

PSY6810 Assessment 2: Jamovi outputs

Correlation Matrix

Correlation Matrix

		Overall_Wellbeing	Physical_Symptoms	Physical_Wellbeing
Overall_Wellbeing	Pearson's r	—		
	p-value	—		
Physical_Symptoms	Pearson's r	−0.45	—	
	p-value	< .001	—	
Physical_Wellbeing	Pearson's r	0.67	−0.51	—
	p-value	< .001	< .001	—

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.68	0.46	236.47	2	556	< .001

Model Coefficients - Overall_Wellbeing

Predictor	Estimate	SE	t	p	Stand. Estimate
Intercept	3.90	0.13	28.89	< .001	
Physical_Symptoms	−0.23	0.06	−3.83	< .001	−0.14
Physical_Wellbeing	0.16	0.01	16.38	< .001	0.60

Cook's Distance

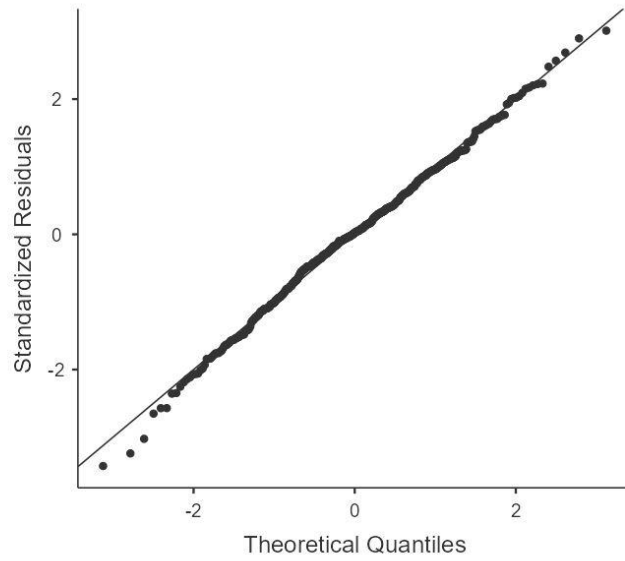
Mean	Median	SD	Range	
			Min	Max
0.00	0.00	0.01	0.00	0.12

Collinearity Statistics

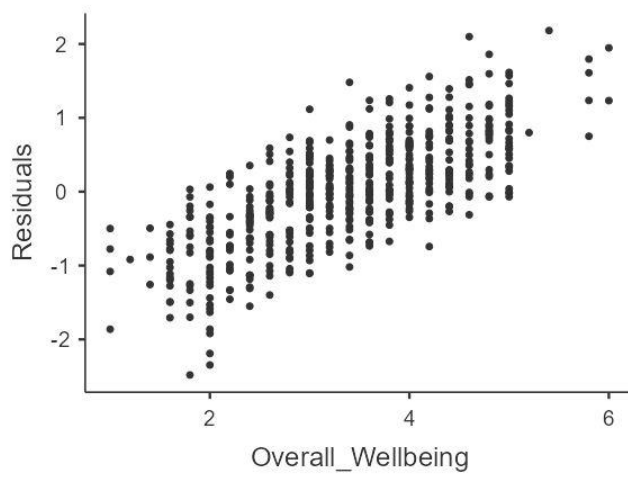
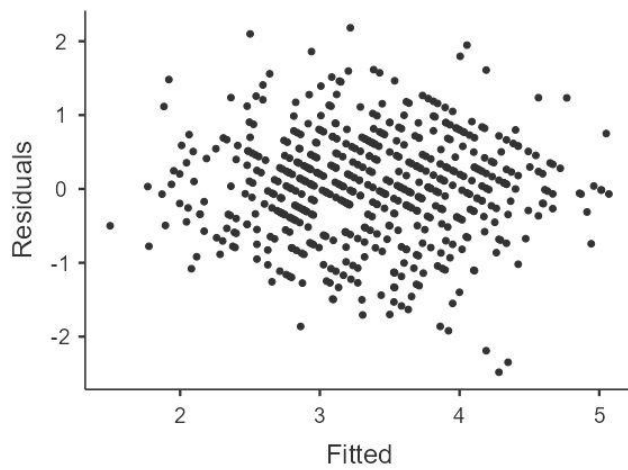
	VIF	Tolerance
Physical_Symptoms	1.36	0.73
Physical_Wellbeing	1.36	0.73

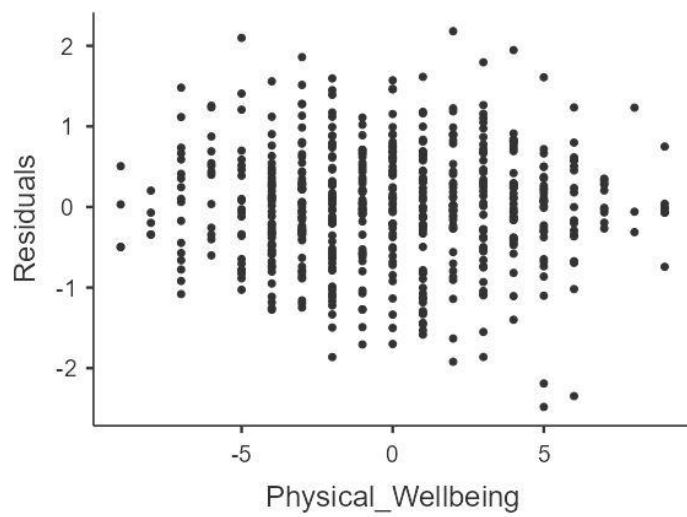
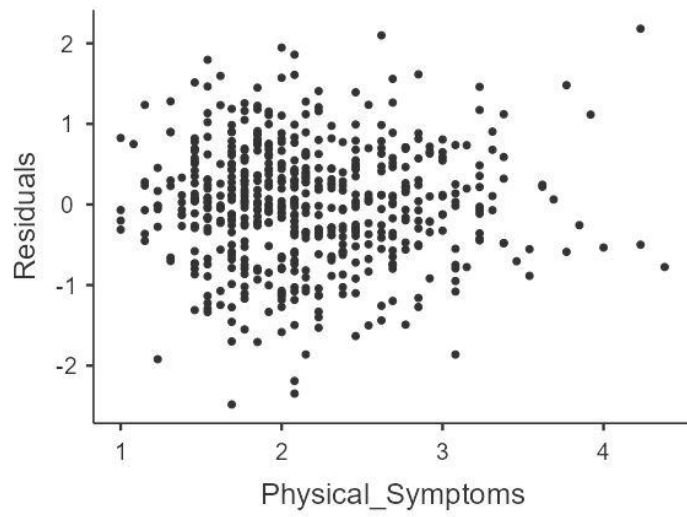
[3]

Q-Q Plot



Residuals Plots





Mediation

Mediation Estimates

Effect	Label	Estimate	SE	Z	p	% Mediation
Indirect	$a \times b$	-0.31	0.03	-10.74	< .001	68.79
Direct	c	-0.14	0.04	-3.84	< .001	31.21
Total	$c + a \times b$	-0.45	0.04	-11.78	< .001	100.00

Path Estimates

		Label	Estimate	SE	Z	p	
Z_Physical_Symptoms	→	Z_Physical_Wellbeing	a	−0.51	0.04	−14.20	< .001
Z_Physical_Wellbeing	→	Z_Overall_Wellbeing	b	0.60	0.04	16.43	< .001
Z_Physical_Symptoms	→	Z_Overall_Wellbeing	c	−0.14	0.04	−3.84	< .001