Results

Corrs accounting for Age

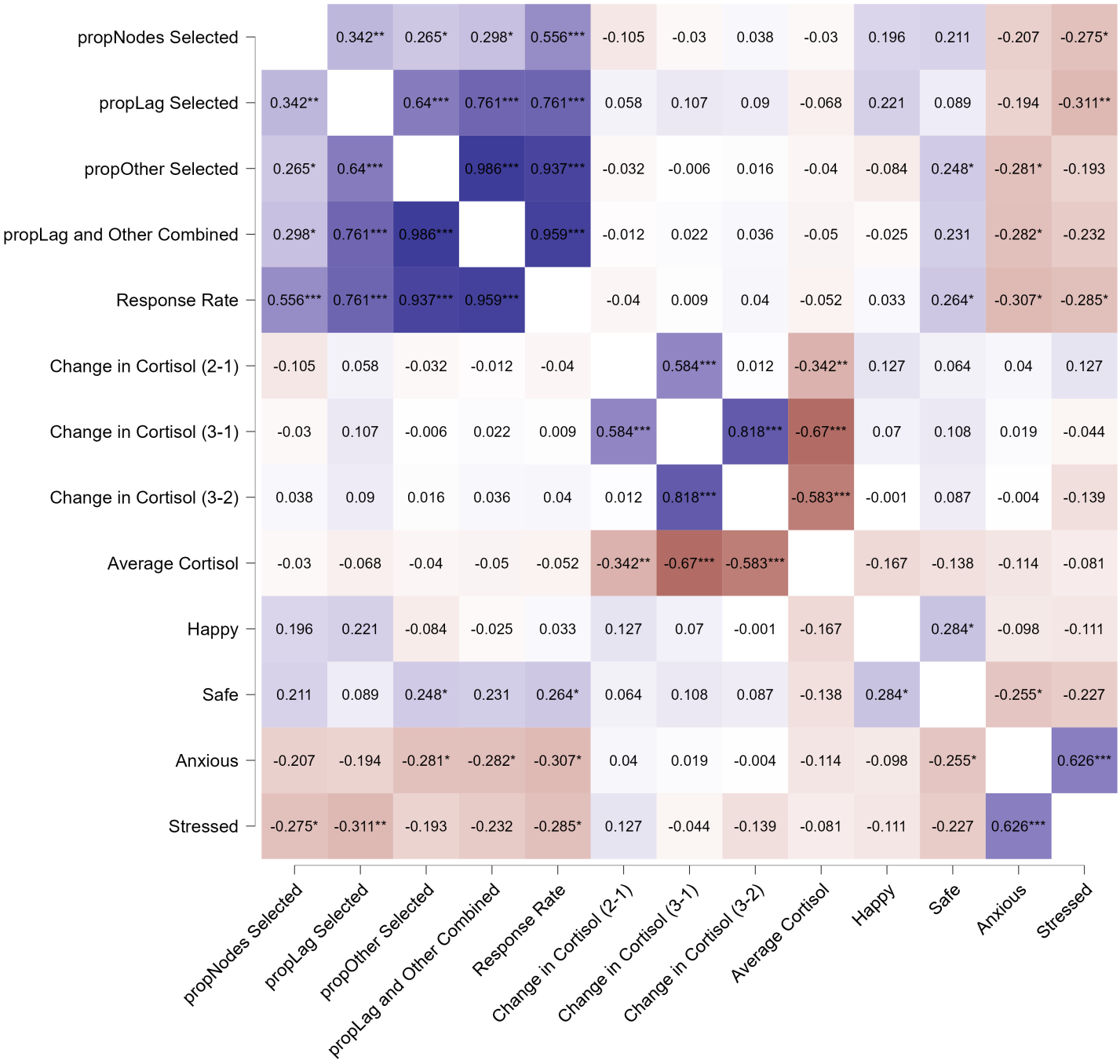
```
jaspRegression::Correlation(
        version = "0.17.2",
        heatmapPlot = TRUE,
        partialOutVariables = "Age",
        significanceFlagged = TRUE,
        variables = list("propNodes Selected", "propLag Selected", "propOther Selected", "propLag and Other Combined", "Response Rate", "Change in Cortisol (2-
1)", "Change in Cortisol (3-1)", "Change in Cortisol (3-2)", "Average Cortisol", "Happy", "Safe", "Anxious", "Stressed"))
```

Pearson's Partial Correlations

Variable		propNodes Selected	propLag Selected	propOther Selected	propLag and Other Combined	Response Rate	Change in Cortisol (2-1)	Change in Cor
1. propNodes Selected	Pearson's r	—						
	p-value	—						
2. propLag Selected	Pearson's r	0.342**	—					
	p-value	0.003	—					
3. propOther Selected	Pearson's r	0.265*	0.640***	—				
	p-value	0.026	< .001	—				
4. propLag and Other Combined	Pearson's r	0.298*	0.761***	0.986***	—			
	p-value	0.012	< .001	< .001	—			
5. Response Rate	Pearson's r	0.556***	0.761***	0.937***	0.959***	—		
	p-value	< .001	< .001	< .001	< .001	—		
6. Change in Cortisol (2-1)	Pearson's r	−0.105	0.058	−0.032	−0.012	−0.040	—	
	p-value	0.423	0.657	0.808	0.926	0.762	—	
7. Change in Cortisol (3-1)	Pearson's r	−0.030	0.107	−0.006	0.022	0.009	0.584***	-
	p-value	0.822	0.416	0.965	0.868	0.943	< .001	-
8. Change in Cortisol (3-2)	Pearson's r	0.038	0.090	0.016	0.036	0.040	0.012	0.81
	p-value	0.773	0.493	0.906	0.787	0.763	0.930	< .00
9. Average Cortisol	Pearson's r	−0.030	−0.068	−0.040	−0.050	−0.052	−0.342**	−0.67
	p-value	0.822	0.607	0.762	0.703	0.695	0.008	< .00
10. Happy	Pearson's r	0.196	0.221	−0.084	−0.025	0.033	0.127	0.07
	p-value	0.110	0.070	0.496	0.837	0.787	0.344	0.60
11. Safe	Pearson's r	0.211	0.089	0.248*	0.231	0.264*	0.064	0.10
	p-value	0.084	0.471	0.041	0.058	0.029	0.633	0.42
12. Anxious	Pearson's r	−0.207	−0.194	−0.281*	−0.282*	−0.307*	0.040	0.01
	p-value	0.090	0.112	0.020	0.020	0.011	0.765	0.88
13. Stressed	Pearson's r	−0.275*	−0.311**	−0.193	−0.232	−0.285*	0.127	−0.04
	p-value	0.023	0.010	0.114	0.057	0.019	0.341	0.74

* p < .05, ** p < .01, *** p < .001
Note. Conditioned on variables: Age.

Partial Pearson's r heatmap



Corrs accounting for Age and Life Stress

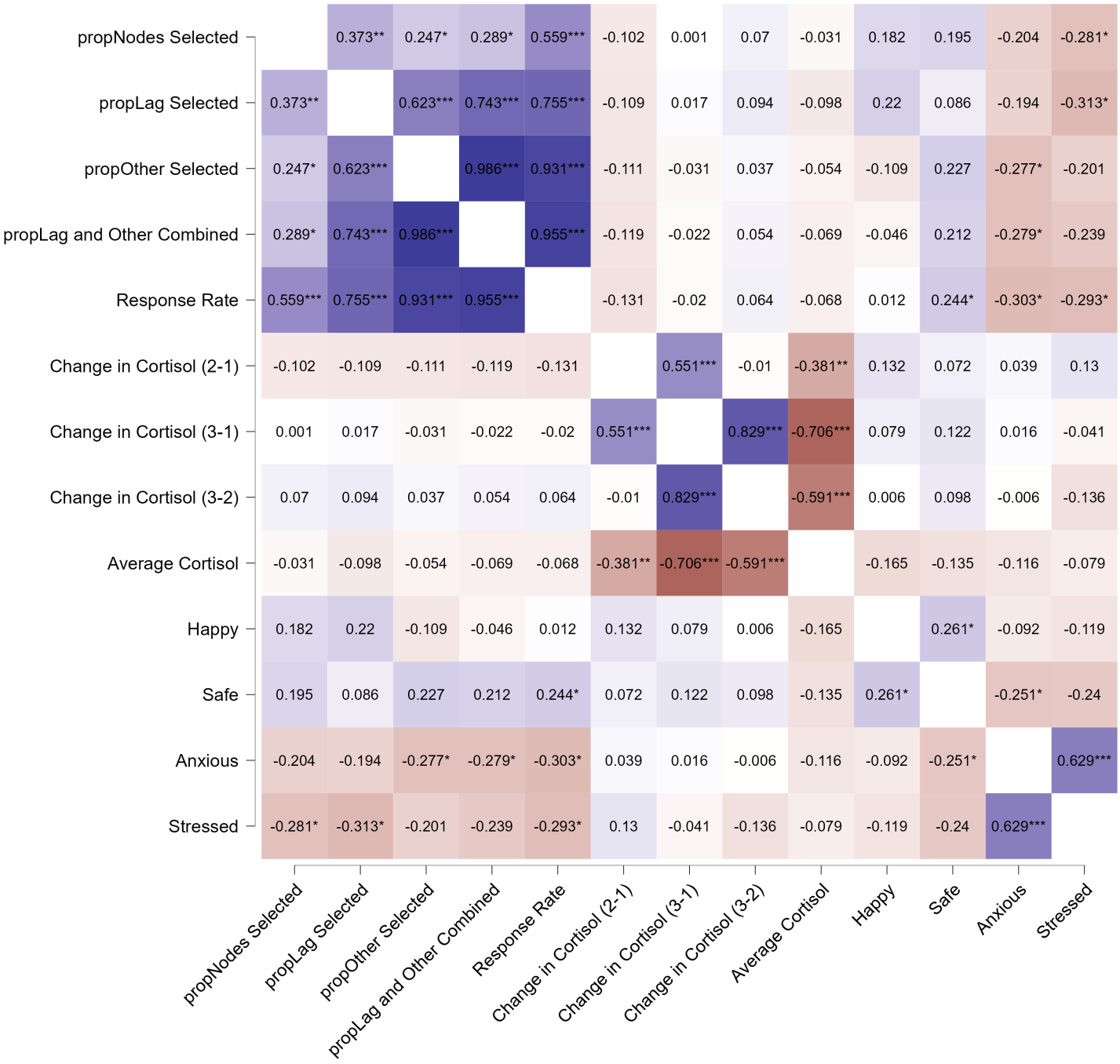
```
jaspRegression::Correlation(
        version = "0.17.2",
        heatmapPlot = TRUE,
        partialOutVariables = list("Age", "Life Stress"),
        significanceFlagged = TRUE,
        variables = list("propNodes Selected", "propLag Selected", "propOther Selected", "propLag and Other Combined", "Response Rate", "Change in Cortisol (2-
1)", "Change in Cortisol (3-1)", "Change in Cortisol (3-2)", "Average Cortisol", "Happy", "Safe", "Anxious", "Stressed"))
```

Pearson's Partial Correlations

Variable		propNodes Selected	propLag Selected	propOther Selected	propLag and Other Combined	Response Rate	Change in Cortisol (2-1)	Change in Cor
1. propNodes Selected	Pearson's r	—						
	p-value	—						
2. propLag Selected	Pearson's r	0.373**	—					
	p-value	0.002	—					
3. propOther Selected	Pearson's r	0.247*	0.623***	—				
	p-value	0.044	< .001	—				
4. propLag and Other Combined	Pearson's r	0.289*	0.743***	0.986***	—			
	p-value	0.018	< .001	< .001	—			
5. Response Rate	Pearson's r	0.559***	0.755***	0.931***	0.955***	—		
	p-value	< .001	< .001	< .001	< .001	—		
6. Change in Cortisol (2-1)	Pearson's r	−0.102	−0.109	−0.111	−0.119	−0.131	—	
	p-value	0.451	0.418	0.412	0.379	0.330	—	
7. Change in Cortisol (3-1)	Pearson's r	0.001	0.017	−0.031	−0.022	−0.020	0.551***	-
	p-value	0.991	0.900	0.818	0.873	0.884	< .001	-
8. Change in Cortisol (3-2)	Pearson's r	0.070	0.094	0.037	0.054	0.064	−0.010	0.82
	p-value	0.605	0.488	0.786	0.691	0.634	0.939	< .00
9. Average Cortisol	Pearson's r	−0.031	−0.098	−0.054	−0.069	−0.068	−0.381**	−0.70
	p-value	0.817	0.469	0.690	0.611	0.614	0.003	< .00
10. Happy	Pearson's r	0.182	0.220	−0.109	−0.046	0.012	0.132	0.07
	p-value	0.140	0.073	0.381	0.710	0.925	0.326	0.55
11. Safe	Pearson's r	0.195	0.086	0.227	0.212	0.244*	0.072	0.12
	p-value	0.114	0.488	0.065	0.085	0.047	0.596	0.36
12. Anxious	Pearson's r	−0.204	−0.194	−0.277*	−0.279*	−0.303*	0.039	0.01
	p-value	0.098	0.116	0.023	0.022	0.013	0.774	0.90
13. Stressed	Pearson's r	−0.281*	−0.313*	−0.201	−0.239	−0.293*	0.130	−0.04
	p-value	0.021	0.010	0.103	0.052	0.016	0.335	0.76

Note. Conditioned on variables: Age, Life Stress.
* p < .05, ** p < .01, *** p < .001

Partial Pearson's r heatmap



Early Cort effect (2 vs bl) ANOVA

```
jaspAnova::Anova(
        version = "0.17.2",
        formula = `Change in Cortisol (2-1)` ~ Group * Sex,
        contrasts = list(list(contrast = "none", variable = "Group"), list(contrast = "none", variable = "Sex"), list(contrast = "none", variable = list("Group",
"Sex"))),
        descriptivePlotErrorBar = TRUE,
        descriptivePlotErrorBarType = "se",
        descriptivePlotHorizontalAxis = "Group",
        descriptivePlotSeparateLines = "Sex")
```

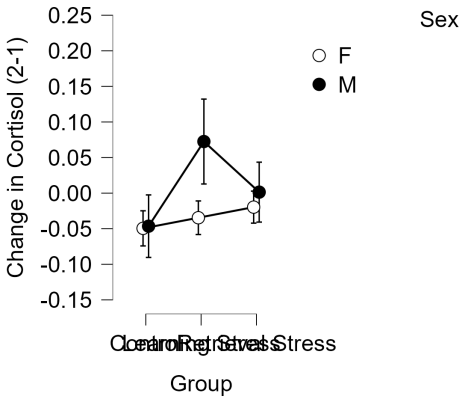
ANOVA - Change in Cortisol (2-1)

Cases	Sum of Squares	df	Mean Square	F	p
Group	0.048	2	0.024	1.248	0.295
Sex	0.026	1	0.026	1.360	0.249
Group ∗ Sex	0.029	2	0.015	0.753	0.476
Residuals	1.062	55	0.019		

Note. Type III Sum of Squares

Descriptives

Descriptives plots



Late Cort effect (3 vs bl) ANOVA

```
jaspAnova::Anova(
        version = "0.17.2",
        formula = `Change in Cortisol (3-1)` ~ Group * Sex,
        contrasts = list(list(contrast = "none", variable = "Group"), list(contrast = "none", variable = "Sex"), list(contrast = "none", variable = list("Group",
"Sex"))),
        descriptivePlotErrorBar = TRUE,
        descriptivePlotErrorBarType = "se",
        descriptivePlotHorizontalAxis = "Group",
        descriptivePlotSeparateLines = "Sex")
```

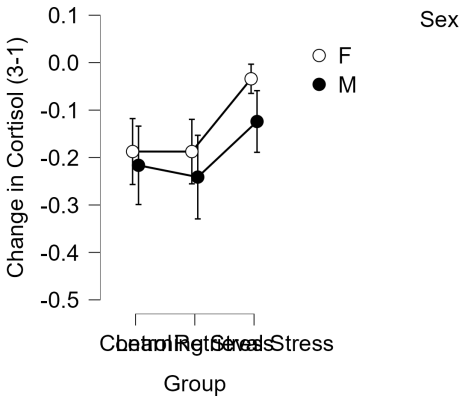
ANOVA - Change in Cortisol (3-1)

Cases	Sum of Squares	df	Mean Square	F	p
Group	0.183	2	0.092	1.410	0.253
Sex	0.046	1	0.046	0.701	0.406
Group ∗ Sex	0.009	2	0.005	0.069	0.933
Residuals	3.577	55	0.065		

Note. Type III Sum of Squares

Descriptives

Descriptives plots



Late Cort effect (3 vs 2) ANOVA

```
jaspAnova::Anova(
        version = "0.17.2",
        formula = `Change in Cortisol (3-2)` ~ Group * Sex,
        contrasts = list(list(contrast = "none", variable = "Group"), list(contrast = "none", variable = "Sex"), list(contrast = "none", variable = list("Group",
"Sex"))),
        descriptivePlotErrorBar = TRUE,
        descriptivePlotErrorBarType = "se",
        descriptivePlotHorizontalAxis = "Group",
        descriptivePlotSeparateLines = "Sex")
```

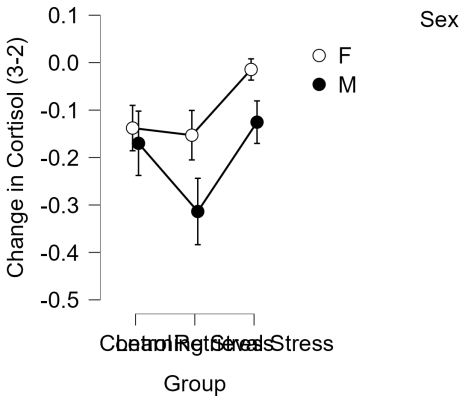
ANOVA - Change in Cortisol (3-2)

Cases	Sum of Squares	df	Mean Square	F	p
Group	0.210	2	0.105	2.674	0.078
Sex	0.141	1	0.141	3.598	0.063
Group ∗ Sex	0.045	2	0.023	0.577	0.565
Residuals	2.156	55	0.039		

Note. Type III Sum of Squares

Descriptives

Descriptives plots



Descriptive Statistics

```
jaspDescriptives::Descriptives(
        version = "0.17.2",
        formula = ~ `Change in Cortisol (2-1)` + `Change in Cortisol (3-1)` + `Change in Cortisol (3-2)` + `Cortisol Measure 1` + `Cortisol Measure 2` + `Cortisol
Measure 3`,
        boxPlotBoxPlot = FALSE,
        boxPlotViolin = TRUE,
        colorPalette = "ggplot2",
        densityPlot = TRUE,
        densityPlotSeparate = "Group",
        densityPlotTransparency = 50,
        splitBy = "Sex")
```

Descriptive Statistics

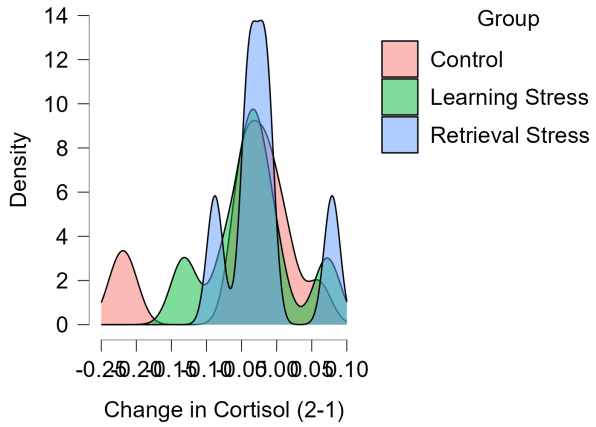
	Change in Cortisol (2-1)		Change in Cortisol (3-1)		Change in Cortisol (3-2)		Cortisol Measure 1		Cortisol Measure 2		Cortisol Measure 3	
	F	M	F	M	F	M	F	M	F	M	F	M
Valid	25	36	25	36	25	36	25	36	25	36	25	36
Missing	2	9	2	9	2	9	2	9	2	9	2	9
Mean	−0.038	-1.111×10^{-4}	−0.151	−0.198	−0.112	−0.198	0.366	0.500	0.328	0.500	0.216	0.303
Std. Deviation	0.071	0.172	0.201	0.283	0.146	0.234	0.283	0.356	0.235	0.295	0.117	0.209
Minimum	−0.228	−0.291	−0.770	−0.852	−0.542	−0.682	0.067	0.083	0.094	0.081	0.078	0.096
Maximum	0.079	0.447	0.103	0.284	0.090	0.417	1.303	1.397	1.075	1.335	0.533	1.167

Note. Excluded 6 rows from the analysis that correspond to the missing values of the split-by variable Sex

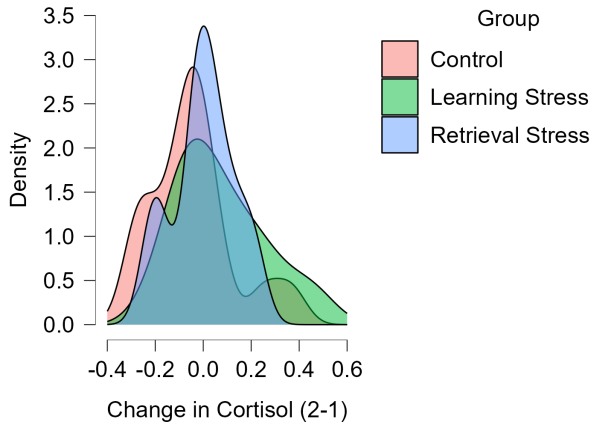
Density Plots

Change in Cortisol (2-1)

F

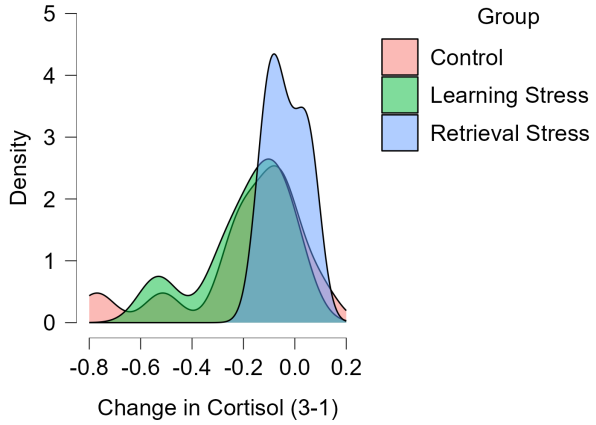


M

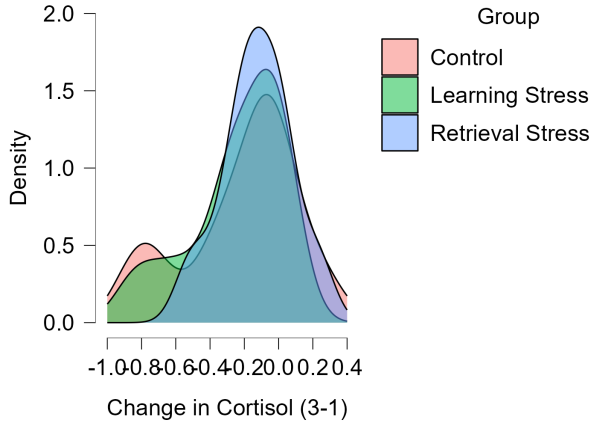


Change in Cortisol (3-1)

F

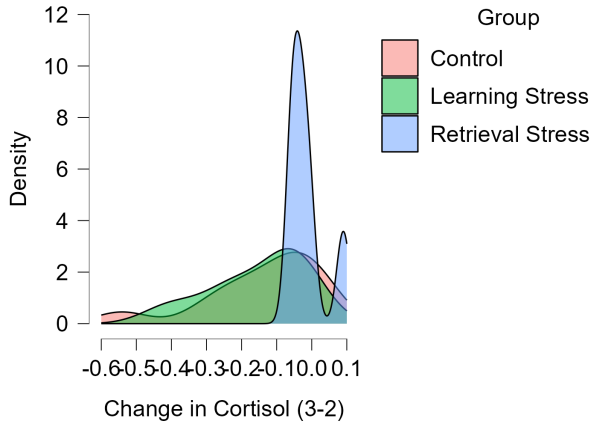


M

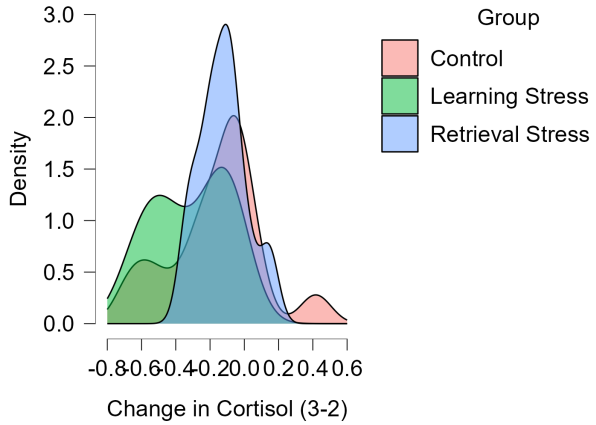


Change in Cortisol (3-2)

F

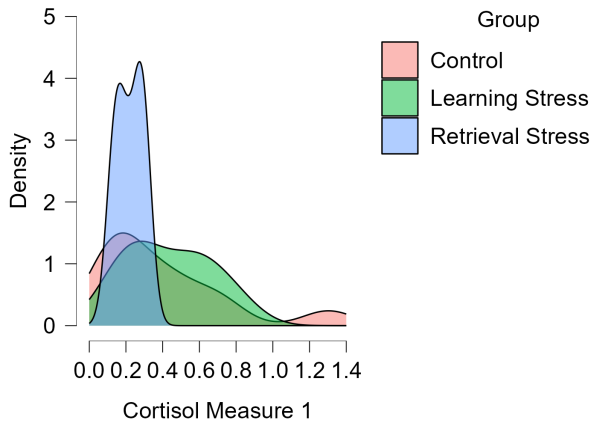


M

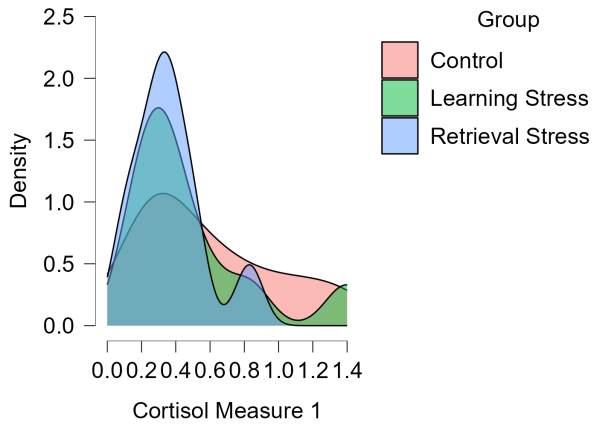


Cortisol Measure 1

F

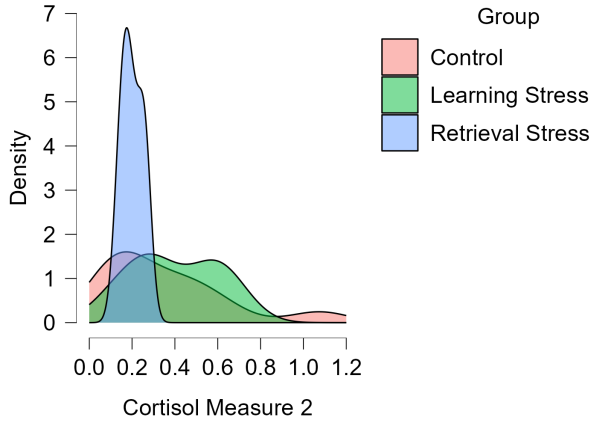


M

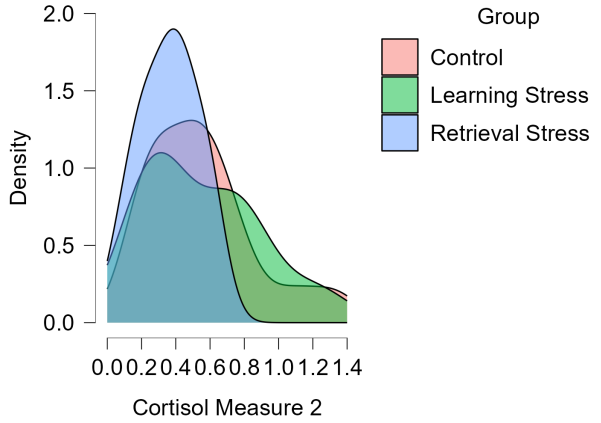


Cortisol Measure 2

F

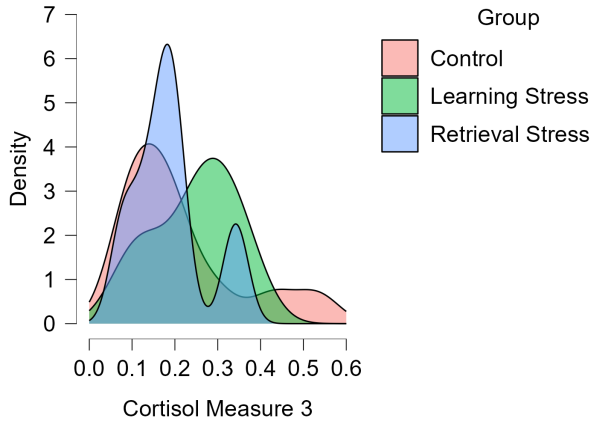


M



Cortisol Measure 3

F



M