

# 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)
```

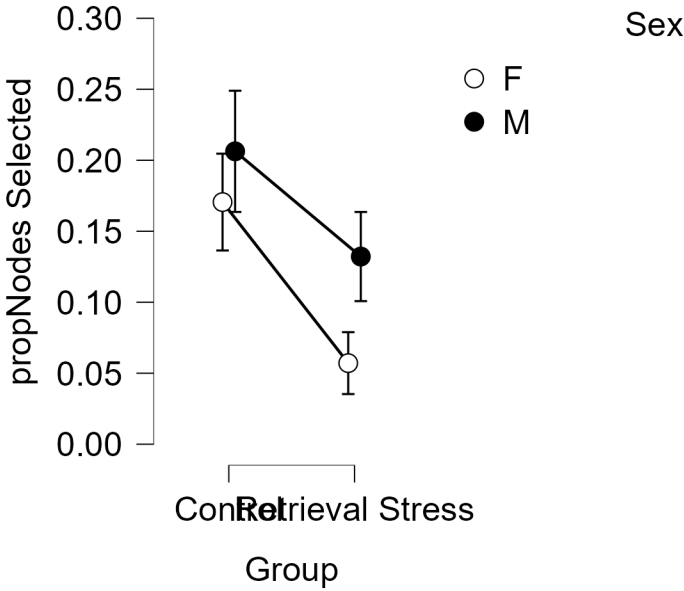
ANOVA - propNodes Selected

Cases	Sum of Squares	df	Mean Square	F	p
Sex	0.035	1	0.035	1.725	0.195
Group	0.101	1	0.101	4.940	0.031
Sex * Group	0.004	1	0.004	0.217	0.643
Residuals	0.978	48	0.020		

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)
```

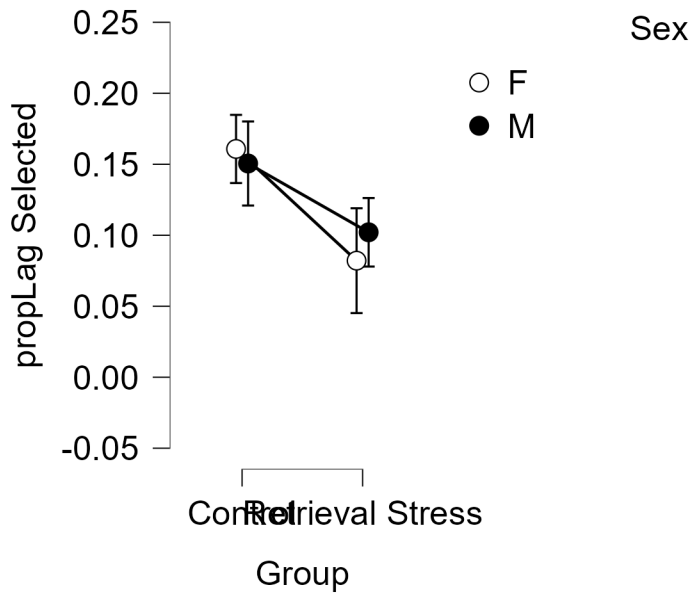
ANOVA - propLag Selected

Cases	Sum of Squares	df	Mean Square	F	p
Sex	2.719×10 <sup>-4</sup>	1	2.719×10 <sup>-4</sup>	0.024	0.877
Group	0.046	1	0.046	4.129	0.048
Sex * Group	0.003	1	0.003	0.234	0.631
Residuals	0.538	48	0.011		

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)
```

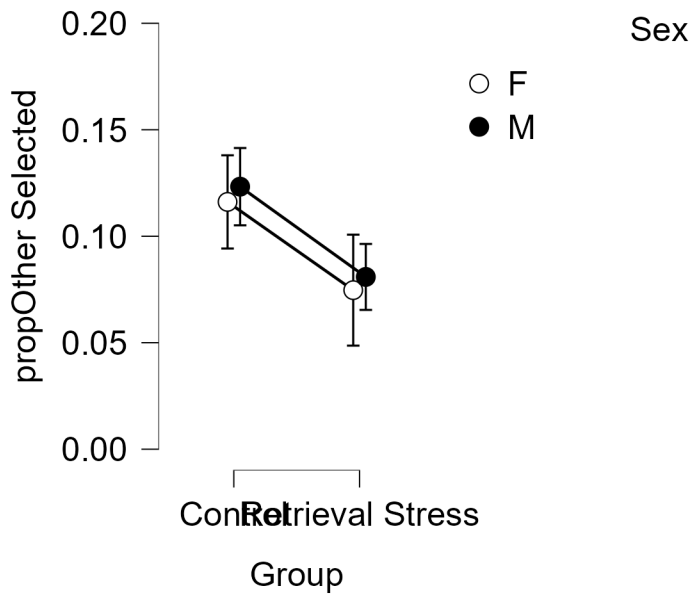
ANOVA - propOther Selected

Cases	Sum of Squares	df	Mean Square	F	p
Sex	5.111×10 <sup>-4</sup>	1	5.111×10 <sup>-4</sup>	0.097	0.757
Group	0.020	1	0.020	3.811	0.057
Sex * Group	2.580×10 <sup>-6</sup>	1	2.580×10 <sup>-6</sup>	4.887×10 <sup>-4</sup>	0.982
Residuals	0.253	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)
```

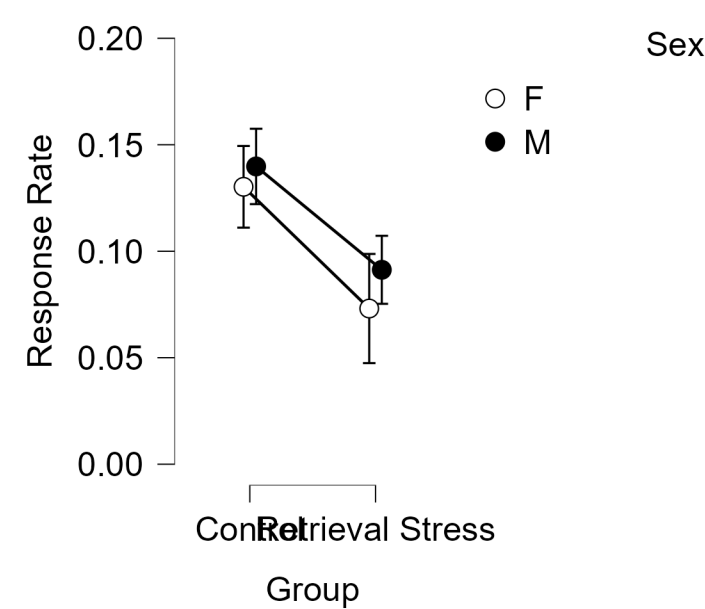
ANOVA - Response Rate

Cases	Sum of Squares	df	Mean Square	F	p
Sex	0.002	1	0.002	0.456	0.503
Group	0.032	1	0.032	6.620	0.013
Sex * Group	2.126×10 <sup>-4</sup>	1	2.126×10 <sup>-4</sup>	0.044	0.835
Residuals	0.232	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 <sup>2</sup>	Adjusted R <sup>2</sup>	RMSE
H <sub>0</sub>	0.000	0.000	0.000	0.147
H <sub>1</sub>	0.362	0.131	0.077	0.141

## ANOVA

Model		Sum of Squares	df	Mean Square	F	p
H <sub>1</sub>	Regression	0.145	3	0.048	2.411	0.078
	Residual	0.960	48	0.020		
	Total	1.105	51			

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

## Coefficients

Model		Unstandardized	Standard Error	Standardized <sup>a</sup>	t	p
H <sub>0</sub>	(Intercept)	0.159	0.020		7.778	< .001
H <sub>1</sub>	(Intercept)	0.127	0.048		2.666	0.010
	propOther Selected	0.300	0.281	0.150	1.068	0.291
	Group (Retrieval Stress)	-0.076	0.042		-1.809	0.077
	Sex (M)	0.048	0.040		1.195	0.238

<sup>a</sup> 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 <sup>2</sup>	Adjusted R <sup>2</sup>	RMSE
H <sub>0</sub>	0.000	0.000	0.000	0.107
H <sub>1</sub>	0.663	0.440	0.405	0.083

ANOVA

Model		Sum of Squares	df	Mean Square	F	p
H <sub>1</sub>	Regression	0.257	3	0.086	12.575	< .001
	Residual	0.327	48	0.007		
	Total	0.584	51			

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

Coefficients

Model		Unstandardized	Standard Error	Standardized <sup>a</sup>	t	p
H <sub>0</sub>	(Intercept)	0.132	0.015		8.877	< .001
H <sub>1</sub>	(Intercept)	0.047	0.028		1.703	0.095
	propOther Selected	0.918	0.164	0.630	5.595	< .001
	Group (Retrieval Stress)	-0.021	0.025		-0.859	0.395
	Sex (M)	-0.005	0.024		-0.224	0.824

<sup>a</sup> 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

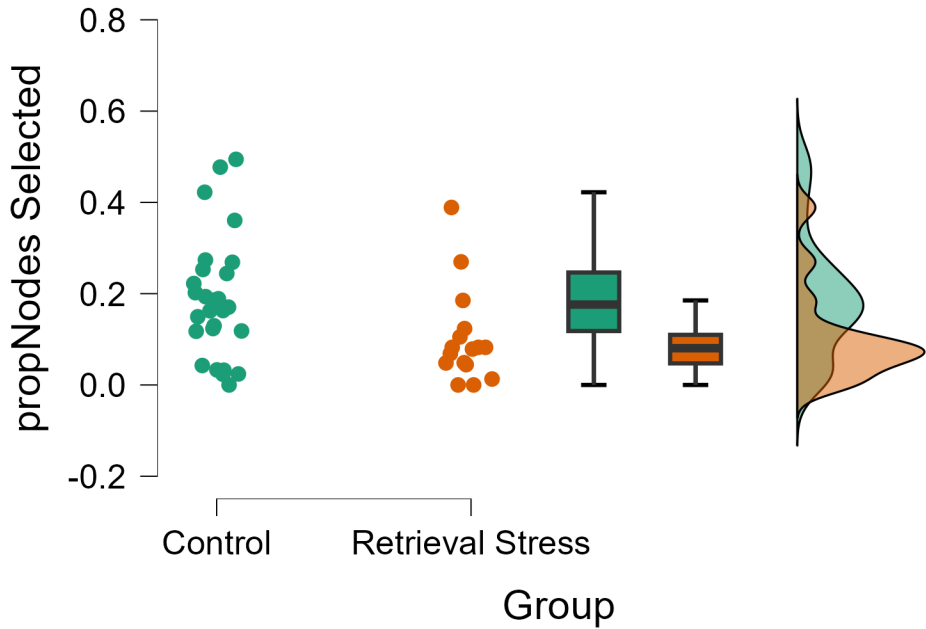
Cases	Sum of Squares	df	Mean Square	F	p
Sex	0.026	1	0.026	1.759	0.193
Group	0.063	1	0.063	4.232	0.047
propOther Selected	0.011	1	0.011	0.712	0.404
Sex * Group	0.020	1	0.020	1.320	0.258
Age	0.016	1	0.016	1.056	0.311
Cortisol Measure 1	0.003	1	0.003	0.176	0.677
Residuals	0.555	37	0.015		

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	9.718×10 <sup>-4</sup>	1	9.718×10 <sup>-4</sup>	0.136	0.714
Group	0.029	1	0.029	4.069	0.051
propOther Selected	0.084	1	0.084	11.805	0.001
Sex * Group	0.003	1	0.003	0.429	0.517
Age	0.028	1	0.028	3.873	0.057
Cortisol Measure 1	0.022	1	0.022	3.062	0.088
Residuals	0.264	37	0.007		

Note. Type III Sum of Squares

## Descriptives

### Raincloud plots

propLag Selected

