

Results

GrpXSex on Nodes ANOVA

```
jaspAnova::Anova(  
  version = "0.17.2",  
  formula = `propNodes Selected` ~ Sex * Group,  
  contrasts = list(list(contrast = "none", variable = "Sex"), list(contrast = "none", variable =  
"Group"), list(contrast = "none", variable = list("Sex", "Group"))),  
  descriptivePlotErrorBar = TRUE,  
  descriptivePlotErrorBarType = "se",  
  descriptivePlotHorizontalAxis = "Group",  
  descriptivePlotSeparateLines = "Sex",  
  postHocCorrectionTukey = FALSE)
```

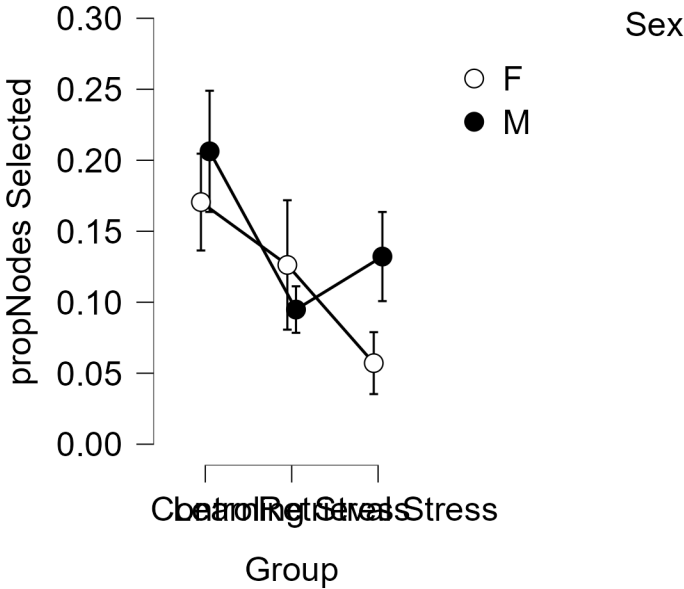
ANOVA - propNodes Selected

Cases	Sum of Squares	df	Mean Square	F	p
Sex	0.011	1	0.011	0.660	0.419
Group	0.125	2	0.063	3.735	0.029
Sex * Group	0.027	2	0.013	0.793	0.457
Residuals	1.107	66	0.017		

Note. Type III Sum of Squares

Descriptives

Descriptives plots



GrpXSex on Lag ANOVA

```
jaspAnova::Anova(  
  version = "0.17.2",  
  formula = `propLag Selected` ~ Sex * Group,  
  contrasts = list(list(contrast = "none", variable = "Sex"), list(contrast = "none", variable =  
"Group")), list(contrast = "none", variable = list("Sex", "Group"))),  
  descriptivePlotErrorBar = TRUE,  
  descriptivePlotErrorBarType = "se",  
  descriptivePlotHorizontalAxis = "Group",  
  descriptivePlotSeparateLines = "Sex",  
  postHocCorrectionTukey = FALSE)
```

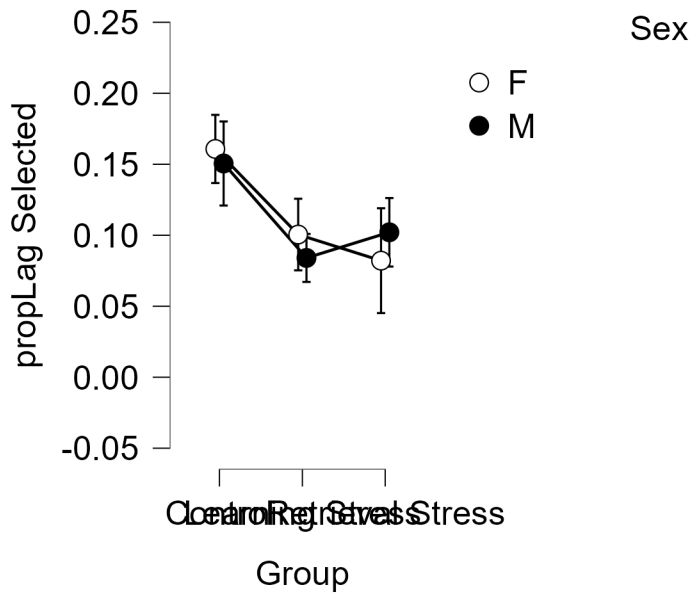
ANOVA - propLag Selected

Cases	Sum of Squares	df	Mean Square	F	p
Sex	7.945×10 ⁻⁵	1	7.945×10 ⁻⁵	0.009	0.926
Group	0.067	2	0.034	3.647	0.031
Sex * Group	0.004	2	0.002	0.196	0.822
Residuals	0.609	66	0.009		

Note. Type III Sum of Squares

Descriptives

Descriptives plots



GrpXSex on Other ANOVA

```
jaspAnova::Anova(  
  version = "0.17.2",  
  formula = `propOther Selected` ~ Sex * Group,  
  contrasts = list(list(contrast = "none", variable = "Sex"), list(contrast = "none", variable =  
"Group")), list(contrast = "none", variable = list("Sex", "Group"))),  
  descriptivePlotErrorBar = TRUE,  
  descriptivePlotErrorBarType = "se",  
  descriptivePlotHorizontalAxis = "Group",  
  descriptivePlotSeparateLines = "Sex",  
  postHocCorrectionTukey = FALSE)
```

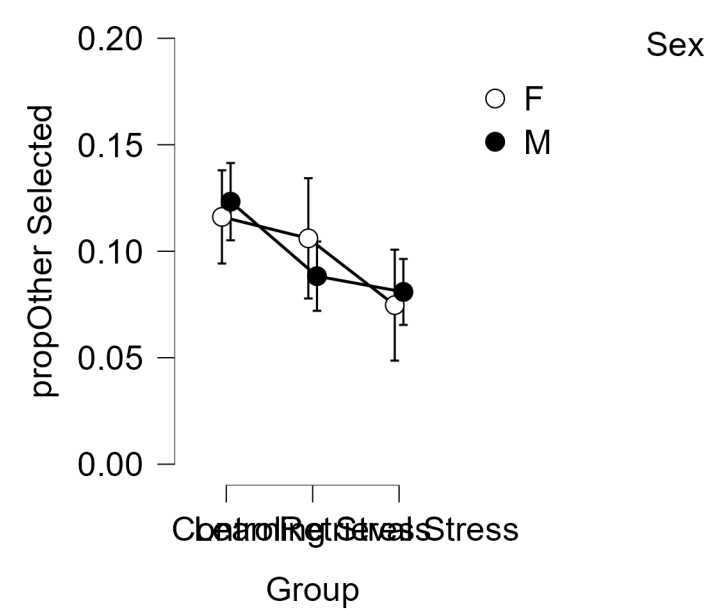
ANOVA - propOther Selected

Cases	Sum of Squares	df	Mean Square	F	p
Sex	3.405×10 ⁻⁵	1	3.405×10 ⁻⁵	0.007	0.934
Group	0.021	2	0.010	2.088	0.132
Sex * Group	0.002	2	0.001	0.202	0.818
Residuals	0.328	66	0.005		

Note. Type III Sum of Squares

Descriptives

Descriptives plots



GrpXSex on RespRate ANOVA

```
jaspAnova::Anova(  
  version = "0.17.2",  
  formula = `Response Rate` ~ Sex * Group,  
  contrasts = list(list(contrast = "none", variable = "Sex"), list(contrast = "none", variable =  
"Group")), list(contrast = "none", variable = list("Sex", "Group"))),  
  descriptivePlotErrorBar = TRUE,  
  descriptivePlotErrorBarType = "se",  
  descriptivePlotHorizontalAxis = "Group",  
  descriptivePlotSeparateLines = "Sex",  
  postHocCorrectionTukey = FALSE)
```

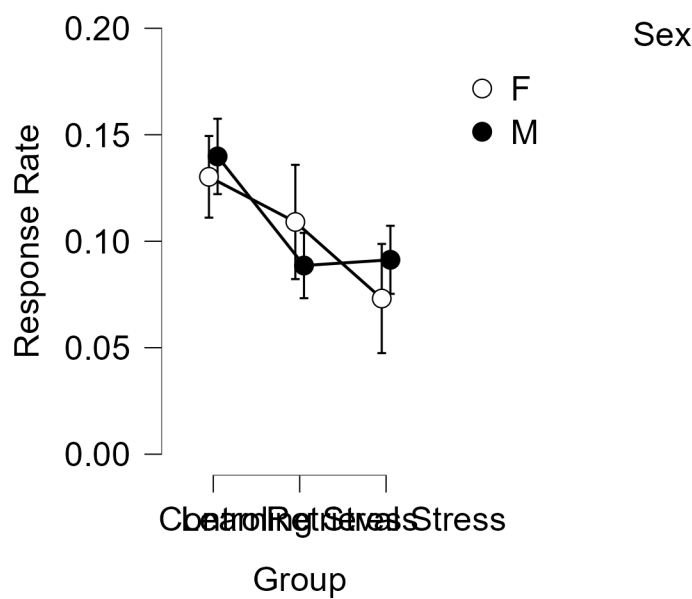
ANOVA - Response Rate

Cases	Sum of Squares	df	Mean Square	F	p
Sex	9.356×10 ⁻⁵	1	9.356×10 ⁻⁵	0.021	0.886
Group	0.036	2	0.018	3.937	0.024
Sex * Group	0.004	2	0.002	0.428	0.654
Residuals	0.299	66	0.005		

Note. Type III Sum of Squares

Descriptives

Descriptives plots



LinReg Nodes - Grp+Sex controlling Other

```
jaspRegression::RegressionLinear(  
  version = "0.17.2",  
  formula = `propNodes Selected` ~ Sex + Group + `propOther Selected`,  
  covariates = "propOther Selected")
```

Model Summary - propNodes Selected

Model	R	R ²	Adjusted R ²	RMSE
H ₀	0.000	0.000	0.000	0.134
H ₁	0.402	0.161	0.111	0.126

ANOVA

Model		Sum of Squares	df	Mean Square	F	p
H ₁	Regression	0.206	4	0.052	3.225	0.018
	Residual	1.072	67	0.016		
	Total	1.279	71			

Note. The intercept model is omitted, as no meaningful information can be shown.

Coefficients

Model		Unstandardized	Standard Error	Standardized ^a	t	p
H ₀	(Intercept)	0.144	0.016		9.108	< .001
H ₁	(Intercept)	0.123	0.039		3.136	0.003
	propOther Selected	0.433	0.220	0.227	1.967	0.053
	Group (Learning Stress)	-0.076	0.037		-2.088	0.041
	Group (Retrieval Stress)	-0.069	0.037		-1.864	0.067
	Sex (M)	0.028	0.031		0.912	0.365

^a Standardized coefficients can only be computed for continuous predictors.

LinReg Lags - Grp+Sex controlling Other

```
jaspRegression::RegressionLinear(  
  version = "0.17.2",  
  formula = `propLag Selected` ~ Sex + Group + `propOther Selected`,  
  covariates = "propOther Selected")
```

Model Summary - propLag Selected

Model	R	R ²	Adjusted R ²	RMSE
H ₀	0.000	0.000	0.000	0.098
H ₁	0.676	0.458	0.425	0.074

ANOVA

Model		Sum of Squares	df	Mean Square	F	p
H ₁	Regression	0.312	4	0.078	14.126	< .001
	Residual	0.370	67	0.006		
	Total	0.682	71			

Note. The intercept model is omitted, as no meaningful information can be shown.

Coefficients

Model		Unstandardized	Standard Error	Standardized ^a	t	p
H ₀	(Intercept)	0.120	0.012		10.396	< .001
H ₁	(Intercept)	0.054	0.023		2.335	0.023
	propOther Selected	0.857	0.129	0.617	6.628	< .001
	Group (Learning Stress)	-0.043	0.021		-1.980	0.052
	Group (Retrieval Stress)	-0.024	0.022		-1.082	0.283
	Sex (M)	-0.004	0.018		-0.214	0.831

^a Standardized coefficients can only be computed for continuous predictors.

GrpXSex on Nodes con age, blcort, prop other ANCOVA

```
jaspAnova::Ancova(  
  version = "0.17.2",  
  formula = `propNodes Selected` ~ Sex * Group + `propOther Selected` + `Cortisol Measure 1` + Age,  
  covariates = list("Age", "Cortisol Measure 1", "propOther Selected"),  
  contrasts = list(list(contrast = "none", variable = "Sex"), list(contrast = "none", variable =  
"Group"), list(contrast = "none", variable = list("Sex", "Group"))),  
  rainCloudHorizontalAxis = "Group")
```

ANCOVA - propNodes Selected

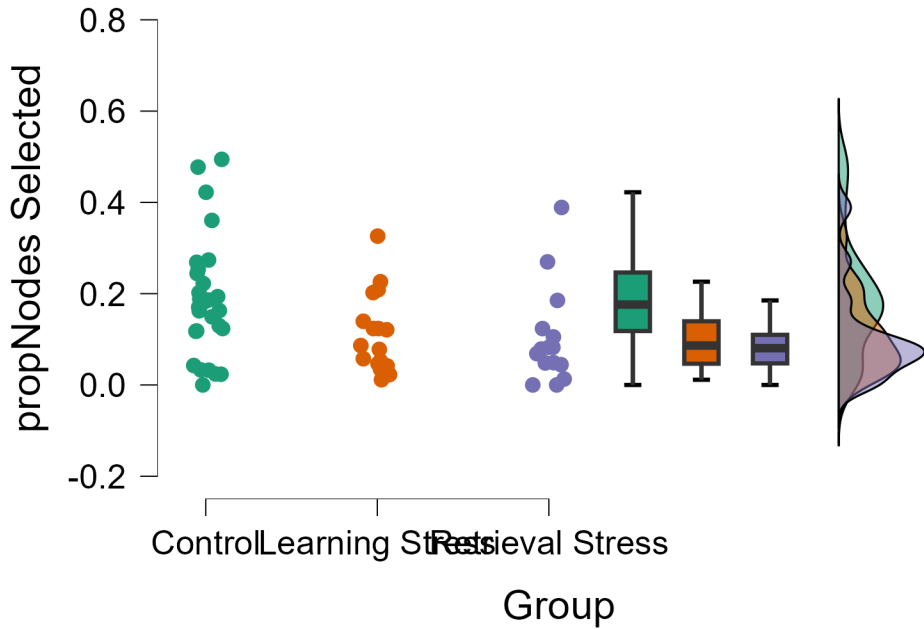
Cases	Sum of Squares	df	Mean Square	F	p
Sex	0.009	1	0.009	0.710	0.403
Group	0.076	2	0.038	3.101	0.053
propOther Selected	0.031	1	0.031	2.522	0.118
Sex * Group	0.037	2	0.018	1.498	0.233
Age	0.024	1	0.024	1.930	0.171
Cortisol Measure 1	0.006	1	0.006	0.509	0.479
Residuals	0.637	52	0.012		

Note. Type III Sum of Squares

Descriptives

Raincloud plots

propNodes Selected



GrpXSex on Lag con age, blcort, prop other ANCOVA

```
jaspAnova::Ancova(  
  version = "0.17.2",  
  formula = `propLag Selected` ~ Sex * Group + `propOther Selected` + `Cortisol Measure 1` + Age,  
  covariates = list("Age", "Cortisol Measure 1", "propOther Selected"),  
  contrasts = list(list(contrast = "none", variable = "Sex"), list(contrast = "none", variable =  
"Group"), list(contrast = "none", variable = list("Sex", "Group"))),  
  rainCloudHorizontalAxis = "Group")
```

ANCOVA - propLag Selected

Cases	Sum of Squares	df	Mean Square	F	p
Sex	4.994×10 ⁻⁵	1	4.994×10 ⁻⁵	0.008	0.928
Group	0.039	2	0.020	3.279	0.046
propOther Selected	0.111	1	0.111	18.435	< .001
Sex * Group	0.003	2	0.002	0.250	0.779
Age	0.026	1	0.026	4.323	0.043
Cortisol Measure 1	0.008	1	0.008	1.349	0.251
Residuals	0.312	52	0.006		

Note. Type III Sum of Squares

Descriptives

Raincloud plots

propLag Selected

