

## Regression

### Variables Entered/Removed<sup>a</sup>

Model	Variables Entered	Variables Removed	Method
1	ha(Avg Raw Score)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	PR6TOTAL 1	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	ns(Avg Raw Score)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	PR6TOTAL 6	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	PR6TOTAL 3	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).

a. Dependent Variable: BDI-11

### Model Summary<sup>f</sup>

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics		
					R Square Change	F Change	df1
1	.696 <sup>a</sup>	.485	.480	5.721	.485	101.747	1
2	.781 <sup>b</sup>	.609	.602	5.006	.124	34.041	1
3	.816 <sup>c</sup>	.666	.657	4.650	.057	18.021	1
4	.841 <sup>d</sup>	.707	.696	4.375	.041	14.770	1
5	.856 <sup>e</sup>	.733	.721	4.196	.026	10.148	1

### Model Summary<sup>f</sup>

Model	Change Statistics		Durbin-Watson
	df2	Sig. F Change	
1	108	.000	
2	107	.000	
3	106	.000	
4	105	.000	
5	104	.002	.027

a. Predictors: (Constant), ha(Avg Raw Score)

b. Predictors: (Constant), ha(Avg Raw Score), PR6TOTAL 1

c. Predictors: (Constant), ha(Avg Raw Score), PR6TOTAL 1, ns(Avg Raw Score)

d. Predictors: (Constant), ha(Avg Raw Score), PR6TOTAL 1, ns(Avg Raw Score), PR6TOTAL 6

e. Predictors: (Constant), ha(Avg Raw Score), PR6TOTAL 1, ns(Avg Raw Score), PR6TOTAL 6, PR6TOTAL 3

f. Dependent Variable: BDI-11

# ANOVA<sup>a</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3330.153	1	3330.153	101.747	.000 <sup>b</sup>
	Residual	3534.802	108	32.730		
	Total	6864.955	109			
2	Regression	4183.300	2	2091.650	83.458	.000 <sup>c</sup>
	Residual	2681.654	107	25.062		
	Total	6864.955	109			
3	Regression	4572.958	3	1524.319	70.497	.000 <sup>d</sup>
	Residual	2291.997	106	21.623		
	Total	6864.955	109			
4	Regression	4855.599	4	1213.900	63.433	.000 <sup>e</sup>
	Residual	2009.355	105	19.137		
	Total	6864.955	109			
5	Regression	5034.239	5	1006.848	57.197	.000 <sup>f</sup>
	Residual	1830.715	104	17.603		
	Total	6864.955	109			

a. Dependent Variable: BDI-11

b. Predictors: (Constant), ha(Avg Raw Score)

c. Predictors: (Constant), ha(Avg Raw Score), PR6TOTAL 1

d. Predictors: (Constant), ha(Avg Raw Score), PR6TOTAL 1, ns(Avg Raw Score)

e. Predictors: (Constant), ha(Avg Raw Score), PR6TOTAL 1, ns(Avg Raw Score), PR6TOTAL 6

f. Predictors: (Constant), ha(Avg Raw Score), PR6TOTAL 1, ns(Avg Raw Score), PR6TOTAL 6, PR6TOTAL 3

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-9.316	2.388		-3.901	.000
	ha(Avg Raw Score)	7.638	.757	.696	10.087	.000
2	(Constant)	12.008	4.210		2.852	.005
	ha(Avg Raw Score)	4.810	.821	.439	5.859	.000
	PR6TOTAL 1	-1.638	.281	-.437	-5.834	.000
3	(Constant)	-3.794	5.399		-.703	.484
	ha(Avg Raw Score)	5.577	.784	.509	7.116	.000
	PR6TOTAL 1	-1.512	.262	-.403	-5.762	.000
	ns(Avg Raw Score)	4.446	1.047	.245	4.245	.000
4	(Constant)	4.838	5.554		.871	.386
	ha(Avg Raw Score)	4.641	.776	.423	5.977	.000
	PR6TOTAL 1	-1.147	.265	-.306	-4.335	.000
	ns(Avg Raw Score)	4.006	.992	.221	4.038	.000
	PR6TOTAL 6	-1.096	.285	-.260	-3.843	.000
5	(Constant)	9.029	5.486		1.646	.103
	ha(Avg Raw Score)	4.247	.755	.387	5.626	.000
	PR6TOTAL 1	-1.086	.254	-.290	-4.270	.000
	ns(Avg Raw Score)	4.286	.956	.236	4.485	.000
	PR6TOTAL 6	-1.095	.273	-.259	-4.005	.000
	PR6TOTAL 3	-.729	.229	-.170	-3.186	.002

### Coefficients<sup>a</sup>

Model		95,0% Confidence Interval for B		Collinearity Statistics	
		Lower Bound	Upper Bound	Tolerance	VIF
1	(Constant)	-14.050	-4.582		
	ha(Avg Raw Score)	6.137	9.139	1.000	1.000
2	(Constant)	3.662	20.354		
	ha(Avg Raw Score)	3.183	6.438	.651	1.535
	PR6TOTAL 1	-2.194	-1.081	.651	1.535
3	(Constant)	-14.498	6.910		
	ha(Avg Raw Score)	4.023	7.130	.617	1.621
	PR6TOTAL 1	-2.032	-.992	.643	1.555
	ns(Avg Raw Score)	2.370	6.523	.946	1.057
4	(Constant)	-6.173	15.850		
	ha(Avg Raw Score)	3.101	6.180	.556	1.798
	PR6TOTAL 1	-1.671	-.622	.560	1.786
	ns(Avg Raw Score)	2.039	5.973	.933	1.071
	PR6TOTAL 6	-1.661	-.530	.611	1.636
5	(Constant)	-1.851	19.908		
	ha(Avg Raw Score)	2.750	5.744	.541	1.848
	PR6TOTAL 1	-1.591	-.582	.557	1.795
	ns(Avg Raw Score)	2.391	6.181	.925	1.081
	PR6TOTAL 6	-1.638	-.553	.611	1.636
	PR6TOTAL 3	-1.183	-.275	.905	1.105

a. Dependent Variable: BDI-11

### Excluded Variables<sup>a</sup>

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PR6TOTAL 1	-.437 <sup>b</sup>	-5.834	.000	-.491	.651	1.535
	PR6TOTAL 2	-.161 <sup>b</sup>	-2.331	.022	-.220	.964	1.037
	PR6TOTAL 3	-.170 <sup>b</sup>	-2.412	.018	-.227	.918	1.090
	PR6TOTAL4	-.278 <sup>b</sup>	-3.262	.001	-.301	.604	1.655
	PR6TOTAL 5	-.251 <sup>b</sup>	-3.113	.002	-.288	.677	1.476
	PR6TOTAL 6	-.405 <sup>b</sup>	-5.635	.000	-.478	.718	1.393
	PR6TOTAL 7	-.124 <sup>b</sup>	-1.744	.084	-.166	.932	1.072
	ns(Avg Raw Score)	.282 <sup>b</sup>	4.319	.000	.385	.958	1.044
	rd(Avg Raw Score)	-.029 <sup>b</sup>	-.420	.675	-.041	.998	1.002
	ps(Avg Raw Score)	-.145 <sup>b</sup>	-1.968	.052	-.187	.857	1.167
	co(Avg Raw Score)	-.178 <sup>b</sup>	-2.637	.010	-.247	.992	1.008
	st(Avg Raw Score)	.003 <sup>b</sup>	.037	.970	.004	1.000	1.000
2	PR6TOTAL 2	-.107 <sup>c</sup>	-1.729	.087	-.166	.940	1.063
	PR6TOTAL 3	-.145 <sup>c</sup>	-2.343	.021	-.222	.913	1.095
	PR6TOTAL4	-.162 <sup>c</sup>	-2.029	.045	-.193	.556	1.799
	PR6TOTAL 5	-.166 <sup>c</sup>	-2.252	.026	-.214	.646	1.549
	PR6TOTAL 6	-.291 <sup>c</sup>	-4.056	.000	-.367	.619	1.614
	PR6TOTAL 7	-.073 <sup>c</sup>	-1.153	.252	-.111	.913	1.095
	ns(Avg Raw Score)	.245 <sup>c</sup>	4.245	.000	.381	.946	1.057
	rd(Avg Raw Score)	-.008 <sup>c</sup>	-.132	.895	-.013	.994	1.006
	ps(Avg Raw Score)	-.099 <sup>c</sup>	-1.516	.133	-.146	.844	1.185
	co(Avg Raw Score)	-.103 <sup>c</sup>	-1.662	.099	-.159	.941	1.063
	st(Avg Raw Score)	.088 <sup>c</sup>	1.428	.156	.137	.947	1.056
3	PR6TOTAL 2	-.075 <sup>d</sup>	-1.294	.198	-.125	.924	1.083
	PR6TOTAL 3	-.170 <sup>d</sup>	-2.982	.004	-.279	.905	1.105
	PR6TOTAL4	-.103 <sup>d</sup>	-1.341	.183	-.130	.534	1.874
	PR6TOTAL 5	-.122 <sup>d</sup>	-1.735	.086	-.167	.629	1.590
	PR6TOTAL 6	-.260 <sup>d</sup>	-3.843	.000	-.351	.611	1.636
	PR6TOTAL 7	-.073 <sup>d</sup>	-1.246	.215	-.121	.913	1.095
	rd(Avg Raw Score)	-.007 <sup>d</sup>	-.123	.902	-.012	.994	1.006
	ps(Avg Raw Score)	-.046 <sup>d</sup>	-.735	.464	-.072	.806	1.241

## Excluded Variables<sup>a</sup>

Model		Collinearity ... Minimum Tolerance
1	PR6TOTAL 1	.651
	PR6TOTAL 2	.964
	PR6TOTAL 3	.918
	PR6TOTAL4	.604
	PR6TOTAL 5	.677
	PR6TOTAL 6	.718
	PR6TOTAL 7	.932
	ns(Avg Raw Score)	.958
	rd(Avg Raw Score)	.998
	ps(Avg Raw Score)	.857
	co(Avg Raw Score)	.992
	st(Avg Raw Score)	1.000
2	PR6TOTAL 2	.635
	PR6TOTAL 3	.626
	PR6TOTAL4	.518
	PR6TOTAL 5	.546
	PR6TOTAL 6	.562
	PR6TOTAL 7	.638
	ns(Avg Raw Score)	.617
	rd(Avg Raw Score)	.648
	ps(Avg Raw Score)	.611
	co(Avg Raw Score)	.618
	st(Avg Raw Score)	.617
3	PR6TOTAL 2	.612
	PR6TOTAL 3	.598
	PR6TOTAL4	.474
	PR6TOTAL 5	.505
	PR6TOTAL 6	.556
	PR6TOTAL 7	.607
	rd(Avg Raw Score)	.614
	ps(Avg Raw Score)	.564

### Excluded Variables<sup>a</sup>

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
4	co(Avg Raw Score)	-.065 <sup>d</sup>	-1.112	.269	-.108	.917	1.091
	st(Avg Raw Score)	.074 <sup>d</sup>	1.291	.200	.125	.944	1.059
	PR6TOTAL 2	-.036 <sup>e</sup>	-.636	.526	-.062	.889	1.125
	PR6TOTAL 3	-.170 <sup>e</sup>	-3.186	.002	-.298	.905	1.105
	PR6TOTAL4	-.063 <sup>e</sup>	-.861	.391	-.084	.522	1.915
	PR6TOTAL 5	-.077 <sup>e</sup>	-1.134	.259	-.111	.607	1.647
	PR6TOTAL 7	-.013 <sup>e</sup>	-.222	.825	-.022	.837	1.194
	rd(Avg Raw Score)	.013 <sup>e</sup>	.235	.815	.023	.985	1.015
	ps(Avg Raw Score)	.004 <sup>e</sup>	.059	.953	.006	.767	1.303
	co(Avg Raw Score)	-.052 <sup>e</sup>	-.933	.353	-.091	.913	1.095
	st(Avg Raw Score)	.049 <sup>e</sup>	.890	.375	.087	.929	1.076
5	PR6TOTAL 2	-.045 <sup>f</sup>	-.836	.405	-.082	.886	1.128
	PR6TOTAL4	-.051 <sup>f</sup>	-.731	.466	-.072	.521	1.921
	PR6TOTAL 5	-.047 <sup>f</sup>	-.720	.473	-.071	.594	1.683
	PR6TOTAL 7	-.010 <sup>f</sup>	-.185	.854	-.018	.837	1.194
	rd(Avg Raw Score)	.056 <sup>f</sup>	1.069	.288	.105	.925	1.081
	ps(Avg Raw Score)	.021 <sup>f</sup>	.355	.723	.035	.761	1.314
	co(Avg Raw Score)	-.016 <sup>f</sup>	-.288	.774	-.028	.870	1.149
	st(Avg Raw Score)	.066 <sup>f</sup>	1.252	.213	.122	.920	1.087



## Excluded Variables<sup>a</sup>

Model		Collinearity ... Minimum Tolerance
4	co(Avg Raw Score)	.614
	st(Avg Raw Score)	.605
	PR6TOTAL 2	.556
	PR6TOTAL 3	.541
	PR6TOTAL4	.452
	PR6TOTAL 5	.481
	PR6TOTAL 7	.555
	rd(Avg Raw Score)	.551
	ps(Avg Raw Score)	.529
	co(Avg Raw Score)	.543
	st(Avg Raw Score)	.521
5	PR6TOTAL 2	.541
	PR6TOTAL4	.444
	PR6TOTAL 5	.476
	PR6TOTAL 7	.541
	rd(Avg Raw Score)	.531
	ps(Avg Raw Score)	.518
	co(Avg Raw Score)	.538
	st(Avg Raw Score)	.520

- a. Dependent Variable: BDI-11
- b. Predictors in the Model: (Constant), ha(Avg Raw Score)
- c. Predictors in the Model: (Constant), ha(Avg Raw Score), PR6TOTAL 1
- d. Predictors in the Model: (Constant), ha(Avg Raw Score), PR6TOTAL 1, ns(Avg Raw Score)
- e. Predictors in the Model: (Constant), ha(Avg Raw Score), PR6TOTAL 1, ns(Avg Raw Score), PR6TOTAL 6
- f. Predictors in the Model: (Constant), ha(Avg Raw Score), PR6TOTAL 1, ns(Avg Raw Score), PR6TOTAL 6, PR6TOTAL 3

### Collinearity Diagnostics<sup>a</sup>

Model	Dimension	Eigenvalue	Condition Index	(Constant)	Variance Proportions	
					ha(Avg Raw Score)	PR6TOTAL 1
1	1	1.974	1.000	.01	.01	
	2	.026	8.640	.99	.99	
2	1	2.895	1.000	.00	.00	.01
	2	.097	5.474	.00	.16	.25
	3	.008	18.534	1.00	.83	.75
3	1	3.870	1.000	.00	.00	.00
	2	.097	6.329	.00	.16	.24
	3	.028	11.739	.00	.21	.28
	4	.005	27.862	1.00	.63	.47
4	1	4.812	1.000	.00	.00	.00
	2	.124	6.238	.00	.11	.07
	3	.033	12.141	.00	.07	.21
	4	.027	13.238	.00	.14	.51
	5	.004	33.296	1.00	.67	.20
5	1	5.737	1.000	.00	.00	.00
	2	.126	6.759	.00	.12	.06
	3	.075	8.739	.00	.01	.03
	4	.031	13.517	.00	.03	.39
	5	.027	14.614	.00	.16	.34
	6	.004	37.080	1.00	.68	.18

### Collinearity Diagnostics<sup>a</sup>

Model	Dimension	Variance Proportions		
		ns(Avg Raw Score)	PR6TOTAL 6	PR6TOTAL 3
1	1			
	2			
2	1			
	2			
	3			
3	1	.00		
	2	.00		
	3	.50		
	4	.50		
4	1	.00	.00	
	2	.00	.08	
	3	.17	.66	
	4	.35	.11	
	5	.48	.15	
5	1	.00	.00	.00
	2	.00	.07	.02
	3	.00	.08	.84
	4	.11	.66	.05
	5	.46	.05	.04
	6	.43	.14	.04

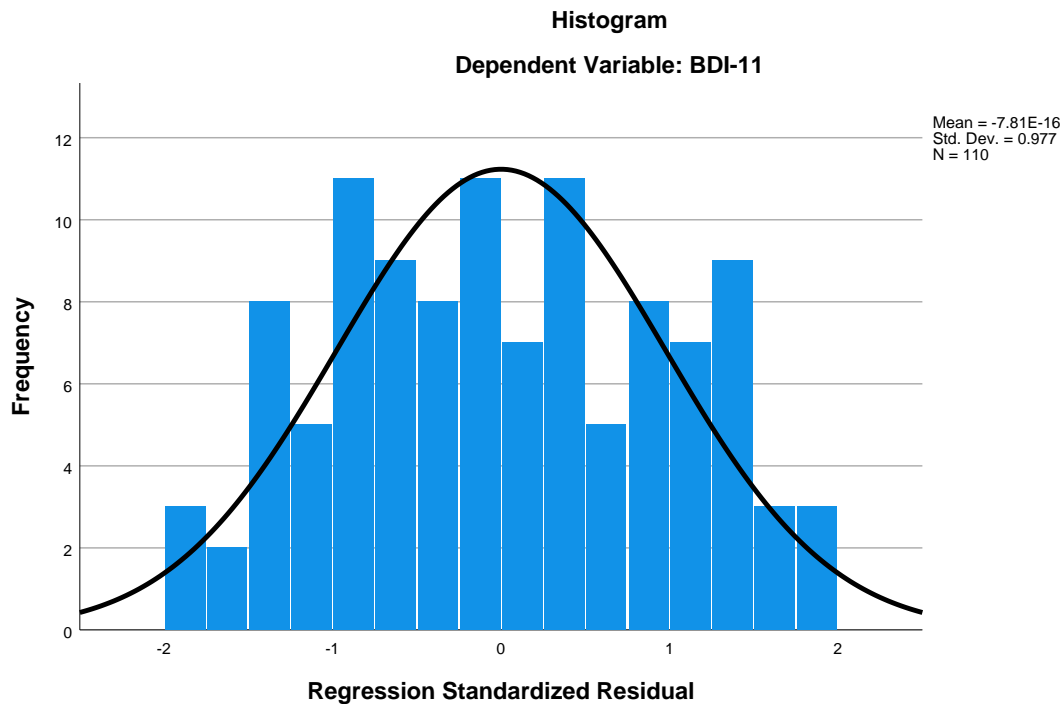
a. Dependent Variable: BDI-11

### Residuals Statistics<sup>a</sup>

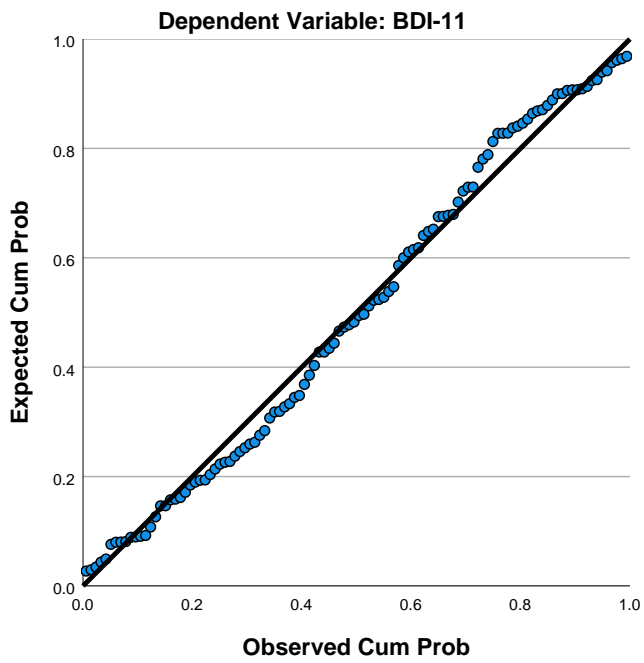
	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	-1.06	29.09	14.14	6.796	110
Std. Predicted Value	-2.236	2.201	.000	1.000	110
Standard Error of Predicted Value	.483	1.659	.945	.262	110
Adjusted Predicted Value	-1.69	29.27	14.13	6.804	110
Residual	-8.070	7.792	.000	4.098	110
Std. Residual	-1.923	1.857	.000	.977	110
Stud. Residual	-1.973	1.916	.001	1.005	110
Deleted Residual	-8.494	8.290	.006	4.337	110
Stud. Deleted Residual	-2.002	1.941	.001	1.010	110
Mahal. Distance	.453	16.054	4.955	3.229	110
Cook's Distance	.000	.046	.010	.012	110
Centered Leverage Value	.004	.147	.045	.030	110

a. Dependent Variable: BDI-11

### Charts



**Normal P-P Plot of Regression Standardized Residual**



**Scatterplot**

