avoid & Mid-Early Vs Acute Pain & Reward & Mid-Early	-161.372600	0.968400	False
Acute Pain & Loss Avoid & Mid-Early Vs Acute Pain & Reward & Mid-Late	-264.566800	0.223500	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Loss Avoid & Early	371.219200	0.000400	True
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Loss Avoid & Late	-61.176100	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Loss Avoid & Mid-Early	106.154700	0.999600	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Loss Avoid & Mid-Late	5.187500	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Reward & Early	260.992300	0.112200	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Reward & Late	-191.671100	0.688600	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Reward & Mid-Early	-20.865500	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Reward & Mid-Late	-102.833700	0.999800	False
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Early	228.571200	0.219700	False
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Late	-268.567600	0.044800	True

factor	Meandiff	P-Adj	Reject
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Mid-Early	-66.567200	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Mid-Late	-149.998500	0.930700	False
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Early	58.379900	1.000000	False
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Late	-333.334200	0.001300	True
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Mid-Early	-225.634200	0.241800	False
Acute Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Mid-Late	-295.412000	0.011800	True
Acute Pain & Loss Avoid & Mid-Late Vs Acute Pain & Reward & Early	277.046800	0.153700	False
Acute Pain & Loss Avoid & Mid-Late Vs Acute Pain & Reward & Late	-135.560800	0.996500	False
Acute Pain & Loss Avoid & Mid-Late Vs Acute Pain & Reward & Mid-Early	-0.060500	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs Acute Pain & Reward & Mid-Late	-103.254700	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Loss Avoid & Early	532.531200	0.000000	True
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Loss Avoid & Late	100.136000	0.999900	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Loss Avoid & Mid-Early	267.466700	0.087600	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Loss Avoid & Mid-Late	166.499600	0.890400	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Reward & Early	422.304400	0.000000	True
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Reward & Late	-30.359000	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Reward & Mid-Early	140.446600	0.981200	False
Acute Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Reward & Mid-Late	58.478400	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Loss Avoid & Early	389.883300	0.000000	True
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Loss Avoid & Late	-107.255500	0.999000	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Loss Avoid & Mid-Early	94.744800	0.999900	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Loss Avoid & Mid-Late	11.313600	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Early	219.692000	0.290700	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Late	-172.022100	0.780600	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Mid-Early	-64.322200	1.000000	False
Acute Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Mid-Late	-134.100000	0.979200	False
Acute Pain & Reward & Early Vs Acute Pain & Reward & Late	-412.607600	0.000300	True
Acute Pain & Reward & Early Vs Acute Pain & Reward & Mid-Early	-277.107300	0.153400	False
Acute Pain & Reward & Early Vs Acute Pain & Reward & Mid-Late	-380.301500	0.001900	True
Acute Pain & Reward & Early Vs Chronic Pain & Loss Avoid & Early	255.484500	0.137200	False

factor	Meandiff	P-Adj	Reject
Acute Pain & Reward & Early Vs Chronic Pain & Loss Avoid & Late	-176.910800	0.819800	False
Acute Pain & Reward & Early Vs Chronic Pain & Loss Avoid & Mid-Early	-9.580000	1.000000	False
Acute Pain & Reward & Early Vs Chronic Pain & Loss Avoid & Mid-Late	-110.547200	0.999300	False
Acute Pain & Reward & Early Vs Chronic Pain & Reward & Early	145.257600	0.972200	False
Acute Pain & Reward & Early Vs Chronic Pain & Reward & Late	-307.405800	0.014900	True
Acute Pain & Reward & Early Vs Chronic Pain & Reward & Mid-Early	-136.600200	0.986600	False
Acute Pain & Reward & Early Vs Chronic Pain & Reward & Mid-Late	-218.568400	0.413200	False
Acute Pain & Reward & Early Vs No Pain & Loss Avoid & Early	112.836500	0.997900	False
Acute Pain & Reward & Early Vs No Pain & Loss Avoid & Late	-384.302300	0.000000	True
Acute Pain & Reward & Early Vs No Pain & Loss Avoid & Mid-Early	-182.302000	0.679600	False
Acute Pain & Reward & Early Vs No Pain & Loss Avoid & Mid-Late	-265.733200	0.050900	False
Acute Pain & Reward & Early Vs No Pain & Reward & Early	-57.354800	1.000000	False
Acute Pain & Reward & Early Vs No Pain & Reward & Late	-449.068900	0.000000	True
Acute Pain & Reward & Early Vs No Pain & Reward & Mid-Early	-341.369000	0.000800	True
Acute Pain & Reward & Early Vs No Pain & Reward & Mid-Late	-411.146800	0.000000	True
Acute Pain & Reward & Late Vs Acute Pain & Reward & Mid-Early	135.500300	0.996500	False
Acute Pain & Reward & Late Vs Acute Pain & Reward & Mid-Late	32.306100	1.000000	False
Acute Pain & Reward & Late Vs Chronic Pain & Loss Avoid & Early	668.092100	0.000000	True
Acute Pain & Reward & Late Vs Chronic Pain & Loss Avoid & Late	235.696800	0.261800	False
Acute Pain & Reward & Late Vs Chronic Pain & Loss Avoid & Mid-Early	403.027600	0.000100	True
Acute Pain & Reward & Late Vs Chronic Pain & Loss Avoid & Mid-Late	302.060400	0.019300	True
Acute Pain & Reward & Late Vs Chronic Pain & Reward & Early	557.865200	0.000000	True
Acute Pain & Reward & Late Vs Chronic Pain & Reward & Late	105.201800	0.999700	False
Acute Pain & Reward & Late Vs Chronic Pain & Reward & Mid-Early	276.007400	0.062100	False
Acute Pain & Reward & Late Vs Chronic Pain & Reward & Mid-Late	194.039200	0.665000	False
Acute Pain & Reward & Late Vs No Pain & Loss Avoid & Early	525.444100	0.000000	True
Acute Pain & Reward & Late Vs No Pain & Loss Avoid & Late	28.305300	1.000000	False
Acute Pain & Reward & Late Vs No Pain & Loss Avoid & Mid-Early	230.305600	0.207300	False
Acute Pain & Reward & Late Vs No Pain & Loss Avoid & Mid-Late	146.874400	0.943700	False
Acute Pain & Reward & Late Vs No Pain & Reward & Early	355.252800	0.000300	True

factor	Meandiff	P-Adj	Reject
Acute Pain & Reward & Late Vs No Pain & Reward & Late	-36.461300	1.000000	False
Acute Pain & Reward & Late Vs No Pain & Reward & Mid-Early	71.238600	1.000000	False
Acute Pain & Reward & Late Vs No Pain & Reward & Mid-Late	1.460800	1.000000	False
Acute Pain & Reward & Mid-Early Vs Acute Pain & Reward & Mid-Late	-103.194200	1.000000	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Loss Avoid & Early	532.591800	0.000000	True
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Loss Avoid & Late	100.196500	0.999900	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Loss Avoid & Mid-Early	267.527300	0.087400	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Loss Avoid & Mid-Late	166.560100	0.890000	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Reward & Early	422.364900	0.000000	True
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Reward & Late	-30.298500	1.000000	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Reward & Mid-Early	140.507100	0.981100	False
Acute Pain & Reward & Mid-Early Vs Chronic Pain & Reward & Mid-Late	58.538900	1.000000	False
Acute Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Early	389.943800	0.000000	True
Acute Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Late	-107.195000	0.999000	False
Acute Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Mid-Early	94.805300	0.999900	False
Acute Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Mid-Late	11.374100	1.000000	False
Acute Pain & Reward & Mid-Early Vs No Pain & Reward & Early	219.752500	0.290200	False
Acute Pain & Reward & Mid-Early Vs No Pain & Reward & Late	-171.961600	0.781100	False
Acute Pain & Reward & Mid-Early Vs No Pain & Reward & Mid-Early	-64.261600	1.000000	False
Acute Pain & Reward & Mid-Early Vs No Pain & Reward & Mid-Late	-134.039400	0.979300	False
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Loss Avoid & Early	635.786000	0.000000	True
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Loss Avoid & Late	203.390700	0.568700	False
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Loss Avoid & Mid-Early	370.721500	0.000400	True
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Loss Avoid & Mid-Late	269.754300	0.080100	False
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Reward & Early	525.559100	0.000000	True
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Reward & Late	72.895700	1.000000	False
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Reward & Mid-Early	243.701300	0.204600	False
Acute Pain & Reward & Mid-Late Vs Chronic Pain & Reward & Mid-Late	161.733100	0.915700	False
Acute Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Early	493.138000	0.000000	True
Acute Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Late	-4.000800	1.000000	False

factor	Meandiff	P-Adj	Reject
Acute Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Mid-Early	197.999600	0.508500	False
Acute Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Mid-Late	114.568300	0.997300	False
Acute Pain & Reward & Mid-Late Vs No Pain & Reward & Early	322.946700	0.002500	True
Acute Pain & Reward & Mid-Late Vs No Pain & Reward & Late	-68.767400	1.000000	False
Acute Pain & Reward & Mid-Late Vs No Pain & Reward & Mid-Early	38.932600	1.000000	False
Acute Pain & Reward & Mid-Late Vs No Pain & Reward & Mid-Late	-30.845200	1.000000	False
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Late	-432.395300	0.000000	True
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Mid-Early	-265.064500	0.024000	True
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Loss Avoid & Mid-Late	-366.031600	0.000000	True
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Early	-110.226900	0.996400	False
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Late	-562.890300	0.000000	True
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Mid-Early	-392.084600	0.000000	True
Chronic Pain & Loss Avoid & Early Vs Chronic Pain & Reward & Mid-Late	-474.052900	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Early	-142.648000	0.857500	False
Chronic Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Late	-639.786800	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Mid-Early	-437.786400	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Mid-Late	-521.217600	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Reward & Early	-312.839200	0.000300	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Reward & Late	-704.553400	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Reward & Mid-Early	-596.853400	0.000000	True
Chronic Pain & Loss Avoid & Early Vs No Pain & Reward & Mid-Late	-666.631200	0.000000	True
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Mid-Early	167.330800	0.725800	False
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Loss Avoid & Mid-Late	66.363600	1.000000	False
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Early	322.168400	0.000800	True
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Late	-130.495000	0.969500	False
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Mid-Early	40.310600	1.000000	False
Chronic Pain & Loss Avoid & Late Vs Chronic Pain & Reward & Mid-Late	-41.657600	1.000000	False
Chronic Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Early	289.747300	0.001600	True
Chronic Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Late	-207.391500	0.168000	False
Chronic Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Mid-Early	-5.391200	1.000000	False

factor	Meandiff	P-Adj	Reject
<b>Chronic Pain &amp; Loss Avoid &amp; Late Vs No Pain &amp; Loss Avoid &amp; Mid-Late</b>	-88.822400	0.999600	False
Chronic Pain & Loss Avoid & Late Vs No Pain & Reward & Early	119.556000	0.975000	False
Chronic Pain & Loss Avoid & Late Vs No Pain & Reward & Late	-272.158100	0.005200	True
Chronic Pain & Loss Avoid & Late Vs No Pain & Reward & Mid-Early	-164.458200	0.624900	False
Chronic Pain & Loss Avoid & Late Vs No Pain & Reward & Mid-Late	-234.236000	0.048200	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs Chronic Pain &amp; Loss Avoid &amp; Mid-Late</b>	-100.967100	0.999000	False
Chronic Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Reward & Early	154.837600	0.843200	False
Chronic Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Reward & Late	-297.825700	0.003700	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs Chronic Pain &amp; Reward &amp; Mid-Early</b>	-127.020100	0.977600	False
Chronic Pain & Loss Avoid & Mid-Early Vs Chronic Pain & Reward & Mid-Late	-208.988400	0.270700	False
Chronic Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Early	122.416500	0.967400	False
Chronic Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Late	-374.722300	0.000000	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Loss Avoid &amp; Mid-Early</b>	-172.721900	0.521300	False
Chronic Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Mid-Late	-256.153100	0.014200	True
Chronic Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Early	-47.774700	1.000000	False
Chronic Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Late	-439.488900	0.000000	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Early Vs No Pain &amp; Reward &amp; Mid-Early</b>	-331.788900	0.000100	True
Chronic Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Mid-Late	-401.566700	0.000000	True
Chronic Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Reward & Early	255.804800	0.038600	True
Chronic Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Reward & Late	-196.858600	0.390200	False
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs Chronic Pain &amp; Reward &amp; Mid-Early</b>	-26.053000	1.000000	False
Chronic Pain & Loss Avoid & Mid-Late Vs Chronic Pain & Reward & Mid-Late	-108.021300	0.997300	False
Chronic Pain & Loss Avoid & Mid-Late Vs No Pain & Loss Avoid & Early	223.383700	0.082800	False
Chronic Pain & Loss Avoid & Mid-Late Vs No Pain & Loss Avoid & Late	-273.755100	0.004700	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Loss Avoid &amp; Mid-Early</b>	-71.754800	1.000000	False
Chronic Pain & Loss Avoid & Mid-Late Vs No Pain & Loss Avoid & Mid-Late	-155.186000	0.735000	False
Chronic Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Early	53.192400	1.000000	False
Chronic Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Late	-338.521800	0.000000	True
<b>Chronic Pain &amp; Loss Avoid &amp; Mid-Late Vs No Pain &amp; Reward &amp; Mid-Early</b>	-230.821800	0.057400	False
Chronic Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Mid-Late	-300.599600	0.000700	True

factor	Meandiff	P-Adj	Reject
Chronic Pain & Reward & Early Vs Chronic Pain & Reward & Late	-452.663400	0.000000	True
Chronic Pain & Reward & Early Vs Chronic Pain & Reward & Mid-Early	-281.857800	0.009500	True
Chronic Pain & Reward & Early Vs Chronic Pain & Reward & Mid-Late	-363.826000	0.000000	True
Chronic Pain & Reward & Early Vs No Pain & Loss Avoid & Early	-32.421100	1.000000	False
Chronic Pain & Reward & Early Vs No Pain & Loss Avoid & Late	-529.559900	0.000000	True
Chronic Pain & Reward & Early Vs No Pain & Loss Avoid & Mid-Early	-327.559600	0.000100	True
Chronic Pain & Reward & Early Vs No Pain & Loss Avoid & Mid-Late	-410.990800	0.000000	True
Chronic Pain & Reward & Early Vs No Pain & Reward & Early	-202.612400	0.203200	False
Chronic Pain & Reward & Early Vs No Pain & Reward & Late	-594.326500	0.000000	True
Chronic Pain & Reward & Early Vs No Pain & Reward & Mid-Early	-486.626600	0.000000	True
Chronic Pain & Reward & Early Vs No Pain & Reward & Mid-Late	-556.404400	0.000000	True
Chronic Pain & Reward & Late Vs Chronic Pain & Reward & Mid-Early	170.805600	0.688300	False
Chronic Pain & Reward & Late Vs Chronic Pain & Reward & Mid-Late	88.837400	0.999900	False
Chronic Pain & Reward & Late Vs No Pain & Loss Avoid & Early	420.242300	0.000000	True
Chronic Pain & Reward & Late Vs No Pain & Loss Avoid & Late	-76.896500	1.000000	False
Chronic Pain & Reward & Late Vs No Pain & Loss Avoid & Mid-Early	125.103800	0.958700	False
Chronic Pain & Reward & Late Vs No Pain & Loss Avoid & Mid-Late	41.672600	1.000000	False
Chronic Pain & Reward & Late Vs No Pain & Reward & Early	250.051000	0.020300	True
Chronic Pain & Reward & Late Vs No Pain & Reward & Late	-141.663100	0.865400	False
Chronic Pain & Reward & Late Vs No Pain & Reward & Mid-Early	-33.963200	1.000000	False
Chronic Pain & Reward & Late Vs No Pain & Reward & Mid-Late	-103.741000	0.995900	False
Chronic Pain & Reward & Mid-Early Vs Chronic Pain & Reward & Mid-Late	-81.968300	1.000000	False
Chronic Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Early	249.436700	0.021000	True
Chronic Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Late	-247.702100	0.023200	True
Chronic Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Mid-Early	-45.701800	1.000000	False
Chronic Pain & Reward & Mid-Early Vs No Pain & Loss Avoid & Mid-Late	-129.133000	0.942600	False
Chronic Pain & Reward & Mid-Early Vs No Pain & Reward & Early	79.245400	0.999900	False
Chronic Pain & Reward & Mid-Early Vs No Pain & Reward & Late	-312.468800	0.000300	True
Chronic Pain & Reward & Mid-Early Vs No Pain & Reward & Mid-Early	-204.768800	0.186700	False
Chronic Pain & Reward & Mid-Early Vs No Pain & Reward & Mid-Late	-274.546600	0.004500	True

factor	Meandiff	P-Adj	Reject
Chronic Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Early	331.404900	0.000100	True
Chronic Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Late	-165.733900	0.609100	False
Chronic Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Mid-Early	36.266500	1.000000	False
Chronic Pain & Reward & Mid-Late Vs No Pain & Loss Avoid & Mid-Late	-47.164700	1.000000	False
Chronic Pain & Reward & Mid-Late Vs No Pain & Reward & Early	161.213600	0.664700	False
Chronic Pain & Reward & Mid-Late Vs No Pain & Reward & Late	-230.500500	0.058400	False
Chronic Pain & Reward & Mid-Late Vs No Pain & Reward & Mid-Early	-122.800500	0.966200	False
Chronic Pain & Reward & Mid-Late Vs No Pain & Reward & Mid-Late	-192.578300	0.292700	False
No Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Late	-497.138800	0.000000	True
No Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Mid-Early	-295.138500	0.000200	True
No Pain & Loss Avoid & Early Vs No Pain & Loss Avoid & Mid-Late	-378.569700	0.000000	True
No Pain & Loss Avoid & Early Vs No Pain & Reward & Early	-170.191300	0.377300	False
No Pain & Loss Avoid & Early Vs No Pain & Reward & Late	-561.905400	0.000000	True
No Pain & Loss Avoid & Early Vs No Pain & Reward & Mid-Early	-454.205400	0.000000	True
No Pain & Loss Avoid & Early Vs No Pain & Reward & Mid-Late	-523.983200	0.000000	True
No Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Mid-Early	202.000300	0.100800	False
No Pain & Loss Avoid & Late Vs No Pain & Loss Avoid & Mid-Late	118.569100	0.944800	False
No Pain & Loss Avoid & Late Vs No Pain & Reward & Early	326.947500	0.000000	True
No Pain & Loss Avoid & Late Vs No Pain & Reward & Late	-64.766600	1.000000	False
No Pain & Loss Avoid & Late Vs No Pain & Reward & Mid-Early	42.933300	1.000000	False
No Pain & Loss Avoid & Late Vs No Pain & Reward & Mid-Late	-26.844500	1.000000	False
No Pain & Loss Avoid & Mid-Early Vs No Pain & Loss Avoid & Mid-Late	-83.431200	0.999400	False
No Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Early	124.947200	0.908400	False
No Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Late	-266.767000	0.001600	True
No Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Mid-Early	-159.067000	0.523000	False
No Pain & Loss Avoid & Mid-Early Vs No Pain & Reward & Mid-Late	-228.844800	0.022400	True
No Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Early	208.378400	0.072600	False
No Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Late	-183.335800	0.233700	False
No Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Mid-Early	-75.635800	0.999900	False
No Pain & Loss Avoid & Mid-Late Vs No Pain & Reward & Mid-Late	-145.413600	0.705500	False

factor	Meandiff	P-Adj	Reject
<b>No Pain &amp; Reward &amp; Early Vs No Pain &amp; Reward &amp; Late</b>	-391.714100	0.000000	True
<b>No Pain &amp; Reward &amp; Early Vs No Pain &amp; Reward &amp; Mid-Early</b>	-284.014200	0.000400	True
<b>No Pain &amp; Reward &amp; Early Vs No Pain &amp; Reward &amp; Mid-Late</b>	-353.792000	0.000000	True
<b>No Pain &amp; Reward &amp; Late Vs No Pain &amp; Reward &amp; Mid-Early</b>	107.700000	0.980900	False
<b>No Pain &amp; Reward &amp; Late Vs No Pain &amp; Reward &amp; Mid-Late</b>	37.922200	1.000000	False
<b>No Pain &amp; Reward &amp; Mid-Early Vs No Pain &amp; Reward &amp; Mid-Late</b>	-69.777800	1.000000	False

## **Transfer Accuracy**

**Table 18.**

factor	Meandiff	P-Adj	Reject
Acute Pain & High Punish Vs Acute Pain & High Reward	72.937100	0.000000	True
Acute Pain & High Punish Vs Acute Pain & Low Punish	34.265100	0.000000	True
Acute Pain & High Punish Vs Acute Pain & Low Reward	39.252400	0.000000	True
Acute Pain & High Punish Vs Chronic Pain & High Punish	-0.265200	1.000000	False
Acute Pain & High Punish Vs Chronic Pain & High Reward	72.000400	0.000000	True
Acute Pain & High Punish Vs Chronic Pain & Low Punish	36.681600	0.000000	True
Acute Pain & High Punish Vs Chronic Pain & Low Reward	38.076400	0.000000	True
Acute Pain & High Punish Vs No Pain & High Punish	-3.360700	0.959200	False
Acute Pain & High Punish Vs No Pain & High Reward	74.696000	0.000000	True
Acute Pain & High Punish Vs No Pain & Low Punish	31.340100	0.000000	True
Acute Pain & High Punish Vs No Pain & Low Reward	43.849900	0.000000	True
Acute Pain & High Reward Vs Acute Pain & Low Punish	-38.672000	0.000000	True
Acute Pain & High Reward Vs Acute Pain & Low Reward	-33.684700	0.000000	True
Acute Pain & High Reward Vs Chronic Pain & High Punish	-73.202200	0.000000	True
Acute Pain & High Reward Vs Chronic Pain & High Reward	-0.936700	1.000000	False
Acute Pain & High Reward Vs Chronic Pain & Low Punish	-36.255400	0.000000	True
Acute Pain & High Reward Vs Chronic Pain & Low Reward	-34.860700	0.000000	True
Acute Pain & High Reward Vs No Pain & High Punish	-76.297700	0.000000	True
Acute Pain & High Reward Vs No Pain & High Reward	1.758900	0.999900	False
Acute Pain & High Reward Vs No Pain & Low Punish	-41.597000	0.000000	True
Acute Pain & High Reward Vs No Pain & Low Reward	-29.087100	0.000000	True
Acute Pain & Low Punish Vs Acute Pain & Low Reward	4.987300	0.807500	False
Acute Pain & Low Punish Vs Chronic Pain & High Punish	-34.530300	0.000000	True
Acute Pain & Low Punish Vs Chronic Pain & High Reward	37.735300	0.000000	True
Acute Pain & Low Punish Vs Chronic Pain & Low Punish	2.416500	0.998300	False
Acute Pain & Low Punish Vs Chronic Pain & Low Reward	3.811300	0.933100	False
Acute Pain & Low Punish Vs No Pain & High Punish	-37.625800	0.000000	True
Acute Pain & Low Punish Vs No Pain & High Reward	40.430900	0.000000	True
Acute Pain & Low Punish Vs No Pain & Low Punish	-2.925000	0.985800	False
Acute Pain & Low Punish Vs No Pain & Low Reward	9.584800	0.003100	True

factor	Meandiff	P-Adj	Reject
Acute Pain & Low Reward Vs Chronic Pain & High Punish	-39.517500	0.000000	True
Acute Pain & Low Reward Vs Chronic Pain & High Reward	32.748000	0.000000	True
Acute Pain & Low Reward Vs Chronic Pain & Low Punish	-2.570700	0.997000	False
Acute Pain & Low Reward Vs Chronic Pain & Low Reward	-1.176000	1.000000	False
Acute Pain & Low Reward Vs No Pain & High Punish	-42.613100	0.000000	True
Acute Pain & Low Reward Vs No Pain & High Reward	35.443600	0.000000	True
Acute Pain & Low Reward Vs No Pain & Low Punish	-7.912300	0.040100	True
Acute Pain & Low Reward Vs No Pain & Low Reward	4.597600	0.730200	False
Chronic Pain & High Punish Vs Chronic Pain & High Reward	72.265500	0.000000	True
Chronic Pain & High Punish Vs Chronic Pain & Low Punish	36.946800	0.000000	True
Chronic Pain & High Punish Vs Chronic Pain & Low Reward	38.341500	0.000000	True
Chronic Pain & High Punish Vs No Pain & High Punish	-3.095500	0.942600	False
Chronic Pain & High Punish Vs No Pain & High Reward	74.961100	0.000000	True
Chronic Pain & High Punish Vs No Pain & Low Punish	31.605200	0.000000	True
Chronic Pain & High Punish Vs No Pain & Low Reward	44.115100	0.000000	True
Chronic Pain & High Reward Vs Chronic Pain & Low Punish	-35.318700	0.000000	True
Chronic Pain & High Reward Vs Chronic Pain & Low Reward	-33.924000	0.000000	True
Chronic Pain & High Reward Vs No Pain & High Punish	-75.361100	0.000000	True
Chronic Pain & High Reward Vs No Pain & High Reward	2.695600	0.979100	False
Chronic Pain & High Reward Vs No Pain & Low Punish	-40.660300	0.000000	True
Chronic Pain & High Reward Vs No Pain & Low Reward	-28.150400	0.000000	True
Chronic Pain & Low Punish Vs Chronic Pain & Low Reward	1.394700	1.000000	False
Chronic Pain & Low Punish Vs No Pain & High Punish	-40.042300	0.000000	True
Chronic Pain & Low Punish Vs No Pain & High Reward	38.014300	0.000000	True
Chronic Pain & Low Punish Vs No Pain & Low Punish	-5.341600	0.295100	False
Chronic Pain & Low Punish Vs No Pain & Low Reward	7.168300	0.028200	True
Chronic Pain & Low Reward Vs No Pain & High Punish	-41.437100	0.000000	True
Chronic Pain & Low Reward Vs No Pain & High Reward	36.619600	0.000000	True
Chronic Pain & Low Reward Vs No Pain & Low Punish	-6.736300	0.054500	False
Chronic Pain & Low Reward Vs No Pain & Low Reward	5.773500	0.188500	False

factor	Meandiff	P-Adj	Reject
<b>No Pain &amp; High Punish Vs No Pain &amp; High Reward</b>	78.056600	0.000000	True
<b>No Pain &amp; High Punish Vs No Pain &amp; Low Punish</b>	34.700700	0.000000	True
<b>No Pain &amp; High Punish Vs No Pain &amp; Low Reward</b>	47.210600	0.000000	True
<b>No Pain &amp; High Reward Vs No Pain &amp; Low Punish</b>	-43.355900	0.000000	True
<b>No Pain &amp; High Reward Vs No Pain &amp; Low Reward</b>	-30.846000	0.000000	True
<b>No Pain &amp; Low Punish Vs No Pain &amp; Low Reward</b>	12.509900	0.000000	True

## **Transfer Reaction Time**

**Table 19.**

factor	Meandiff	P-Adj	Reject
Acute Pain & High Punish Vs Acute Pain & High Reward	-219.030800	0.166400	False
Acute Pain & High Punish Vs Acute Pain & Low Punish	-55.294300	0.999900	False
Acute Pain & High Punish Vs Acute Pain & Low Reward	-64.821100	0.999500	False
Acute Pain & High Punish Vs Chronic Pain & High Punish	110.172800	0.932200	False
Acute Pain & High Punish Vs Chronic Pain & High Reward	-176.746000	0.337100	False
Acute Pain & High Punish Vs Chronic Pain & Low Punish	-13.386000	1.000000	False
Acute Pain & High Punish Vs Chronic Pain & Low Reward	29.313100	1.000000	False
Acute Pain & High Punish Vs No Pain & High Punish	75.232900	0.994200	False
Acute Pain & High Punish Vs No Pain & High Reward	-269.041800	0.003600	True
Acute Pain & High Punish Vs No Pain & Low Punish	-10.201300	1.000000	False
Acute Pain & High Punish Vs No Pain & Low Reward	-87.108100	0.978800	False
Acute Pain & High Reward Vs Acute Pain & Low Punish	163.736500	0.584600	False
Acute Pain & High Reward Vs Acute Pain & Low Reward	154.209800	0.674400	False
Acute Pain & High Reward Vs Chronic Pain & High Punish	329.203600	0.000200	True
Acute Pain & High Reward Vs Chronic Pain & High Reward	42.284900	1.000000	False
Acute Pain & High Reward Vs Chronic Pain & Low Punish	205.644900	0.119300	False
Acute Pain & High Reward Vs Chronic Pain & Low Reward	248.343900	0.018200	True
Acute Pain & High Reward Vs No Pain & High Punish	294.263800	0.000600	True
Acute Pain & High Reward Vs No Pain & High Reward	-50.011000	0.999800	False
Acute Pain & High Reward Vs No Pain & Low Punish	208.829500	0.065600	False
Acute Pain & High Reward Vs No Pain & Low Reward	131.922700	0.685000	False
Acute Pain & Low Punish Vs Acute Pain & Low Reward	-9.526800	1.000000	False
Acute Pain & Low Punish Vs Chronic Pain & High Punish	165.467100	0.450500	False
Acute Pain & Low Punish Vs Chronic Pain & High Reward	-121.451600	0.842300	False
Acute Pain & Low Punish Vs Chronic Pain & Low Punish	41.908300	1.000000	False
Acute Pain & Low Punish Vs Chronic Pain & Low Reward	84.607400	0.987200	False
Acute Pain & Low Punish Vs No Pain & High Punish	130.527200	0.717000	False
Acute Pain & Low Punish Vs No Pain & High Reward	-213.747500	0.052500	False
Acute Pain & Low Punish Vs No Pain & Low Punish	45.093000	0.999900	False
Acute Pain & Low Punish Vs No Pain & Low Reward	-31.813800	1.000000	False

factor	Meandiff	P-Adj	Reject
Acute Pain & Low Reward Vs Chronic Pain & High Punish	174.993900	0.358900	False
Acute Pain & Low Reward Vs Chronic Pain & High Reward	-111.924900	0.903100	False
Acute Pain & Low Reward Vs Chronic Pain & Low Punish	51.435100	0.999900	False
Acute Pain & Low Reward Vs Chronic Pain & Low Reward	94.134100	0.970700	False
Acute Pain & Low Reward Vs No Pain & High Punish	140.054000	0.616700	False
Acute Pain & Low Reward Vs No Pain & High Reward	-204.220800	0.080300	False
Acute Pain & Low Reward Vs No Pain & Low Punish	54.619800	0.999600	False
Acute Pain & Low Reward Vs No Pain & Low Reward	-22.287000	1.000000	False
Chronic Pain & High Punish Vs Chronic Pain & High Reward	-286.918800	0.000400	True
Chronic Pain & High Punish Vs Chronic Pain & Low Punish	-123.558800	0.728200	False
Chronic Pain & High Punish Vs Chronic Pain & Low Reward	-80.859700	0.982000	False
Chronic Pain & High Punish Vs No Pain & High Punish	-34.939900	1.000000	False
Chronic Pain & High Punish Vs No Pain & High Reward	-379.214600	0.000000	True
Chronic Pain & High Punish Vs No Pain & Low Punish	-120.374100	0.674300	False
Chronic Pain & High Punish Vs No Pain & Low Reward	-197.280900	0.043300	True
Chronic Pain & High Reward Vs Chronic Pain & Low Punish	163.360000	0.254900	False
Chronic Pain & High Reward Vs Chronic Pain & Low Reward	206.059000	0.041200	True
Chronic Pain & High Reward Vs No Pain & High Punish	251.978900	0.001100	True
Chronic Pain & High Reward Vs No Pain & High Reward	-92.295900	0.907500	False
Chronic Pain & High Reward Vs No Pain & Low Punish	166.544700	0.144300	False
Chronic Pain & High Reward Vs No Pain & Low Reward	89.637900	0.923400	False
Chronic Pain & Low Punish Vs Chronic Pain & Low Reward	42.699000	0.999900	False
Chronic Pain & Low Punish Vs No Pain & High Punish	88.618900	0.936500	False
Chronic Pain & Low Punish Vs No Pain & High Reward	-255.655900	0.000600	True
Chronic Pain & Low Punish Vs No Pain & Low Punish	3.184700	1.000000	False
Chronic Pain & Low Punish Vs No Pain & Low Reward	-73.722100	0.981300	False
Chronic Pain & Low Reward Vs No Pain & High Punish	45.919900	0.999800	False
Chronic Pain & Low Reward Vs No Pain & High Reward	-298.354900	0.000000	True
Chronic Pain & Low Reward Vs No Pain & Low Punish	-39.514400	0.999900	False
Chronic Pain & Low Reward Vs No Pain & Low Reward	-116.421200	0.677100	False

factor	Meandiff	P-Adj	Reject
No Pain & High Punish Vs No Pain & High Reward	-344.274800	0.000000	True
No Pain & High Punish Vs No Pain & Low Punish	-85.434200	0.916200	False
No Pain & High Punish Vs No Pain & Low Reward	-162.341000	0.109600	False
No Pain & High Reward Vs No Pain & Low Punish	258.840500	0.000100	True
No Pain & High Reward Vs No Pain & Low Reward	181.933700	0.030700	True
No Pain & Low Punish Vs No Pain & Low Reward	-76.906800	0.953000	False