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)
```

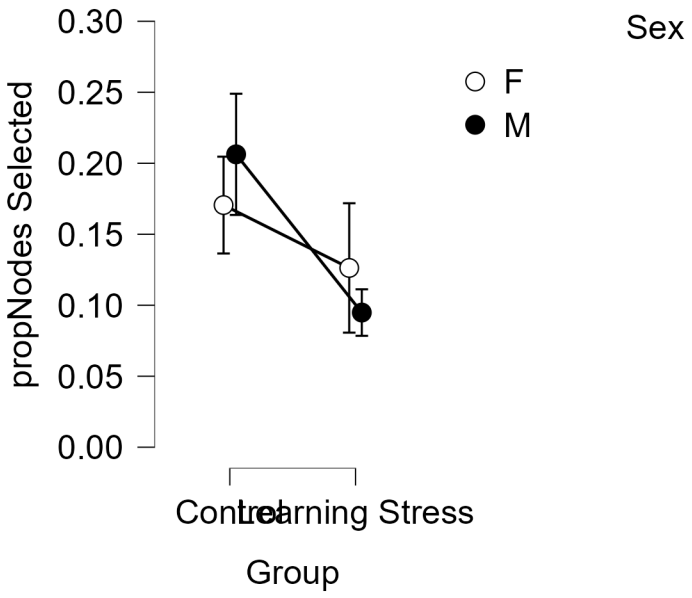
ANOVA - propNodes Selected

Cases	Sum of Squares	df	Mean Square	F	p
Sex	5.341×10^{-5}	1	5.341×10^{-5}	0.003	0.958
Group	0.069	1	0.069	3.569	0.065
Sex ✻ Group	0.013	1	0.013	0.664	0.419
Residuals	0.934	48	0.019		

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)
```

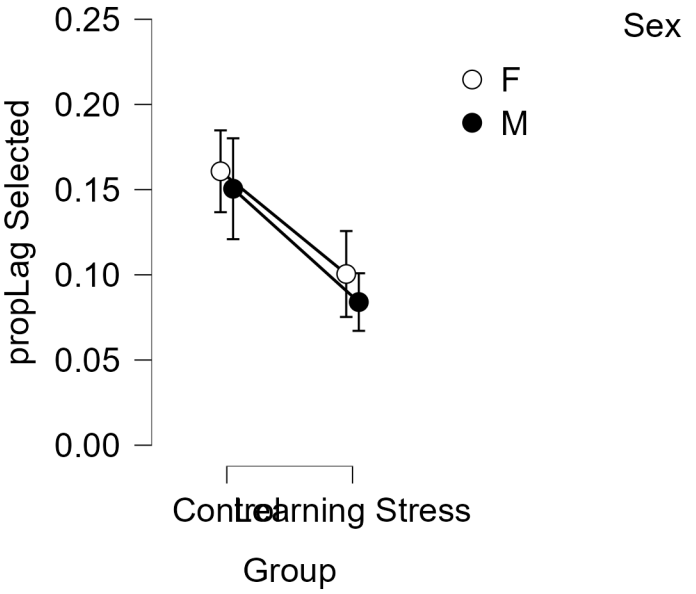
ANOVA - propLag Selected

Cases	Sum of Squares	df	Mean Square	F	p
Sex	0.002	1	0.002	0.213	0.647
Group	0.046	1	0.046	4.792	0.033
Sex ✻ Group	1.109×10^{-4}	1	1.109×10^{-4}	0.012	0.915
Residuals	0.461	48	0.010		

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)
```

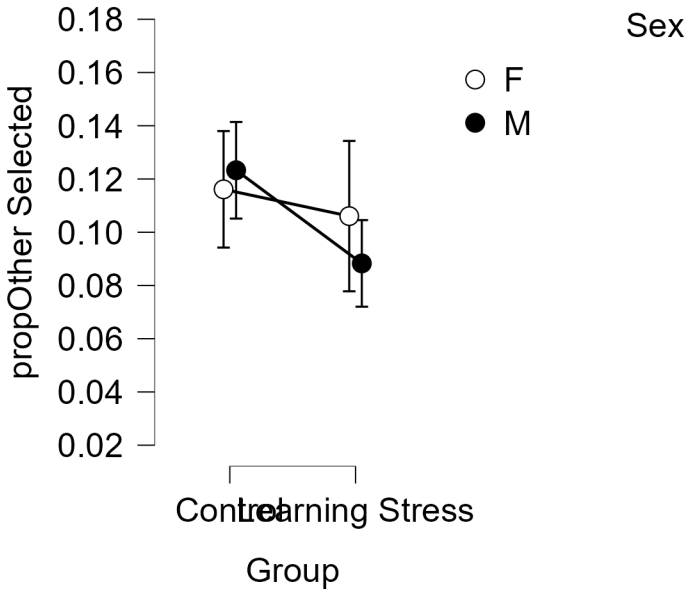
ANOVA - propOther Selected

Cases	Sum of Squares	df	Mean Square	F	p
Sex	3.222×10^{-4}	1	3.222×10^{-4}	0.059	0.809
Group	0.006	1	0.006	1.064	0.308
Sex ✻ Group	0.002	1	0.002	0.325	0.571
Residuals	0.262	48	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)
```

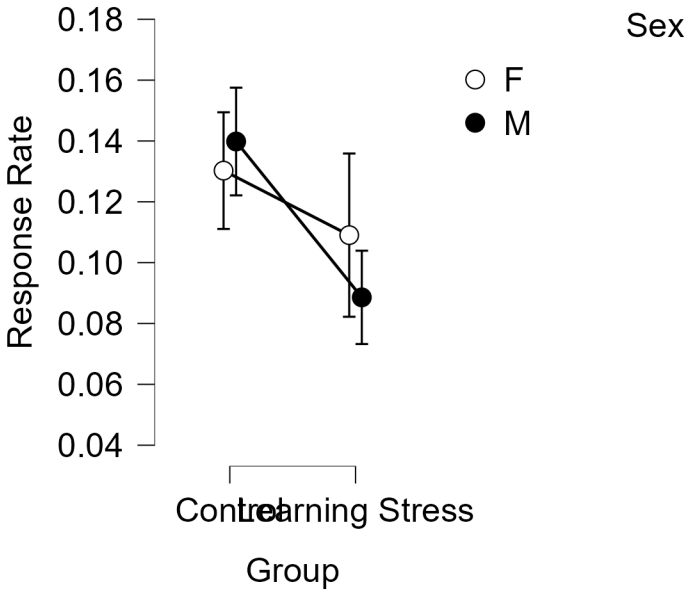
ANOVA - Response Rate

Cases	Sum of Squares	df	Mean Square	F	p
Sex	3.395×10^{-4}	1	3.395×10^{-4}	0.070	0.792
Group	0.015	1	0.015	3.116	0.084
Sex ✻ Group	0.003	1	0.003	0.535	0.468
Residuals	0.231	48	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	0.143
H_1	0.357	0.128	0.073	0.137

ANOVA

Model		Sum of Squares	df	Mean Square	F	p
H_1	Regression	0.133	3	0.044	2.341	0.085
	Residual	0.906	48	0.019		
	Total	1.039	51			

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)	0.159	0.020		8.019	< .001
H_1	(Intercept)	0.138	0.047		2.945	0.005
	propOther Selected	0.391	0.267	0.200	1.461	0.151
	Group (Learning Stress)	−0.076	0.040		−1.920	0.061
	Sex (M)	0.012	0.039		0.297	0.768

[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	0.100
H_1	0.640	0.410	0.373	0.080

ANOVA

Model		Sum of Squares	df	Mean Square	F	p
H_1	Regression	0.211	3	0.070	11.124	< .001
	Residual	0.304	48	0.006		
	Total	0.515	51			

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)	0.130	0.014		9.309	< .001
H_1	(Intercept)	0.068	0.027		2.518	0.015
	propOther Selected	0.772	0.155	0.561	4.987	< .001
	Group (Learning Stress)	−0.044	0.023		−1.922	0.061
	Sex (M)	−0.011	0.023		−0.482	0.632

[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

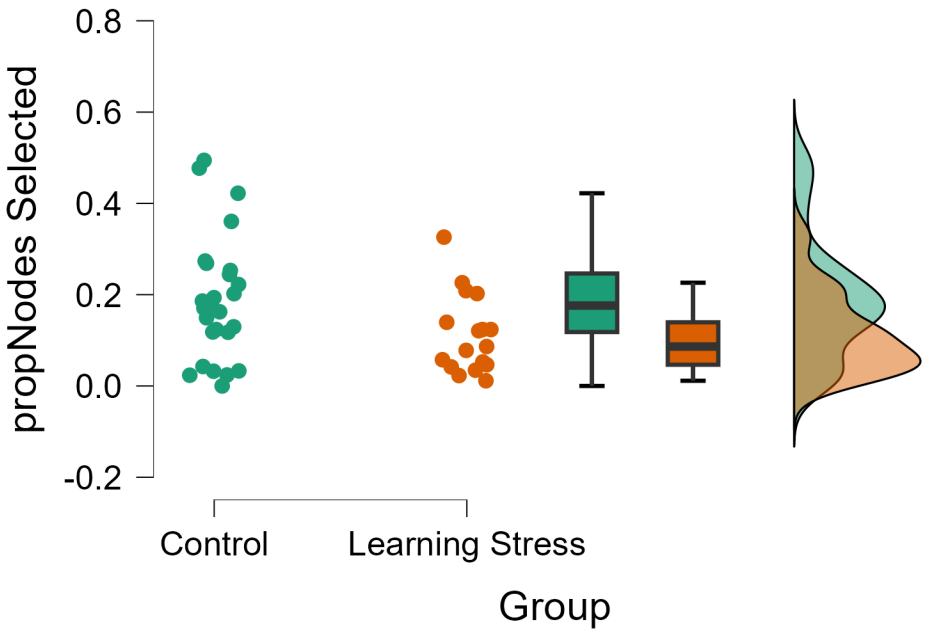
Cases	Sum of Squares	df	Mean Square	F	p
Sex	0.004	1	0.004	0.286	0.596
Group	0.043	1	0.043	3.246	0.080
propOther Selected	0.031	1	0.031	2.364	0.132
Sex ✻ Group	0.002	1	0.002	0.166	0.686
Age	0.031	1	0.031	2.337	0.135
Cortisol Measure 1	2.551×10^{-4}	1	2.551×10^{-4}	0.019	0.891
Residuals	0.505	38	0.013		

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	0.001	1	0.001	0.190	0.665
Group	0.036	1	0.036	5.544	0.024
propOther Selected	0.072	1	0.072	11.245	0.002
Sex ✻ Group	7.477×10^{-5}	1	7.477×10^{-5}	0.012	0.915
Age	0.034	1	0.034	5.210	0.028
Cortisol Measure 1	0.009	1	0.009	1.353	0.252
Residuals	0.245	38	0.006		

Note. Type III Sum of Squares

Descriptives

Raincloud plots

propLag Selected