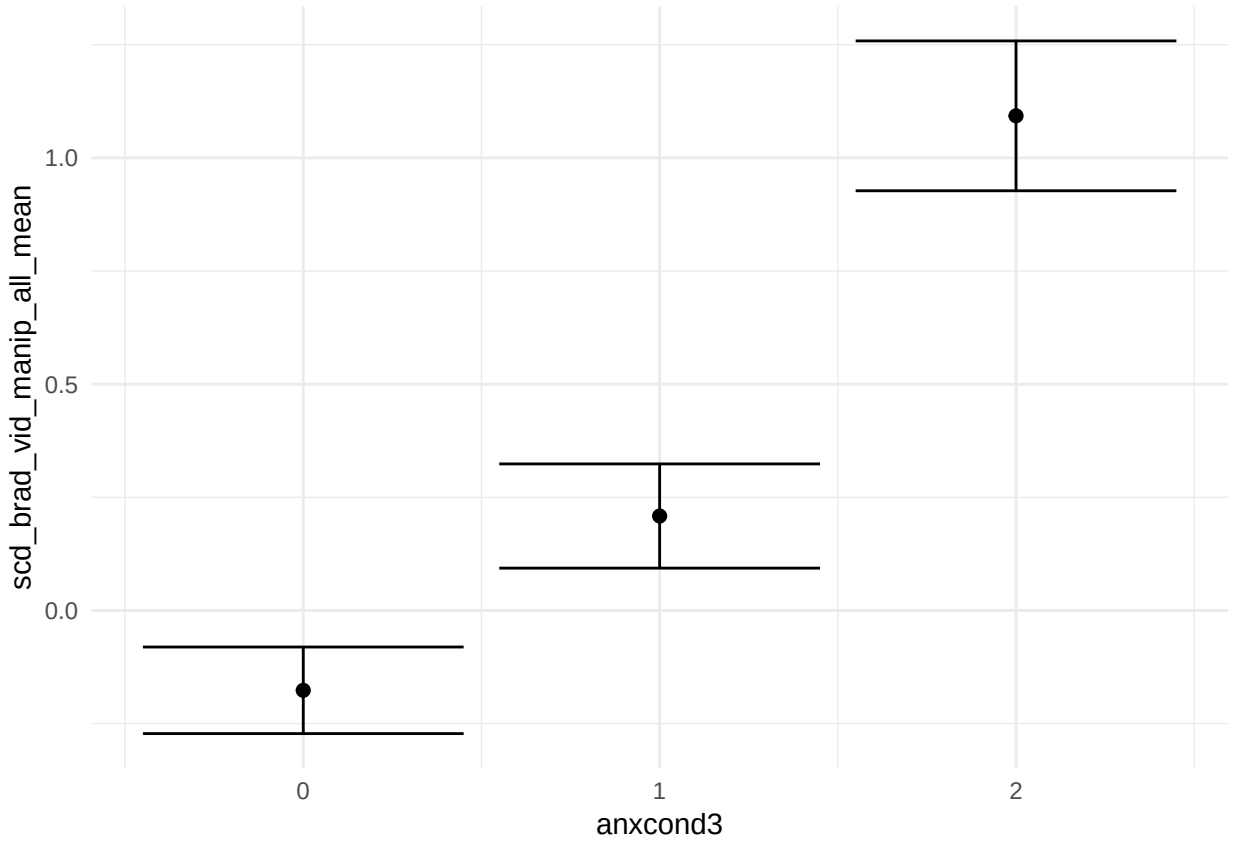
Midterm 1

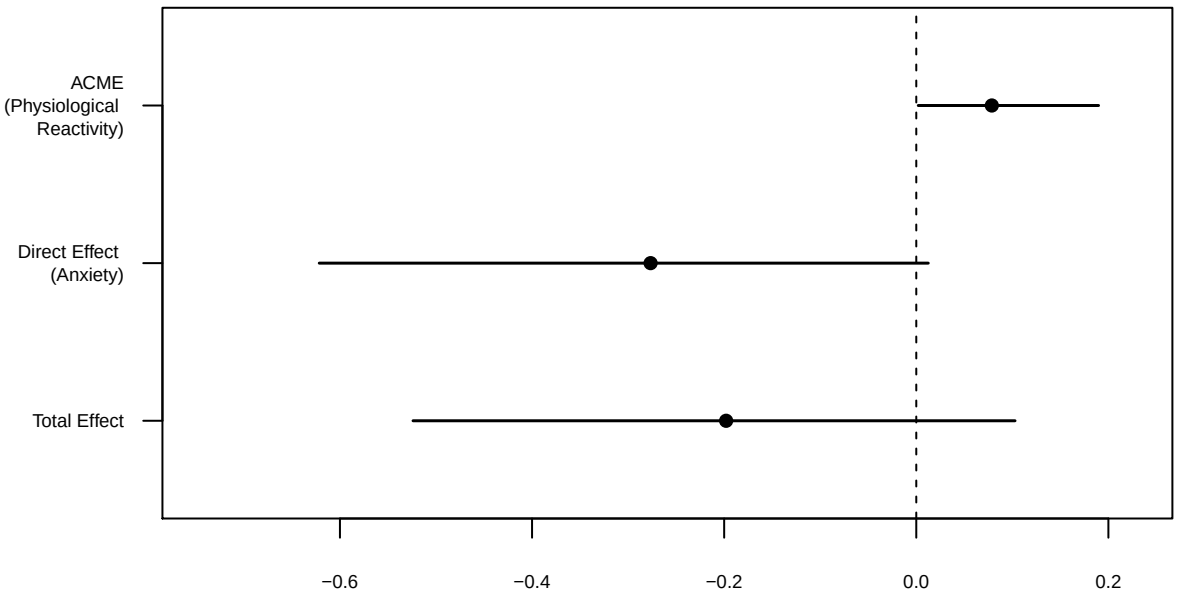
Abstract

This document is the culmination of the first half of the semester's studies in replicating published journal articles. In this document, I have replicated

Table 1:

	Dependent variable:	
	scd_brad_self_report1_mean	immigration
	(1)	(2)
storycond		0.386**
		(0.176)
anxcond	0.339*	−0.277
	(0.195)	(0.178)
scd_brad_self_report1_mean		0.232**
		(0.100)
Constant	0.115	1.983***
	(0.137)	(0.138)
Observations	81	81
R^2	0.037	0.120
Adjusted R^2	0.025	0.086
Residual Std. Error	0.877 (df = 79)	0.779 (df = 77)
F Statistic	3.021* (df = 1; 79)	3.507** (df = 3; 77)
Note:		*p<0.1; **p<0.05; ***p<0.01


scd_brad_vid_manip_all_mean
1.0
0.5
0.0
0
1
2
anxcond3


ACME
(Physiological
Reactivity)
Direct Effect
(Anxiety)
Total Effect
−0.6
−0.4
−0.2
0.0
0.2

Call: bayesglm(formula = scd_brad_self_report1_mean ~ anxcond, data = noRelaxCond)

Deviance Residuals: Min 1Q Median 3Q Max
-2.00688 -0.69491 0.09732 0.57739 2.03728

Coefficients: Estimate Std. Error t value Pr(>|t|)
(Intercept) 0.1158 0.1368 0.847 0.3997
anxcond 0.3373 0.1944 1.735 0.0867 . — Signif. codes: 0 ‘*’ ***0.001*** ‘**’ *0.01* ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

(Dispersion parameter for gaussian family taken to be 0.7682812)

`Null deviance: 63.015  on 80  degrees of freedom`

Residual deviance: 60.694 on 79 degrees of freedom (2 observations deleted due to missingness) AIC: 212.49

Number of Fisher Scoring iterations: 6

Call: bayesglm(formula = immigration ~ storycond + anxcond + scd_brad_self_report1_mean, data = noRelaxCond)

Deviance Residuals: Min 1Q Median 3Q Max
-1.70589 -0.54755 -0.07375 0.42343 2.96765

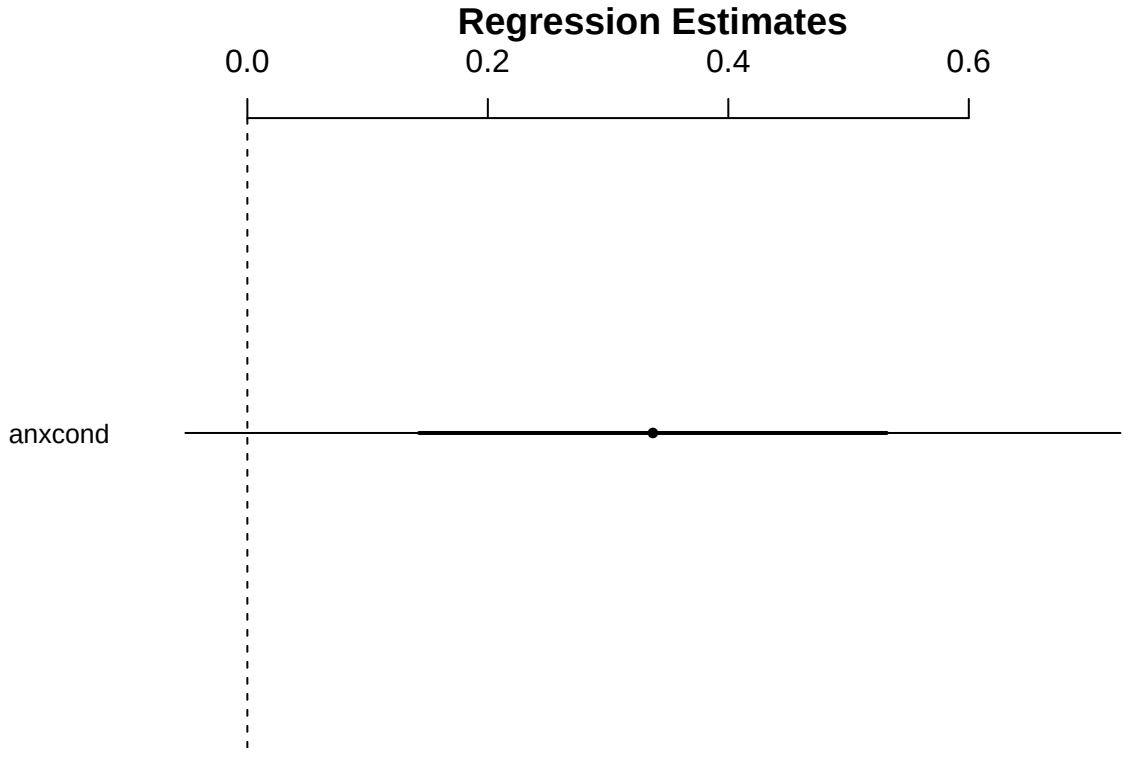
Coefficients: Estimate Std. Error t value Pr(>|t|)
(Intercept) 1.98337 0.13826 14.345 <2e-16 ** *storycond 0.38415 0.17611 2.181 0.0322*
anxcond -0.27525 0.17778 -1.548 0.1257
scd_brad_self_report1_mean 0.23183 0.09998 2.319 0.0231 *
— Signif. codes: 0 ‘*’ ***0.001*** ‘**’ *0.01* ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

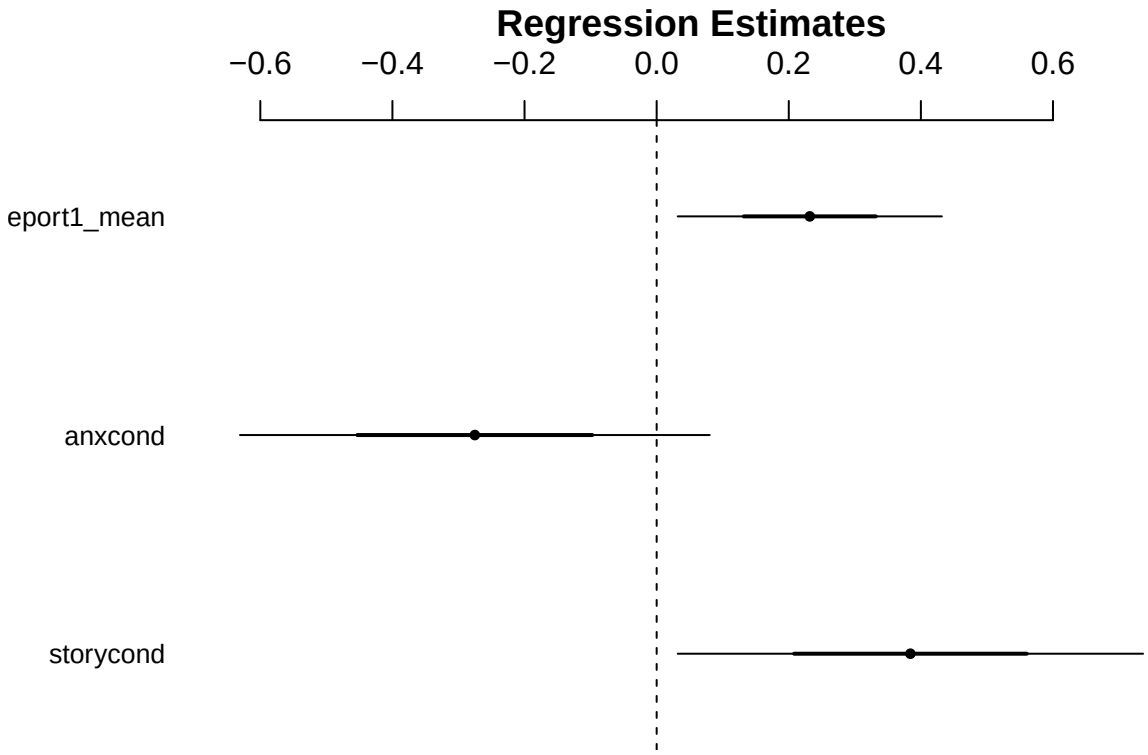
(Dispersion parameter for gaussian family taken to be 0.6066466)

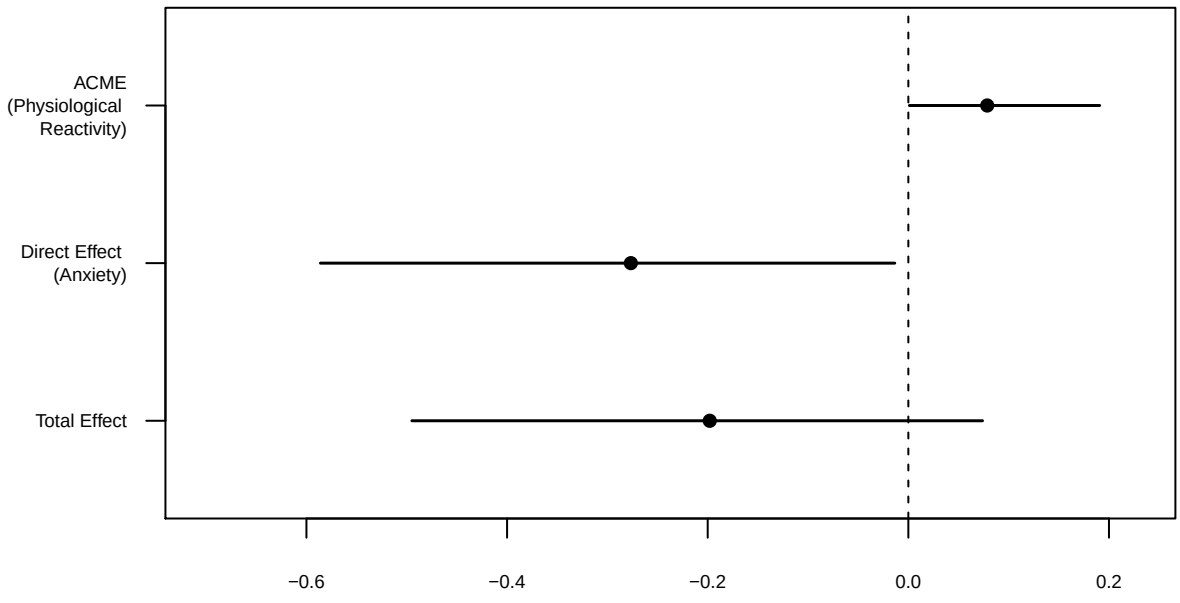
`Null deviance: 53.094  on 80  degrees of freedom`

Residual deviance: 46.712 on 77 degrees of freedom (2 observations deleted due to missingness) AIC: 195.28

Number of Fisher Scoring iterations: 8




Regression Estimates
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
eport1_mean
anxcond
storycond


ACME
(Physiological
Reactivity)
Direct Effect
(Anxiety)
Total Effect
−0.6
−0.4
−0.2
0.0
0.2

Bibliography

Hlavac, Marek (2018). stargazer: Well-Formatted Regression and Summary Statistics Tables. R package version 5.2.2. https://CRAN.R-project.org/package=stargazer

Renshon, Jonathan, Jooa Julia Lee, and Dustin Tingley. "Physiological arousal and political beliefs."PoliticalPsychology36.5 (2015): 569-585.