

Results

Reliability Analysis

Scale Reliability Statistics

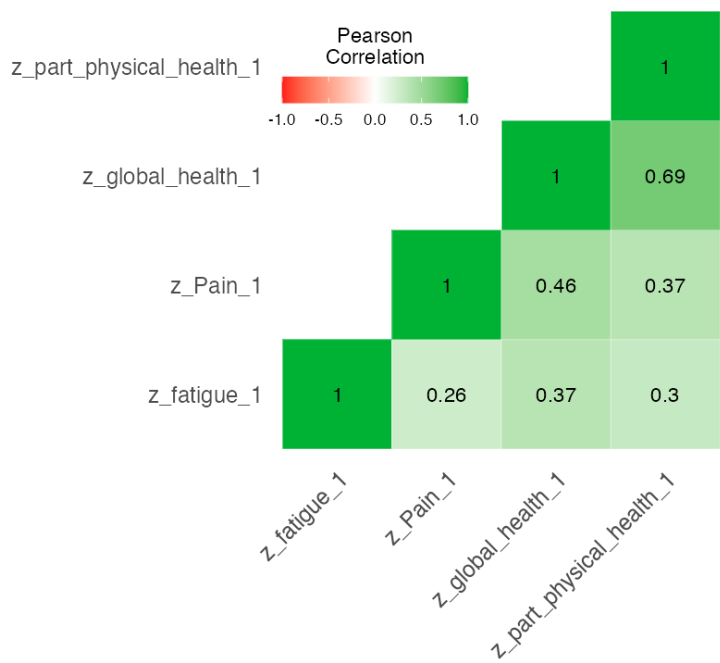
	Mean	SD	Cronbach's $\alpha$	McDonald's $\omega$
scale	0.00112	0.747	0.733	0.755

[3]

Item Reliability Statistics

	Mean	SD	Item-rest correlation	If item dropped	
				Cronbach's $\alpha$	McDonald's $\omega$
z_fatigue_1	0.00819	1.003	0.374	0.755	0.779
z_Pain_1	0.00106	1.000	0.454	0.712	0.751
z_global_health_1	-0.00719	1.003	0.689	0.572	0.578
z_part_physical_health_1	0.00240	1.005	0.599	0.628	0.647

Correlation Heatmap



Reliability Analysis\_MentalHealth

Scale Reliability Statistics

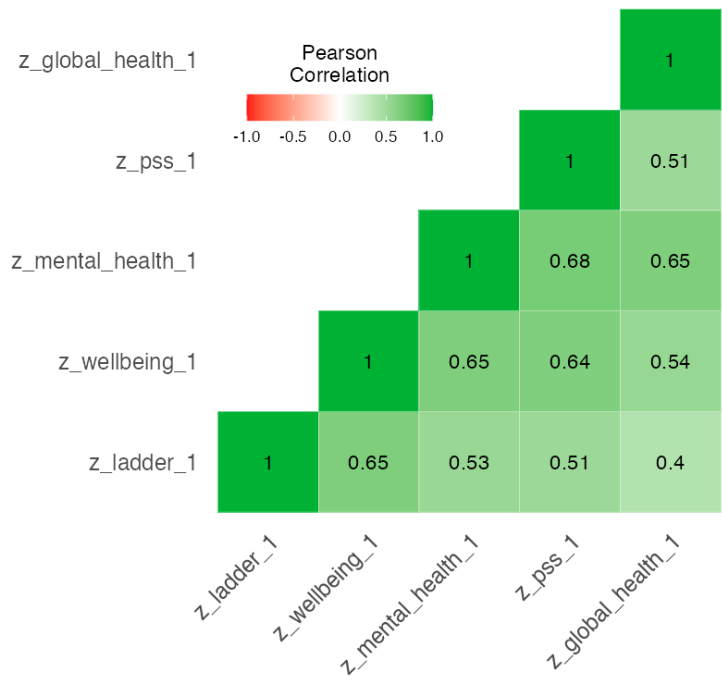
	Mean	SD	Cronbach's $\alpha$	McDonald's $\omega$
scale	9.84e-4	0.814	0.872	0.874

[3]

Item Reliability Statistics

	Mean	SD	Item-rest correlation	If item dropped	
				Cronbach's $\alpha$	McDonald's $\omega$
z_ladder_1	-1.69e -4	1.002	0.622	0.863	0.865
z_wellbeing_1	0.00293	1.001	0.764	0.828	0.834
z_mental_health_1	4.90e -4	1.002	0.774	0.826	0.830
z_pss_1	0.00167	1.002	0.711	0.841	0.844
z_global_health_1	1.04e-16	1.000	0.624	0.862	0.864

Correlation Heatmap



Reliability Analysis

Scale Reliability Statistics

	Mean	SD	Cronbach's $\alpha$	McDonald's $\omega$
scale	.	.	.	.

[3]

Item Reliability Statistics

Mean	SD	Item-rest correlation	If item dropped	
			Cronbach's $\alpha$	McDonald's $\omega$

Correlation Heatmap

Reliability Analysis\_Total

Scale Reliability Statistics

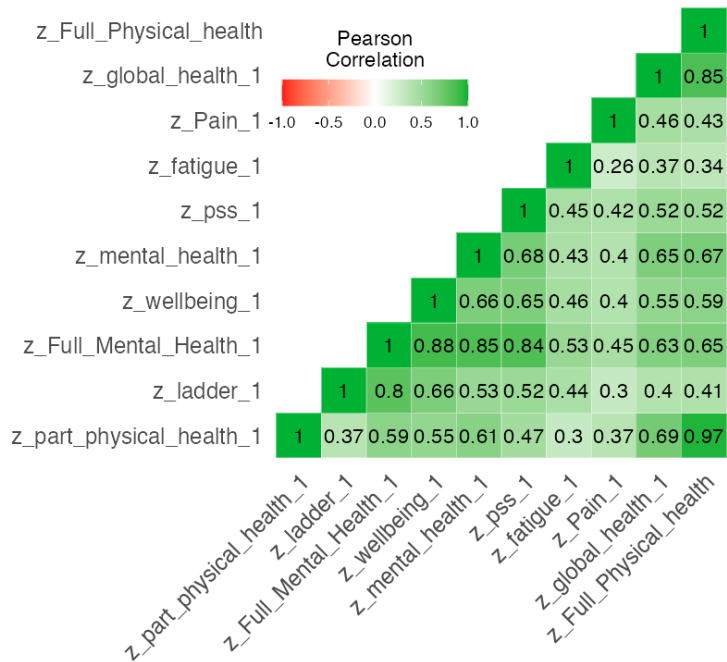
	Mean	SD	Cronbach's $\alpha$	McDonald's $\omega$
scale	0.00168	0.757	0.921	0.926

[3]

Item Reliability Statistics

	Mean	SD	Item-rest correlation	If item dropped	
				Cronbach's $\alpha$	McDonald's $\omega$
z_part_physical_health_1	0.00240	1.005	0.711	0.913	0.919
z_ladder_1	-0.00773	1.001	0.626	0.918	0.923
z_Full_Mental_Health_1	0.00269	0.848	0.921	0.903	0.907
z_wellbeing_1	0.01176	1.005	0.779	0.909	0.915
z_mental_health_1	-0.00103	1.010	0.796	0.908	0.914
z_pss_1	0.00777	1.004	0.728	0.912	0.918
z_fatigue_1	0.00819	1.003	0.497	0.925	0.929
z_Pain_1	0.00106	1.000	0.488	0.925	0.930
z_global_health_1	-0.00719	1.003	0.740	0.911	0.918
z_Full_Physical_health	-0.00116	1.005	0.791	0.908	0.915

Correlation Heatmap



Linear Regression\_TikTok\_Mental

Model Fit Measures

Model	R	R <sup>2</sup>	Adjusted R <sup>2</sup>	AIC	BIC	RMSE	Overall Model Test			
							F	df1	df2	p
1	0.206	0.0424	0.0251	564	585	0.821	2.45	4	221	0.047

Predictor	Estimate	SE	95% Confidence Interval		t	p	Stand. Estimate	95% Confidence Interval	
			Lower	Upper				Lower	Upper
Intercept	0.12698	0.08170	-0.03403	0.28799	1.554	0.122			
Activity_1_TikTok	8.16e-4	0.00212	-0.00337	0.00500	0.385	0.701	0.0310	-0.1278	0.1898
Social_Connection_1_TikTok	0.00479	0.00387	-0.00283	0.01241	1.238	0.217	0.0926	-0.0548	0.2400
Social_Activity_1_TikTok	-0.00821	0.00375	-0.01560	-8.19e-4	-2.189	0.030	-0.1947	-0.3699	-0.0194
Relaxation_1_TikTok	-0.00157	0.00156	-0.00464	0.00151	-1.004	0.316	-0.0819	-0.2425	0.0788

Assumption Checks

Collinearity Statistics

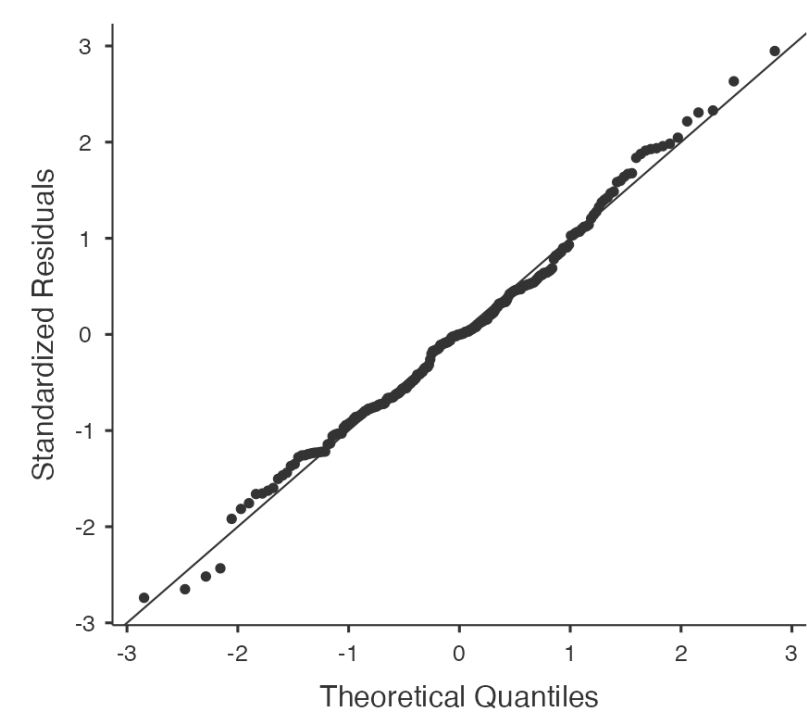
	VIF	Tolerance
Activity_1_TikTok	1.50	0.667
Social_Connection_1_TikTok	1.29	0.774
Social_Activity_1_TikTok	1.83	0.548
Relaxation_1_TikTok	1.53	0.652

[4]

Normality Test (Shapiro-Wilk)

Statistic	p
0.992	0.265

Q-Q Plot



Linear Regression\_TikTok\_FullPhysicalHealth

Model Fit Measures

Model	R	R <sup>2</sup>	Adjusted R <sup>2</sup>	AIC	BIC	RMSE	Overall Model Test			
							F	df1	df2	p
1	0.171	0.0293	0.0117	646	666	0.983	1.67	4	221	0.158

Model Coefficients - z\_Full\_Physical\_health

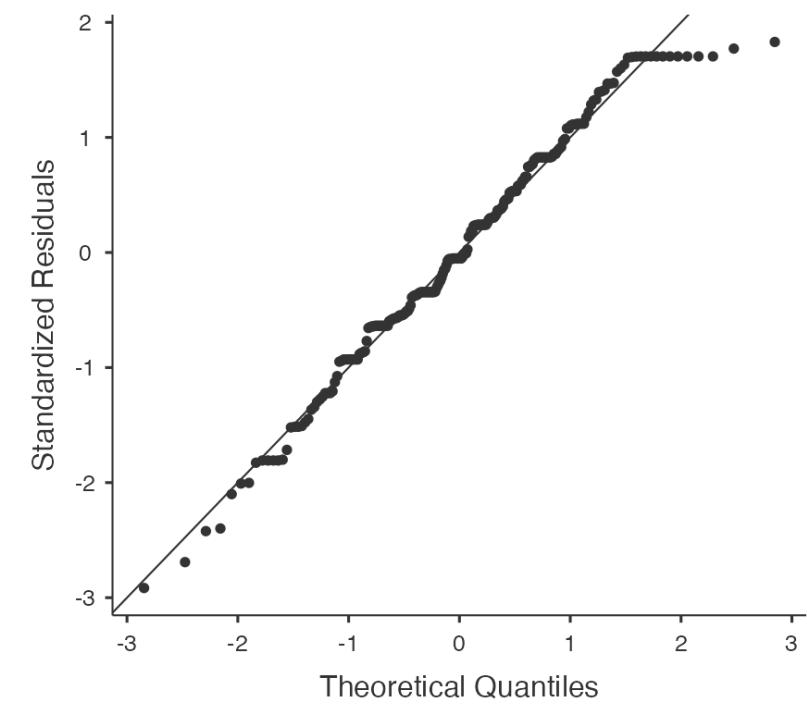
Predictor	Estimate	SE	t	p
Intercept	0.12145	0.09778	1.2421	0.216
Activity_1_TikTok	-0.00409	0.00254	-1.6080	0.109
Social_Connection_1_TikTok	0.00225	0.00463	0.4851	0.628
Social_Activity_1_TikTok	-0.00402	0.00449	-0.8948	0.372
Relaxation_1_TikTok	1.13e-4	0.00187	0.0606	0.952

Assumption Checks

Normality Test (Shapiro-Wilk)

Statistic	p
0.983	0.008

Q-Q Plot



Linear Regression\_TikTok\_Fatigue

Model Fit Measures

Model	R	R <sup>2</sup>
1	0.100	0.0101

Model Coefficients - z\_fatigue\_1

Predictor	Estimate	SE	t	p
Intercept	0.03871	0.09972	0.388	0.698
Activity_1_TikTok	-6.42e-4	0.00257	-0.250	0.803
Social_Connection_1_TikTok	-0.00166	0.00467	-0.354	0.723
Social_Activity_1_TikTok	-0.00459	0.00453	-1.013	0.312
Relaxation_1_TikTok	0.00112	0.00189	0.590	0.556

Linear Regression\_TikTok\_Pain

Model Fit Measures

Model	R	R²
1	0.0857	0.00734

Model Coefficients - z\_Pain\_1

Predictor	Estimate	SE	t	p
Intercept	0.00759	0.09922	0.0765	0.939
Activity_1_TikTok	0.00160	0.00258	0.6220	0.535
Social_Connection_1_TikTok	-0.00493	0.00474	-1.0389	0.300
Social_Activity_1_TikTok	-7.38e-4	0.00454	-0.1626	0.871
Relaxation_1_TikTok	1.23e-4	0.00190	0.0646	0.949

Linear Regression\_YouTube\_MentalHealth

Model Fit Measures

Model	R	R²	Adjusted R²	AIC	BIC	RMSE	Overall Model Test			
							F	df1	df2	p
1	0.201	0.0403	0.0185	567	591	0.822	1.85	5	220	0.105

Omnibus ANOVA Test

	Sum of Squares	df	Mean Square	F	p
Academic_1_YouTube	0.17542	1	0.17542	0.25255	0.616
Activity_1_YouTube	0.32727	1	0.32727	0.47115	0.493
Social_Connection_1_YouTube	2.66500	1	2.66500	3.83669	0.051
Social_Activity_1_YouTube	2.55103	1	2.55103	3.67260	0.057
Relaxation_1_YouTube	0.00192	1	0.00192	0.00277	0.958
Residuals	152.81422	220	0.69461		

Note. Type 3 sum of squares

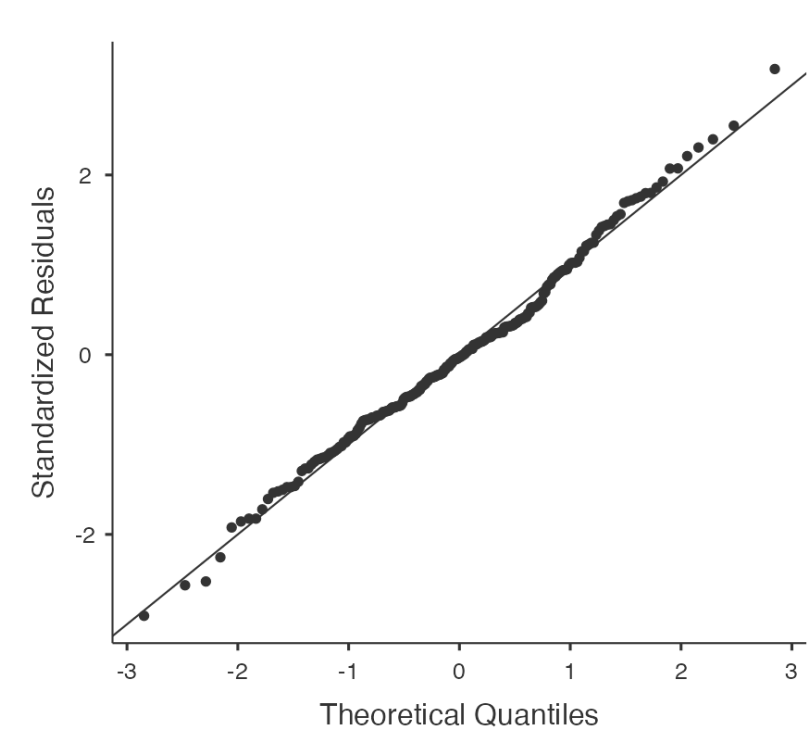
Predictor	Estimate	SE	95% Confidence Interval		t	p	Stand. Estimate	95% Confidence Interval	
			Lower	Upper				Lower	Upper
Intercept	0.05135	0.09927	-0.14429	0.24698	0.5172	0.606			
Academic_1_Youtube	-0.00132	0.00263	-0.00650	0.00386	-0.5025	0.616	-0.03388	-0.167	0.09898
Activity_1_Youtube	0.00197	0.00287	-0.00368	0.00762	0.6864	0.493	0.05501	-0.103	0.21295
Social_Connection_1_Youtube	0.01182	0.00604	-7.28e-5	0.02372	1.9587	0.051	0.13014	-8.01e-4	0.26109
Social_Activity_1_Youtube	-0.00990	0.00517	-0.02009	2.81e-4	-1.9164	0.057	-0.16030	-0.325	0.00455
Relaxation_1_Youtube	8.62e-5	0.00164	-0.00314	0.00331	0.0526	0.958	0.00420	-0.153	0.16149

Assumption Checks

Normality Test (Shapiro-Wilk)

Statistic	p
0.992	0.280

Q-Q Plot



Linear Regression\_Youtube\_PhysicalHealth

Model Fit Measures		
Model	R	R²
1	0.122	0.0149

Model Coefficients - z\_Full\_Physical\_health

Predictor	Estimate	SE	t	p
Intercept	0.09132	0.11955	0.7639	0.446
Academic_1_Youtube	-2.57e-4	0.00317	-0.0812	0.935
Activity_1_YouTube	9.26e-5	0.00345	0.0268	0.979
Social_Connection_1_YouTube	0.00662	0.00727	0.9100	0.364
Social_Activity_1_YouTube	-0.00651	0.00622	-1.0451	0.297
Relaxation_1_YouTube	-6.27e-4	0.00197	-0.3178	0.751

## Linear Regression\_Youtube\_Fatigue

Model Fit Measures

Model	R	R²
1	0.139	0.0194

Model Coefficients - z\_fatigue\_1

Predictor	Estimate	SE	t	p
Intercept	0.13510	0.12016	1.124	0.262
Academic_1_Youtube	-0.00222	0.00316	-0.704	0.482
Activity_1_YouTube	8.62e-4	0.00345	0.250	0.803
Social_Connection_1_YouTube	-0.00274	0.00820	-0.334	0.739
Social_Activity_1_YouTube	-0.00820	0.00621	-1.320	0.188
Relaxation_1_YouTube	-8.15e-4	0.00198	-0.413	0.680

## Linear Regression\_Youtube\_Pain

Model Fit Measures

Model	R	R²
1	0.111	0.0122

Model Coefficients - z\_Pain\_1

Predictor	Estimate	SE	t	p
Intercept	-0.03656	0.12060	-0.303	0.762
Academic_1_Youtube	-0.00112	0.00317	-0.354	0.724
Activity_1_YouTube	-0.00175	0.00346	-0.505	0.614
Social_Connection_1_YouTube	-0.00208	0.00728	-0.286	0.775
Social_Activity_1_YouTube	-0.00708	0.00625	-1.133	0.259
Relaxation_1_YouTube	0.00236	0.00200	1.183	0.238

## Linear Regression\_SnapChat\_Mentalhealth

Model Fit Measures

Model	R	R²	Adjusted R²	AIC	BIC	RMSE	Overall Model Test			
							F	df1	df2	p
1	0.260	0.0675	0.0419	562	590	0.811	2.64	6	219	0.017



Omnibus ANOVA Test

	Sum of Squares	df	Mean Square	F	p
Academic_1_Snapchat	0.730	1	0.730	1.076	0.301
Activity_1_SnapChat	1.746	1	1.746	2.575	0.110
Romance_1_SnapChat	0.368	1	0.368	0.543	0.462
Social_Connection_1_SnapChat	1.484	1	1.484	2.188	0.141
Social_Activity_1_SnapChat	7.950	1	7.950	11.725	<.001
Relaxation_1_SnapChat	0.476	1	0.476	0.702	0.403
Residuals	148.490	219	0.678		

Note. Type 3 sum of squares

[4]

Model Coefficients - z\_Full\_Mental\_Health\_1

Predictor	Estimate	SE	95% Confidence Interval		t	p	Stand. Estimate	95% Confidence Interval	
			Lower	Upper				Lower	Upper
Intercept	-0.03405	0.09529	-0.22185	0.15375	-0.357	0.721			
Academic_1_Snapchat	-0.00196	0.00189	-0.00570	0.00177	-1.037	0.301	-0.0694	-0.2012	0.0624
Activity_1_SnapChat	0.01253	0.00781	-0.00286	0.02791	1.605	0.110	0.1157	-0.0264	0.2577
Romance_1_SnapChat	0.00239	0.00325	-0.00400	0.00879	0.737	0.462	0.0521	-0.0872	0.1915
Social_Connection_1_SnapChat	0.00358	0.00242	-0.00119	0.00835	1.479	0.141	0.1124	-0.0374	0.2622
Social_Activity_1_SnapChat	-0.01012	0.00295	-0.01594	-0.00429	-3.424	<.001	-0.2662	-0.4194	-0.1130
Relaxation_1_SnapChat	0.00153	0.00183	-0.00207	0.00513	0.838	0.403	0.0646	-0.0873	0.2165

Assumption Checks

Collinearity Statistics

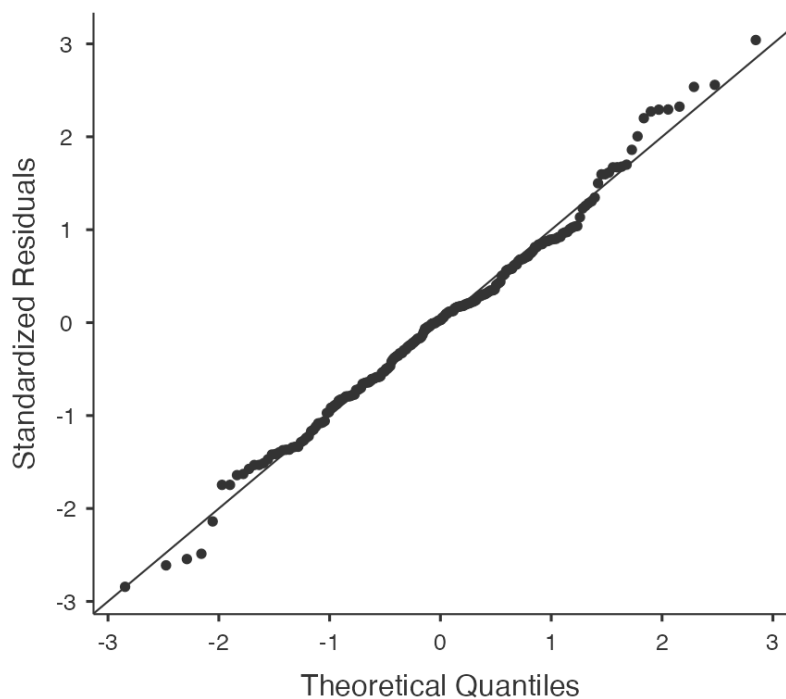
	VIF	Tolerance
Academic_1_Snapchat	1.05	0.952
Activity_1_SnapChat	1.22	0.820
Romance_1_SnapChat	1.17	0.852
Social_Connection_1_SnapChat	1.36	0.737
Social_Activity_1_SnapChat	1.42	0.705
Relaxation_1_SnapChat	1.40	0.717

[4]

Normality Test (Shapiro-Wilk)

Statistic	p
0.991	0.209

Q-Q Plot



## Linear Regression\_Snapchat\_PhysicalHealth

Model Fit Measures

Model	R	R²	Adjusted R²	AIC	BIC	RMSE	Overall Model Test			
							F	df1	df2	p
1	0.223	0.0496	0.0236	645	672	0.973	1.90	6	219	0.081

Model Coefficients - z\_Full\_Physical\_health

Predictor	Estimate	SE	95% Confidence Interval		t	p	Stand. Estimate	95% Confidence Interval	
			Lower	Upper				Lower	Upper
Intercept	-0.09056	0.11435	-0.31593	0.13480	-0.792	0.429			
Academic_1_Snapchat	-0.00167	0.00227	-0.00615	0.00281	-0.735	0.463	-0.0496	-0.18267	0.0834
Activity_1_SnapChat	0.01727	0.00937	-0.00120	0.03573	1.843	0.067	0.1341	-0.00929	0.2775
Romance_1_SnapChat	0.00332	0.00389	-0.00436	0.01099	0.852	0.395	0.0608	-0.07989	0.2015
Social_Connection_1_SnapChat	0.00358	0.00290	-0.00214	0.00931	1.235	0.218	0.0947	-0.05650	0.2460
Social_Activity_1_SnapChat	-0.00873	0.00355	-0.01572	-0.00175	-2.463	0.015	-0.1933	-0.34795	-0.0386
Relaxation_1_SnapChat	0.00216	0.00219	-0.00216	0.00648	0.986	0.325	0.0767	-0.07665	0.2301

## Assumption Checks

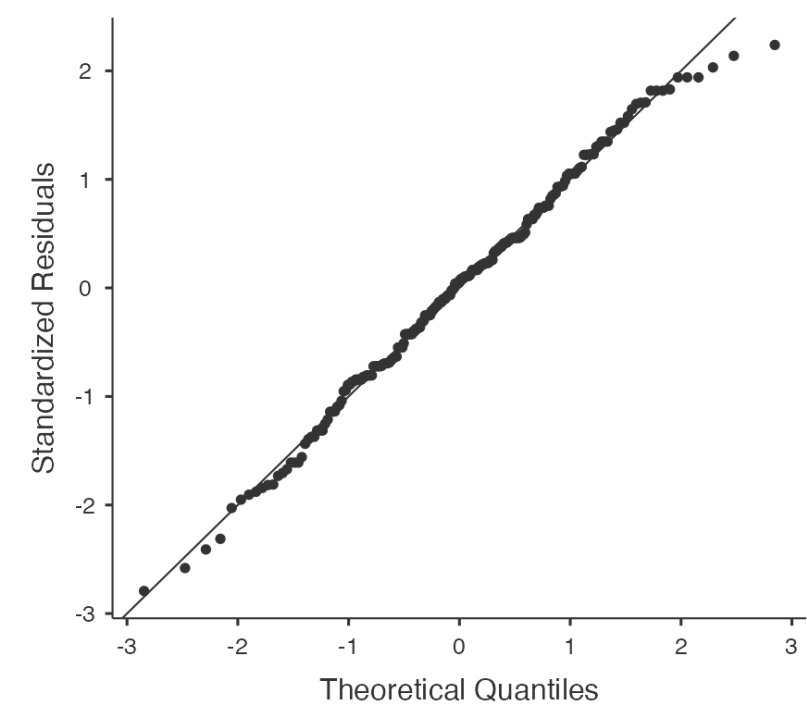
Collinearity Statistics

	VIF	Tolerance
Academic_1_Snapchat	1.05	0.952
Activity_1_SnapChat	1.22	0.820
Romance_1_SnapChat	1.17	0.852
Social_Connection_1_SnapChat	1.36	0.737
Social_Activity_1_SnapChat	1.42	0.705
Relaxation_1_SnapChat	1.40	0.717

Normality Test (Shapiro-Wilk)

Statistic	p
0.994	0.446

Q-Q Plot



Linear Regression\_Snapchat\_Fatigue

Model Fit Measures

Model	R	R²
1	0.141	0.0199

Model Coefficients - z\_fatigue\_1

Predictor	Estimate	SE	t	p
Intercept	-0.09354	0.11755	-0.7958	0.427
Academic_1_Snapchat	0.00183	0.00231	0.7913	0.430
Activity_1_SnapChat	-0.00652	0.00952	-0.6849	0.494
Romance_1_SnapChat	0.00155	0.00396	0.3914	0.696
Social_Connection_1_SnapChat	0.00423	0.00297	1.4215	0.157
Social_Activity_1_SnapChat	-0.00440	0.00360	-1.2199	0.224
Relaxation_1_SnapChat	-2.13e-4	0.00224	-0.0953	0.924

Linear Regression\_snapchat\_pain

Model Fit Measures

Model	R	R²
1	0.213	0.0453

Model Coefficients - z\_Pain\_1

Predictor	Estimate	SE	t	p
Intercept	-0.24072	0.11471	-2.099	0.037
Academic_1_Snapchat	-0.00233	0.00228	-1.020	0.309
Activity_1_SnapChat	0.00444	0.00940	0.472	0.637
Romance_1_SnapChat	-8.71e-4	0.00418	-0.209	0.835
Social_Connection_1_SnapChat	0.00689	0.00291	2.368	0.019
Social_Activity_1_SnapChat	-0.00286	0.00362	-0.791	0.430
Relaxation_1_SnapChat	0.00194	0.00221	0.877	0.382

Linear Regression\_Instagram\_MentalHealth

Model Fit Measures

Model	R	R²	Adjusted R²	AIC	BIC	RMSE	Overall Model Test			
							F	df1	df2	p
1	0.293	0.0858	0.0607	558	585	0.803	3.42	6	219	0.003

Model Coefficients - z\_Full\_Mental\_Health\_1

Predictor	Estimate	SE	95% Confidence Interval		t	p	Stand. Estimate	95% Confidence Interval	
			Lower	Upper				Lower	Upper
Intercept	0.25276	0.10919	0.03757	0.46796	2.3149	0.022			
Academic_1_Instagram	-0.00283	0.00340	-0.00953	0.00388	-0.8306	0.407	-0.05412	-0.18255	0.0743
Activity_1_Instagram	0.00387	0.00199	-5.15e-5	0.00780	1.9450	0.053	0.14620	-0.00194	0.2943
Romance_1_Instagram	-0.00404	0.00490	-0.01370	0.00562	-0.8248	0.410	-0.05481	-0.18578	0.0762
Social_Connection_1_Instagram	-1.69e-4	0.00215	-0.00441	0.00407	-0.0787	0.937	-0.00580	-0.15124	0.1396
Social_Activity_1_Instagram	-0.00917	0.00239	-0.01388	-0.00445	-3.8330	<.001	-0.30344	-0.45947	-0.1474
Relaxation_1_Instagram	-5.37e-4	0.00149	-0.00346	0.00239	-0.3618	0.718	-0.02597	-0.16744	0.1155

Assumption Checks

Collinearity Statistics

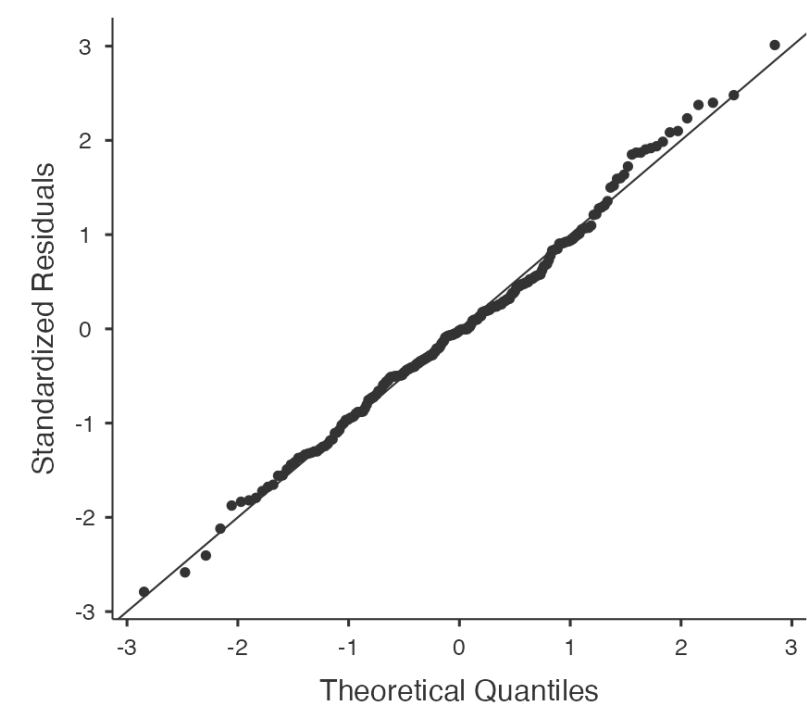
	VIF	Tolerance
Academic_1_Instagram	1.02	0.983
Activity_1_Instagram	1.35	0.739
Romance_1_Instagram	1.06	0.945
Social_Connection_1_Instagram	1.30	0.767
Social_Activity_1_Instagram	1.50	0.666
Relaxation_1_Instagram	1.23	0.810

[4]

Normality Test (Shapiro-Wilk)

Statistic	p
0.993	0.350

Q-Q Plot



Linear Regression\_Instagram\_PhysicalHealth

Model Fit Measures

Model	R	R²
1	0.172	0.0296

Model Coefficients - z\_Full\_Physical\_health

Predictor	Estimate	SE	t	p
Intercept	0.09854	0.13372	0.737	0.462
Academic_1_Instagram	-0.00350	0.00417	-0.839	0.402
Activity_1_Instagram	0.00290	0.00244	1.187	0.236
Romance_1_Instagram	-0.00396	0.00600	-0.660	0.510
Social_Connection_1_Instagram	0.00199	0.00263	0.757	0.450
Social_Activity_1_Instagram	-0.00621	0.00293	-2.122	0.035
Relaxation_1_Instagram	-7.44e-4	0.00182	-0.409	0.683

Linear Regression\_Instagram\_Fatigue

Model Fit Measures

Model	R	R²	Adjusted R²	AIC	BIC	RMSE	Overall Model Test			
							F	df1	df2	p
1	0.277	0.0766	0.0510	633	660	0.959	3.00	6	217	0.008

Omnibus ANOVA Test

	Sum of Squares	df	Mean Square	F	p
Academic_1_Instagram	0.6135	1	0.6135	0.6465	0.422
Activity_1_Instagram	0.0165	1	0.0165	0.0174	0.895
Romance_1_Instagram	1.3496	1	1.3496	1.4222	0.234
Social_Connection_1_Instagram	10.0978	1	10.0978	10.6409	0.001
Social_Activity_1_Instagram	0.0721	1	0.0721	0.0760	0.783
Relaxation_1_Instagram	0.6119	1	0.6119	0.6448	0.423
Residuals	205.9241	217	0.9490		

Note. Type 3 sum of squares

[4]

Model Coefficients - z\_fatigue\_1

Predictor	Estimate	SE	95% Confidence Interval		t	p	Stand. Estimate	95% Confidence Interval	
			Lower	Upper				Lower	Upper
Intercept	0.35043	0.13183	0.09061	0.61025	2.658	0.008			
Academic_1_Instagram	-0.00327	0.00407	-0.01128	0.00474	-0.804	0.422	-0.05290	-0.1826	0.0768
Activity_1_Instagram	-3.14e-4	0.00238	-0.00501	0.00438	-0.132	0.895	-0.00999	-0.1592	0.1392
Romance_1_Instagram	-0.00698	0.00586	-0.01852	0.00456	-1.193	0.234	-0.08002	-0.2123	0.0522
Social_Connection_1_Instagram	-0.00845	0.00259	-0.01356	-0.00335	-3.262	0.001	-0.24350	-0.3906	-0.0964
Social_Activity_1_Instagram	-7.90e-4	0.00287	-0.00644	0.00486	-0.276	0.783	-0.02195	-0.1789	0.1350
Relaxation_1_Instagram	0.00143	0.00178	-0.00208	0.00494	0.803	0.423	0.05806	-0.0844	0.2005

Assumption Checks

Collinearity Statistics

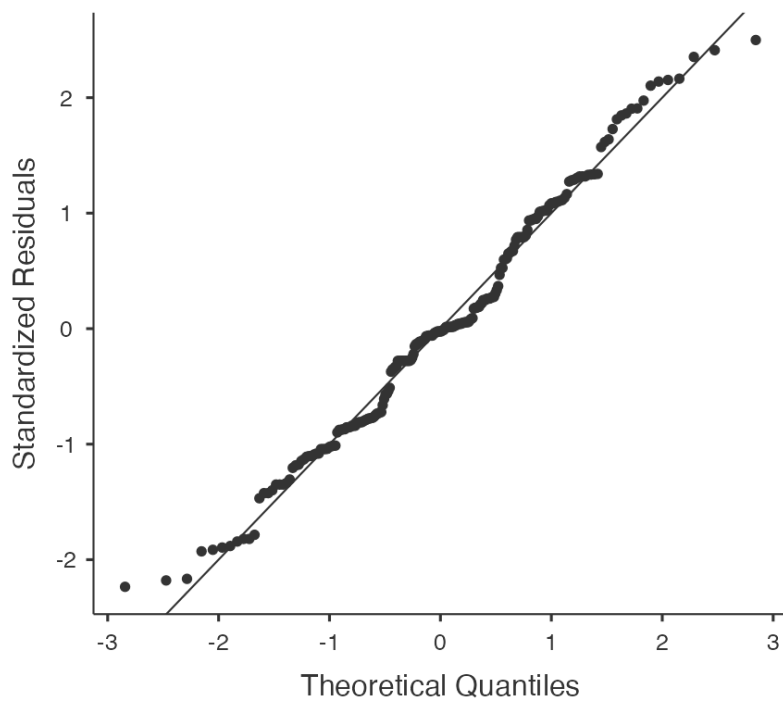
	VIF	Tolerance
Academic_1_Instagram	1.02	0.983
Activity_1_Instagram	1.35	0.743
Romance_1_Instagram	1.06	0.945
Social_Connection_1_Instagram	1.31	0.764
Social_Activity_1_Instagram	1.49	0.671
Relaxation_1_Instagram	1.23	0.814

[4]

Normality Test (Shapiro-Wilk)

Statistic	p
0.985	0.020

Q-Q Plot



Linear Regression\_Instagram\_Pain

Model Fit Measures		
Model	R	R²
1	0.120	0.0143

Model Coefficients - z_Pain_1				
Predictor	Estimate	SE	t	p
Intercept	0.12982	0.13493	0.9621	0.337
Academic_1_Instagram	-3.73e-4	0.00420	-0.0888	0.929
Activity_1_Instagram	0.00188	0.00247	0.7610	0.447
Romance_1_Instagram	0.00221	0.00605	0.3646	0.716
Social_Connection_1_Instagram	2.80e-4	0.00267	0.1052	0.916
Social_Activity_1_Instagram	-0.00245	0.00296	-0.8283	0.408
Relaxation_1_Instagram	-0.00230	0.00184	-1.2443	0.215

Linear Regression\_Groupme\_Mental

Model Fit Measures		
Model	R	R²
1	0.114	0.0131

Model Coefficients - z_Full_Mental_Health_1				
Predictor	Estimate	SE	t	p
Intercept	0.06690	0.06999	0.9559	0.340
Academic_1_GroupMe	-0.00190	0.00130	-1.4641	0.145
Social_Connection_1_GroupMe	-7.93e-5	0.00417	-0.0190	0.985
Social_Activity_1_GroupMe	-0.00235	0.00842	-0.2791	0.780

## Linear Regression\_groupme\_Physical

Model Fit Measures

Model	R	R²
1	0.138	0.0190

Model Coefficients - z\_Full\_Physical\_health

Predictor	Estimate	SE	t	p
Intercept	0.08029	0.08294	0.968	0.334
Academic_1_GroupMe	-0.00252	0.00154	-1.636	0.103
Social_Connection_1_GroupMe	0.00216	0.00494	0.437	0.663
Social_Activity_1_GroupMe	-0.00926	0.00998	-0.927	0.355

## Linear Regression\_groupme\_fatigue

Model Fit Measures

Model	R	R²
1	0.124	0.0154

Model Coefficients - z\_fatigue\_1

Predictor	Estimate	SE	t	p
Intercept	0.05834	0.08368	0.697	0.486
Academic_1_GroupMe	-0.00161	0.00154	-1.041	0.299
Social_Connection_1_GroupMe	0.00202	0.00496	0.407	0.684
Social_Activity_1_GroupMe	-0.01289	0.01000	-1.289	0.199

## Linear Regression\_groupme\_pain

Model Fit Measures

Model	R	R²
1	0.0581	0.00338

Model Coefficients - z\_Pain\_1

Predictor	Estimate	SE	t	p
Intercept	-0.01690	0.08419	-0.2008	0.841
Academic_1_GroupMe	-4.73e-4	0.00155	-0.3043	0.761
Social_Connection_1_GroupMe	0.00382	0.00499	0.7666	0.444
Social_Activity_1_GroupMe	3.89e-4	0.01006	0.0387	0.969

## Linear Regression\_Total\_MentalHealth



Model Fit Measures

Model	R	R²
1	0.293	0.0858

Model Coefficients - z\_Full\_Mental\_Health\_1

Predictor	Estimate	SE	t	p
Intercept	0.12817	0.12671	1.0115	0.313
Total_Activity_1	0.00627	0.00406	1.5434	0.124
Total_Romance_1	3.05e-4	0.00454	0.0671	0.947
Total_Social_Connection_1	0.00928	0.00544	1.7082	0.089
Total_Social_Activity_1	-0.02255	0.00555	-4.0597	<.001
Total_Relaxation_1	-0.00168	0.00262	-0.6410	0.522

Linear Regression\_Total\_PhysicalHealth

Model Fit Measures

Model	R	R²
1	0.186	0.0347

Model Coefficients - z\_Full\_Physical\_health

Predictor	Estimate	SE	t	p
Intercept	0.0572	0.15477	0.3696	0.712
Total_Activity_1	-1.10e-4	0.00496	-0.0221	0.982
Total_Romance_1	9.74e-4	0.00555	0.1755	0.861
Total_Social_Connection_1	0.0107	0.00664	1.6056	0.110
Total_Social_Activity_1	-0.0150	0.00678	-2.2074	0.028
Total_Relaxation_1	-9.90e-4	0.00320	-0.3097	0.757

Linear Regression\_Total\_Fatigue

Model Fit Measures

Model	R	R²
1	0.150	0.0226

Model Coefficients - z\_fatigue\_1

Predictor	Estimate	SE	t	p
Intercept	0.22854	0.15742	1.452	0.148
Total_Activity_1	-0.00172	0.00499	-0.344	0.731
Total_Romance_1	0.00155	0.00559	0.277	0.782
Total_Social_Connection_1	-0.00700	0.00668	-1.047	0.296
Total_Social_Activity_1	-0.00663	0.00684	-0.969	0.333
Total_Relaxation_1	6.22e-4	0.00323	0.192	0.848

Linear Regression\_Total\_pain

Model Fit Measures		
Model	R	R²
1	0.0980	0.00960

Model Coefficients - z_Pain_1				
Predictor	Estimate	SE	t	p
Intercept	-0.08201	0.15719	-0.522	0.602
Total_Activity_1	0.00178	0.00504	0.352	0.725
Total_Romance_1	0.00108	0.00581	0.186	0.853
Total_Social_Connection_1	0.00744	0.00674	1.104	0.271
Total_Social_Activity_1	-0.00772	0.00691	-1.118	0.265
Total_Relaxation_1	4.16e-4	0.00325	0.128	0.898

## Linear Regression\_SocialActivity\_total-platforms

Model Fit Measures							Overall Model Test			
Model	R	R²	Adjusted R²	AIC	BIC	RMSE	F	df1	df2	p
1	0.262	0.0686	0.0475	560	584	0.810	3.24	5	220	0.008

Model Coefficients - z_Full_Mental_Health_1									
Predictor	Estimate	SE	95% Confidence Interval		t	p	Stand. Estimate	95% Confidence Interval	
			Lower	Upper				Lower	Upper
Intercept	0.26788	0.08685	0.09671	0.43905	3.08428	0.002			
Social_Activity_1_Instagram	-0.00606	0.00270	-0.01138	-7.53e−4	-2.25024	0.025	-0.2007	-0.377	-0.0249
Social_Activity_1_YouTube	-0.00335	0.00432	-0.01187	0.00518	-0.77403	0.440	-0.0542	-0.192	0.0838
Social_Activity_1_SnapChat	-1.66e−5	0.00323	-0.00639	0.00636	-0.00512	0.996	-4.36e−4	-0.168	0.1672
Social_Activity_1_TikTok	-0.00228	0.00349	-0.00917	0.00461	-0.65241	0.515	-0.0541	-0.217	0.1092
Social_Activity_1_GroupMe	-0.00161	0.00742	-0.01623	0.01300	-0.21757	0.828	-0.0146	-0.146	0.1173

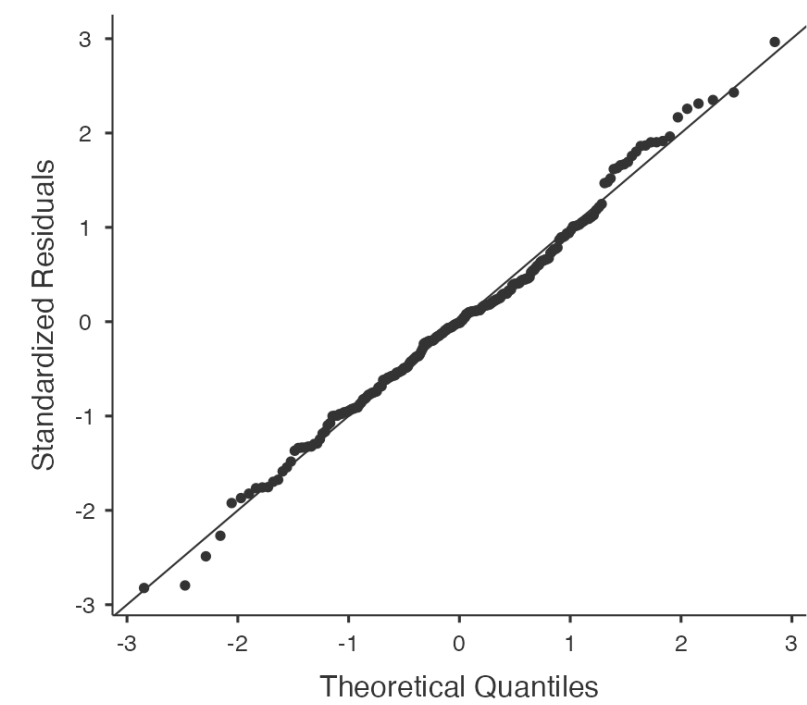
## Assumption Checks

Collinearity Statistics		
	VIF	Tolerance
Social_Activity_1_Instagram	1.88	0.532
Social_Activity_1_YouTube	1.16	0.864
Social_Activity_1_SnapChat	1.71	0.585
Social_Activity_1_TikTok	1.62	0.617
Social_Activity_1_GroupMe	1.06	0.946

Normality Test (Shapiro-Wilk)

Statistic	p
0.992	0.257

Q-Q Plot



Linear Regression\_SocialActivity\_total-platforms\_physicalhealth

Model Fit Measures

Model	R	R²	Adjusted R²	AIC	BIC	RMSE	Overall Model Test			
							F	df1	df2	p
1	0.172	0.0297	0.00762	648	671	0.983	1.35	5	220	0.246

Omnibus ANOVA Test

	Sum of Squares	df	Mean Square	F	p
Social_Activity_1_YouTube	0.672	1	0.672	0.677	0.412
Social_Activity_1_SnapChat	0.155	1	0.155	0.157	0.693
Social_Activity_1_Instagram	0.422	1	0.422	0.425	0.515
Social_Activity_1_TikTok	1.355	1	1.355	1.366	0.244
Social_Activity_1_GroupMe	1.167	1	1.167	1.176	0.279
Residuals	218.323	220	0.992		

Note. Type 3 sum of squares

Predictor	Estimate	SE	95% Confidence Interval		t	p	Stand. Estimate	95% Confidence Interval	
			Lower	Upper				Lower	Upper
Intercept	0.17349	0.10538	-0.03419	0.38117	1.646	0.101			
Social_Activity_1_YouTube	-0.00432	0.00525	-0.01466	0.00602	-0.823	0.412	-0.0588	-0.200	0.0820
Social_Activity_1_SnapChat	0.00155	0.00392	-0.00618	0.00928	0.396	0.693	0.0344	-0.137	0.2055
Social_Activity_1_Instagram	-0.00213	0.00327	-0.00858	0.00431	-0.652	0.515	-0.0594	-0.239	0.1201
Social_Activity_1_TikTok	-0.00495	0.00424	-0.01331	0.00340	-1.169	0.244	-0.0988	-0.265	0.0678
Social_Activity_1_GroupMe	-0.00976	0.00900	-0.02749	0.00798	-1.084	0.279	-0.0741	-0.209	0.0605

Assumption Checks

Collinearity Statistics

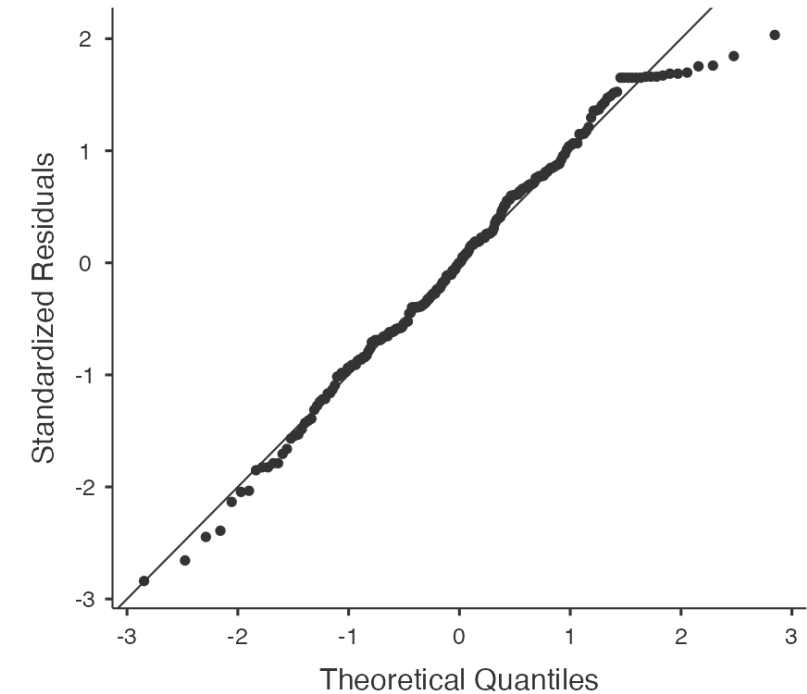
	VIF	Tolerance
Social_Activity_1_YouTube	1.16	0.864
Social_Activity_1_SnapChat	1.71	0.585
Social_Activity_1_Instagram	1.88	0.532
Social_Activity_1_TikTok	1.62	0.617
Social_Activity_1_GroupMe	1.06	0.946

[4]

Normality Test (Shapiro-Wilk)

Statistic	p
0.987	0.036

Q-Q Plot



Model Fit Measures

Model	R	R <sup>2</sup>	Adjusted R <sup>2</sup>	AIC	BIC	RMSE	Overall Model Test			
							F	df1	df2	p
1	0.226	0.0510	0.0295	564	588	0.818	2.37	5	220	0.041

Omnibus ANOVA Test

	Sum of Squares	df	Mean Square	F	p
Social_Connection_1_YouTube	3.2756	1	3.2756	4.769	0.030
Social_Connection_1_SnapChat	3.1836	1	3.1836	4.635	0.032
Social_Connection_1_TikTok	0.0817	1	0.0817	0.119	0.731
Social_Connection_1_Instagram	3.4541	1	3.4541	5.029	0.026
Social_Connection_1_GroupMe	0.2953	1	0.2953	0.430	0.513
Residuals	151.1063	220	0.6868		

Note. Type 3 sum of squares

[4]

Model Coefficients - z\_Full\_Mental\_Health\_1

Predictor	Estimate	SE	95% Confidence Interval		t	p	Stand. Estimate	95% Confidence Interval	
			Lower	Upper				Lower	Upper
Intercept	0.02990	0.10875	-0.18442	0.24422	0.275	0.784			
Social_Connection_1_YouTube	0.01308	0.00599	0.00128	0.02488	2.184	0.030	0.1439	0.0140	0.2739
Social_Connection_1_SnapChat	0.00518	0.00240	4.38e-4	0.00992	2.153	0.032	0.1626	0.0138	0.3115
Social_Connection_1_TikTok	-0.00121	0.00352	-0.00815	0.00572	-0.345	0.731	-0.0235	-0.1576	0.1107
Social_Connection_1_Instagram	-0.00490	0.00219	-0.00921	-5.94e-4	-2.243	0.026	-0.1683	-0.3162	-0.0204
Social_Connection_1_GroupMe	-0.00231	0.00352	-0.00924	0.00462	-0.656	0.513	-0.0440	-0.1761	0.0882

Linear Regression\_socialconnection\_total\_physical

Model Fit Measures

Model	R	R <sup>2</sup>
1	0.148	0.0219

Model Coefficients - z\_Full\_Physical\_health

Predictor	Estimate	SE	t	p
Intercept	-0.07213	0.13124	-0.550	0.583
Social_Connection_1_YouTube	0.00733	0.00723	1.014	0.311
Social_Connection_1_SnapChat	0.00531	0.00290	1.829	0.069
Social_Connection_1_TikTok	-0.00329	0.00425	-0.774	0.440
Social_Connection_1_Instagram	-0.00188	0.00264	-0.710	0.478
Social_Connection_1_GroupMe	-0.00305	0.00424	-0.718	0.474

Linear Regression\_socialactivity\_Pain\_Totalplatforms

Model Fit Measures		
Model	R	R <sup>2</sup>
1	0.120	0.0143

Model Coefficients - z_Pain_1					
Predictor	Estimate	SE	t	p	
Intercept	0.09275	0.10641	0.8717	0.384	
Social_Activity_1_YouTube	-0.00437	0.00531	-0.8240	0.411	
Social_Activity_1_SnapChat	0.00443	0.00398	1.1127	0.267	
Social_Activity_1_Instagram	-0.00363	0.00330	-1.1009	0.272	
Social_Activity_1_TikTok	-2.83e−4	0.00428	-0.0661	0.947	
Social_Activity_1_GroupMe	0.00414	0.00908	0.4565	0.648	

## References

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[4] Fox, J., & Weisberg, S. (2020). *car: Companion to Applied Regression*. [R package]. Retrieved from <https://cran.r-project.org/package=car>.