

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

Run Summary Report

Item	Value	Rows	Value
Dependent Variable	IMT_Zscore	Rows Processed	117
Number Ind. Variables	8	Rows Filtered Out	0
Weight Variable	None	Rows with X's Missing	0
R ²	0.2330	Rows with Weight Missing	0
Adj R ²	0.1762	Rows with Y Missing	0
Coefficient of Variation	0.6732	Rows Used in Estimation	117
Mean Square Error	0.7437727	Sum of Weights	117.000
Square Root of MSE	0.8624226		
Ave Abs Pct Error	176.444		
Completion Status	Normal Completion		

Descriptive Statistics

Variable	Count	Mean	Standard Deviation	Minimum	Maximum
TC_HDL_Ratio	117	4.790342	1.464319	2.4	10.1
Age	117	40.54701	8.27803	21	58
BMI	117	26.71795	3.885974	20	40
WHR	117	0.5835897	0.05468502	0.44	0.8
VitD3	117	14.31718	6.361767	2.9	31.4
(Smk=1)	117	0.1282051	0.335756	0	1
(DM=1)	117	0.1196581	0.3259573	0	1
(gender="Male")	117	0.5726496	0.4968216	0	1
IMT_Zscore	117	1.281128	0.9501883	-0.868	4.057

Correlation Matrix

	TC_HDL_Ratio	Age	BMI	WHR
TC_HDL_Ratio	1.0000	-0.0402	0.0827	0.1482
Age	-0.0402	1.0000	0.0024	0.2184
BMI	0.0827	0.0024	1.0000	0.7991
WHR	0.1482	0.2184	0.7991	1.0000
VitD3	-0.0361	0.0750	-0.1888	-0.1072
(Smk=1)	0.1696	0.1451	-0.0712	0.0264
(DM=1)	0.0480	0.1033	0.1222	0.1014
(gender="Male")	0.3672	0.0175	-0.2371	-0.1937
IMT_Zscore	0.2978	0.1439	-0.0100	0.0314

Correlation Matrix (Continued)

	VitD3	(Smk=1)	(DM=1)	(gender="Male")
TC_HDL_Ratio	-0.0361	0.1696	0.0480	0.3672
Age	0.0750	0.1451	0.1033	0.0175
BMI	-0.1888	-0.0712	0.1222	-0.2371
WHR	-0.1072	0.0264	0.1014	-0.1937
VitD3	1.0000	-0.0131	-0.1453	0.0752
(Smk=1)	-0.0131	1.0000	-0.0626	0.3313
(DM=1)	-0.1453	-0.0626	1.0000	-0.0009
(gender="Male")	0.0752	0.3313	-0.0009	1.0000
IMT_Zscore	-0.1886	0.3403	0.0083	0.2543

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Correlation Matrix (Continued)

	IMT_Zscore
TC_HDL_Ratio	0.2978
Age	0.1439
BMI	-0.0100
WHR	0.0314
VitD3	-0.1886
(Smk=1)	0.3403
(DM=1)	0.0083
(gender="Male")	0.2543
IMT_Zscore	1.0000

Regression Coefficients T-Tests

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Standardized Coefficient	T-Statistic to Test H0: $\beta(i)=0$	Prob Level	Reject H0 at 5%?	Power of Test at 5%
Intercept	0.5939775	0.9648333	0.0000	0.616	0.5394	No	0.0936
TC_HDL_Ratio	0.1478523	0.06114098	0.2279	2.418	0.0173	Yes	0.6688
Age	0.01686974	0.01060579	0.1470	1.591	0.1146	No	0.3509
BMI	0.006407091	0.03680618	0.0262	0.174	0.8621	No	0.0534
WHR	-1.0806	2.674421	-0.0622	-0.404	0.6870	No	0.0686
VitD3	-0.03003244	0.01303371	-0.2011	-2.304	0.0231	Yes	0.6269
(Smk=1)	0.7014199	0.2587033	0.2479	2.711	0.0078	Yes	0.7664
(DM=1)	-0.08259955	0.2525761	-0.0283	-0.327	0.7443	No	0.0621
(gender="Male")	0.1820488	0.1902794	0.0952	0.957	0.3408	No	0.1577

Regression Coefficients Confidence Intervals

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Lower 95% Conf. Limit of $\beta(i)$	Upper 95% Conf. Limit of $\beta(i)$
Intercept	0.5939775	0.9648333	-1.318489	2.506444
TC_HDL_Ratio	0.1478523	0.06114098	0.02666033	0.2690444
Age	0.01686974	0.01060579	-0.004152769	0.03789226
BMI	0.006407091	0.03680618	-0.06654914	0.07936332
WHR	-1.0806	2.674421	-6.381766	4.220566
VitD3	-0.03003244	0.01303371	-0.05586751	-0.00419736
(Smk=1)	0.7014199	0.2587033	0.1886251	1.214215
(DM=1)	-0.08259955	0.2525761	-0.5832491	0.41805
(gender="Male")	0.1820488	0.1902794	-0.1951179	0.5592155

Note: The T-Value used to calculate these confidence limits was 1.982.

Estimated Equation

IMT_Zscore =
 0.593977520292259 + 0.147852347459094 * TC_HDL_Ratio + 0.0168697447400336 * Age + 0.00640709117058022 * BMI
 - 1.08059978350222 * WHR - 0.0300324356572889 * VitD3 + 0.701419900856917 * (Smk=1) - 0.0825995471464175 *
 (DM=1) + 0.182048814299447 * (gender="Male")

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Storage Variables

Stored Item	First Variable	Last Variable
Predicted Y	C33	

This report lists the variables on the dataset into which various statistics were stored.

Analysis of Variance

Source	DF	R ² Lost If Term(s) Removed	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (5%)
Intercept	1		192.0309	192.0309			
Model	8	0.2330	24.40406	3.050507	4.101	0.0003	0.9904
Error	108	0.7670	80.32746	0.7437727			
Total(Adjusted)	116		104.7315	0.9028579			

Analysis of Variance Detail

Source	DF	R ² Lost If Term(s) Removed	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (5%)
Intercept	1		192.0309	192.0309			
Model	8	0.2330	24.40406	3.050507	4.101	0.0003	0.9904
TC_HDL_Ratio	1	0.0415	4.349427	4.349427	5.848	0.0173	0.6688
Age	1	0.0180	1.881791	1.881791	2.530	0.1146	0.3509
BMI	1	0.0002	0.02253827	0.02253827	0.030	0.8621	0.0534
WHR	1	0.0012	0.1214257	0.1214257	0.163	0.6870	0.0686
VitD3	1	0.0377	3.948983	3.948983	5.309	0.0231	0.6269
Smk	1	0.0522	5.467547	5.467547	7.351	0.0078	0.7664
DM	1	0.0008	0.07954469	0.07954469	0.107	0.7443	0.0621
gender	1	0.0065	0.6808203	0.6808203	0.915	0.3408	0.1577
Error	108	0.7670	80.32746	0.7437727			
Total(Adjusted)	116		104.7315	0.9028579			

PRESS Report

Parameter	From PRESS Residuals	From Regular Residuals
Sum of Squared Residuals	92.75882	80.32746
Sum of Residuals	83.70827	77.56172
R ²	0.1143	0.2330

Normality Tests

Test Name	Test Statistic to Test H0: Normal	Prob Level	Reject H0 at 20%?
Shapiro Wilk	0.984	0.1673	Yes
Anderson Darling	0.379	0.4048	No
D'Agostino Skewness	2.056	0.0397	Yes
D'Agostino Kurtosis	0.772	0.4399	No
D'Agostino Omnibus	4.826	0.0896	Yes

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Serial Correlation of Residuals

Lag	Serial Correlation	Lag	Serial Correlation	Lag	Serial Correlation
1	0.0514	9	0.1596	17	-0.1612
2	-0.1406	10	0.1550	18	0.0877
3	-0.0829	11	-0.0517	19	0.1285
4	0.0199	12	-0.1099	20	0.1262
5	0.2396	13	-0.0912	21	-0.1197
6	0.0463	14	0.2062	22	-0.0770
7	-0.1282	15	0.1553	23	0.0642
8	-0.0264	16	-0.0492	24	0.0790

Above serial correlations significant if their absolute values are greater than 0.1849

Durbin-Watson Test for Serial Correlation

Parameter	Test Statistic to Test H0: $\rho(1) = 0$?	Reject H0 at 20%?
Durbin-Watson Value	1.896	
Prob. Level: Positive Serial Correlation	0.3345	No
Prob. Level: Negative Serial Correlation	0.6349	No

R² Report

Independent Variable (IV)	Total R ² for this IV and IV's Above	Increase in R ² if this IV Included with IV's Above	Decrease in R ² if this IV was Removed	R ² if this IV was Fit Alone	Partial R ² if Adjusted for All Other IV's
TC_HDL_Ratio	0.0887	0.0887	0.0415	0.0887	0.0514
Age	0.1130	0.0243	0.0180	0.0207	0.0229
BMI	0.1143	0.0013	0.0002	0.0001	0.0003
WHR	0.1156	0.0013	0.0012	0.0010	0.0015
VitD3	0.1550	0.0394	0.0377	0.0356	0.0469
(Smk=1)	0.2259	0.0709	0.0522	0.1158	0.0637
(DM=1)	0.2265	0.0006	0.0008	0.0001	0.0010
(gender="Male")	0.2330	0.0065	0.0065	0.0647	0.0084

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Variable Omission Report

Independent Variable	R ² When I.V. Omitted	MSE When I.V. Omitted	Mallow's Cp When I.V. Omitted	H0: $\beta(i)=0$ Prob Level	R ² of Regress. of This I.V. on Other I.V.'s
Full Model	0.2330	0.7437727			
TC_HDL_Ratio	0.1915	0.7768522	12.848	0.0173	0.2001
Age	0.2150	0.7542133	9.530	0.1146	0.1682
BMI	0.2328	0.7371559	7.030	0.8621	0.6866
WHR	0.2319	0.7380632	7.163	0.6870	0.7002
VitD3	0.1953	0.7731783	12.309	0.0231	0.0674
(Smk=1)	0.1808	0.7871101	14.351	0.0078	0.1502
(DM=1)	0.2323	0.7376789	7.107	0.7443	0.0540
(gender="Male")	0.2265	0.7431952	7.915	0.3408	0.2825

Sum of Squares and Correlations

Independent Variable	Sequential Sum of Squares	Incremental Sum of Squares	Last Sum of Squares	Simple Correlation	Partial Correlation
TC_HDL_Ratio	9.288053	9.288053	4.349427	0.2978	0.2266
Age	11.83729	2.549237	1.881791	0.1439	0.1513
BMI	11.97032	0.1330263	0.02253827	-0.0100	0.0167
WHR	12.10288	0.1325632	0.1214257	0.0314	-0.0389
VitD3	16.23103	4.128149	3.948983	-0.1886	-0.2165
(Smk=1)	23.66103	7.43	5.467547	0.3403	0.2524
(DM=1)	23.72324	0.06220808	0.07954469	0.0083	-0.0315
(gender="Male")	24.40406	0.6808203	0.6808203	0.2543	0.0917

Multicollinearity Report

Independent Variable	Variance Inflation Factor	R ² Versus Other I.V.'s	Tolerance	Diagonal of X'X Inverse
TC_HDL_Ratio	1.2501	0.2001	0.7999	0.005026023
Age	1.2021	0.1682	0.8318	0.0001512327
BMI	3.1905	0.6866	0.3134	0.001821383
WHR	3.3359	0.7002	0.2998	9.616548
VitD3	1.0723	0.0674	0.9326	0.0002283999
(Smk=1)	1.1767	0.1502	0.8498	0.08998366
(DM=1)	1.0571	0.0540	0.9460	0.08577172
(gender="Male")	1.3938	0.2825	0.7175	0.04867917

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Eigenvalues of Centered Correlations

No.	Eigenvalue	Incremental Percent	Cumulative Percent	Condition Number
1	2.0204	25.255	25.255	1.000
2	1.5792	19.740	44.995	1.279
3	1.1345	14.181	59.176	1.781
4	1.0448	13.060	72.236	1.934
5	0.8925	11.157	83.393	2.264
6	0.6598	8.247	91.640	3.062
7	0.5047	6.309	97.949	4.003
8	0.1641	2.051	100.000	12.313

All Condition Numbers less than 100. Multicollinearity is NOT a problem.

Eigenvector Percent of Regression-Coefficient-Variance using Centered Correlations

No.	Eigenvalue	TC_HDL_Ratio	Age	BMI
1	2.0204	0.0211	0.5417	6.2417
2	1.5792	16.2435	1.9710	0.1473
3	1.1345	7.0016	38.2865	0.0850
4	1.0448	2.1985	11.2969	1.4892
5	0.8925	11.5579	0.4566	0.0334
6	0.6598	18.5652	31.3554	1.3981
7	0.5047	41.7021	0.0097	3.0190
8	0.1641	2.7102	16.0823	87.5863

Eigenvector Percent of Regression-Coefficient-Variance using Centered Correlations (Continued)

No.	Eigenvalue	WHR	VitD3	(Smk=1)
1	2.0204	5.7563	2.3070	0.5802
2	1.5792	0.7200	0.0722	14.7940
3	1.1345	0.6337	22.8226	2.9585
4	1.0448	1.0759	10.6211	0.0373
5	0.8925	0.0523	42.9353	27.0867
6	0.6598	0.0761	18.7275	36.7329
7	0.5047	0.6633	1.1912	16.7904
8	0.1641	91.0224	1.3232	1.0200

Eigenvector Percent of Regression-Coefficient-Variance using Centered Correlations (Continued)

No.	Eigenvalue	(DM=1)	(gender="Male")
1	2.0204	1.6879	3.4157
2	1.5792	0.4316	14.2296
3	1.1345	1.9175	0.7177
4	1.0448	56.3440	0.0327
5	0.8925	16.2368	1.2106
6	0.6598	21.4132	0.0079
7	0.5047	1.5198	79.9940
8	0.1641	0.4493	0.3919

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Predicted Values with Prediction Limits of Individuals

Row	Actual IMT_Zscore	Predicted IMT_Zscore	Standard Error of Predicted	95% Lower Pred. Limit of Individual	95% Upper Pred. Limit of Individual
1	1.535	1.208228	0.8986735	-0.5730981	2.989555
2	2.769	2.193107	0.8936027	0.4218309	3.964382
3	1.055	0.9575962	0.8842677	-0.7951757	2.710368
4	1.784	1.118062	0.8837524	-0.633689	2.869812
5	0.424	0.7169951	0.8771456	-1.02166	2.45565
6	0.839	1.389194	0.9121904	-0.4189257	3.197314
7	2.585	1.498133	0.8756973	-0.2376509	3.233917
8	1.331	1.198839	0.8736661	-0.5329185	2.930597
9	0.856	1.32732	0.8800552	-0.4171027	3.071742
10	4.006	1.735938	0.8819007	-0.01214169	3.484019
11	-0.198	1.066336	0.8868623	-0.6915788	2.824251
12	0.898	1.250414	0.8719543	-0.4779504	2.978779
13	0.959	1.17268	0.899624	-0.6105308	2.955891
14	1.369	1.312293	0.8877981	-0.4474765	3.072063
15	1.771	1.251713	0.8806833	-0.4939538	2.99738
16	0.345	0.6713873	0.8938709	-1.10042	2.443194
17	1.846	0.9292575	0.8934332	-0.8416822	2.700197
18	2.673	1.235118	0.8806764	-0.5105354	2.980772
19	1.033	0.3444432	0.8994652	-1.438453	2.127339
20	0.541	1.037197	0.8837177	-0.714485	2.788879
21	0.821	0.8614652	0.9106912	-0.9436828	2.666613
22	4.057	2.423437	0.8991985	0.6410699	4.205805
23	0.715	1.030485	0.9045711	-0.7625323	2.823501
24	3.204	1.200142	0.885985	-0.5560337	2.956318
25	1.675	0.5809996	0.8927765	-1.188638	2.350638
26	0.819	0.4002982	0.912579	-1.408592	2.209188
27	-0.185	0.6695548	0.8869232	-1.088481	2.427591
28	1.761	1.65878	0.9042048	-0.1335113	3.45107
29	1.456	0.6372997	0.8794836	-1.105989	2.380589
30	2.516	1.235299	0.8757998	-0.5006885	2.971286
31	2.042	2.15054	0.9225131	0.3219588	3.979121
32	1.514	1.023108	0.9099886	-0.7806469	2.826864
33	1.381	1.212884	0.8883122	-0.5479047	2.973673
34	0.485	0.9956157	0.8953001	-0.7790246	2.770256
35	2.032	1.192885	0.8960677	-0.583277	2.969046
36	-0.501	0.96223	0.8899661	-0.8018373	2.726297
37	-0.026	0.998646	0.9040484	-0.7933348	2.790627
38	2.341	1.027279	0.8769003	-0.7108896	2.765448
39	0.148	0.4390164	0.8900948	-1.325306	2.203339
40	0.086	1.172164	0.9027331	-0.6172101	2.961537
41	-0.304	1.022979	0.8818012	-0.7249038	2.770862
42	1.042	1.165516	0.9179076	-0.6539358	2.984968
43	1.714	1.092134	0.8952091	-0.6823257	2.866594
44	3.892	1.241863	0.8988795	-0.5398725	3.023598
45	0.244	1.112033	0.8773075	-0.6269425	2.851009
46	0.104	0.5382979	0.8937476	-1.233265	2.309861
47	0.618	1.249437	0.8771012	-0.4891299	2.988003
48	1.868	1.221489	0.9046052	-0.5715956	3.014573
49	1.763	1.087461	0.8852054	-0.6671697	2.842092
50	0.125	1.010693	0.8804331	-0.7344781	2.755864

51	-0.868	0.9028648	0.8807517	-0.8429379	2.648668
52	1.375	1.108175	0.8894885	-0.654946	2.871295

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Predicted Values with Prediction Limits of Individuals

Row	Actual IMT_Zscore	Predicted IMT_Zscore	Standard Error of Predicted	95% Lower Pred. Limit of Individual	95% Upper Pred. Limit of Individual
53	1.859	0.9173457	0.8758879	-0.8188161	2.653507
54	0.522	0.6196524	0.878839	-1.122359	2.361664
55	-0.358	1.018484	0.8793498	-0.7245399	2.761508
56	0.982	1.090021	0.8977392	-0.689454	2.869496
57	0.602	1.429817	0.8984219	-0.351011	3.210645
58	0.911	0.7097147	0.8898044	-1.054032	2.473461
59	1.728	1.15031	0.8886207	-0.6110905	2.91171
60	1.298	1.909852	0.9331304	0.06022583	3.759479
61	-0.184	0.9224271	0.8991662	-0.8598764	2.704731
62	1.478	0.9535072	0.8934506	-0.8174669	2.724481
63	1.436	1.25686	0.8801609	-0.4877713	3.001492
64	1.34	2.134535	0.9053794	0.3399158	3.929154
65	1.899	2.46132	0.9005881	0.6761985	4.246442
66	0.179	1.10235	0.9001669	-0.6819363	2.886637
67	1.666	1.272758	0.8793336	-0.4702337	3.015749
68	0.665	1.067299	0.9204142	-0.7571215	2.89172
69	0.27	1.084789	0.8744855	-0.6485933	2.818171
70	1.27	1.224527	0.8833011	-0.5263293	2.975383
71	1.229	1.185808	0.8766928	-0.5519488	2.923566
72	2.445	1.015814	0.9021466	-0.7723969	2.804025
73	0.984	1.959273	0.9342201	0.1074862	3.811059
74	0.323	1.201375	0.8858453	-0.5545247	2.957274
75	0.798	0.8621926	0.8960121	-0.9138588	2.638244
76	0.333	1.098691	0.874663	-0.6350426	2.832425
77	2.561	1.851343	0.9057125	0.0560638	3.646623
78	2.023	1.768749	0.8893465	0.005909729	3.531588
79	0.584	1.091246	0.8960165	-0.6848139	2.867306
80	1.742	1.088526	0.8866267	-0.6689222	2.845974
81	2.044	2.133702	0.9023077	0.3451717	3.922233
82	2.263	1.116629	0.8850923	-0.637777	2.871036
83	0.723	1.742129	0.8945765	-0.03107685	3.515335
84	0.581	1.443747	0.8860342	-0.3125266	3.200021
85	0.746	1.669708	0.884336	-0.08319964	3.422615
86	1.452	1.26068	0.909137	-0.5413868	3.062748
87	2.619	1.173913	0.9136098	-0.6370199	2.984846
88	0.494	1.406696	0.8812739	-0.3401422	3.153533
89	1.239	1.841165	0.8976846	0.06179795	3.620531
90	0.957	1.247589	0.8897622	-0.5160736	3.011253
91	2.562	2.452688	0.9118455	0.6452518	4.260124
92	0.845	1.156189	0.8826892	-0.5934544	2.905832
93	1.806	1.469667	1.004925	-0.5222676	3.461602
94	1.153	0.7377002	0.8795925	-1.005805	2.481205
95	2.716	1.990753	0.9030481	0.2007553	3.780751
96	1.305	1.112755	0.887492	-0.6464078	2.871918
97	1.089	0.8414543	0.8790614	-0.9009979	2.583907
98	2.712	1.483277	0.8934625	-0.2877209	3.254274
99	1.96	1.650756	0.8915249	-0.1164005	3.417913
100	2.031	1.476843	0.9245967	-0.3558675	3.309555
101	-0.168	1.291719	0.8860636	-0.4646129	3.048051
102	0.041	1.462771	0.8776257	-0.2768358	3.202377

103	1.493	2.249033	0.9326192	0.4004205	4.097646
104	0.448	1.20901	0.8804883	-0.5362705	2.95429

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSS\2020_CCIMT_Data_NCSS_Final1.NCSS
 Dependent IMT_Zscore

Predicted Values with Prediction Limits of Individuals

Row	Actual IMT_Zscore	Predicted IMT_Zscore	Standard Error of Predicted	95% Lower Pred. Limit of Individual	95% Upper Pred. Limit of Individual
105	1.917	1.743774	0.8871776	-0.01476606	3.502314
106	2.206	1.734056	0.9555382	-0.1599866	3.628098
107	1.794	2.174871	0.9513534	0.2891231	4.060618
108	2.188	2.118522	0.9014671	0.3316574	3.905386
109	1.98	1.846182	0.9136376	0.03519343	3.65717
110	0.618	0.6913282	0.9035699	-1.099704	2.48236
111	0.103	0.9660984	0.879364	-0.7769536	2.709151
112	1.675	2.149622	0.9105095	0.3448343	3.95441
113	1.84	2.1515	0.8972589	0.3729773	3.930023
114	1.418	1.068873	0.884498	-0.6843557	2.822101
115	2.204	1.27309	0.8812825	-0.4737642	3.019945
116	0.519	1.166711	0.8890166	-0.5954746	2.928896
117	1.399	1.498888	0.8810042	-0.2474152	3.245191

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

Residual Report

Row	Actual IMT_Zscore	Predicted IMT_Zscore	Residual	Absolute Percent Error	Sqrt(MSE) Without This Row
1	1.535	1.208228	0.3267715	21.288	0.8658131
2	2.769	2.193107	0.5758934	20.798	0.8645103
3	1.055	0.9575962	0.09740376	9.233	0.8663893
4	1.784	1.118062	0.6659384	37.328	0.8639218
5	0.424	0.7169951	-0.292995	69.103	0.8659636
6	0.839	1.389194	-0.550194	65.577	0.8645887
7	2.585	1.498133	1.086867	42.045	0.8598433
8	1.331	1.198839	0.1321607	9.929	0.8663465
9	0.856	1.32732	-0.4713195	55.061	0.8651927
10	4.006	1.735938	2.270061	56.667	0.8368142
11	-0.198	1.066336	-1.264336	638.554	0.8572474
12	0.898	1.250414	-0.3524144	39.244	0.8657579
13	0.959	1.17268	-0.2136801	22.282	0.8661731
14	1.369	1.312293	0.05670654	4.142	0.8664248
15	1.771	1.251713	0.5192868	29.322	0.8649226
16	0.345	0.6713873	-0.3263873	94.605	0.8658224
17	1.846	0.9292575	0.9167426	49.661	0.8615388
18	2.673	1.235118	1.437882	53.793	0.8547151
19	1.033	0.3444432	0.6885568	66.656	0.8636358
20	0.541	1.037197	-0.4961968	91.718	0.8650444
21	0.821	0.8614652	-0.04046518	4.929	0.8664333
22	4.057	2.423437	1.633563	40.265	0.8505321
23	0.715	1.030485	-0.3154845	44.124	0.8658465
24	3.204	1.200142	2.003858	62.542	0.8432057
25	1.675	0.5809996	1.094	65.313	0.8594623
26	0.819	0.4002982	0.4187018	51.124	0.8653685
27	-0.185	0.6695548	-0.8545548	461.922	0.8622538
28	1.761	1.65878	0.1022206	5.805	0.8663807
29	1.456	0.6372997	0.8187003	56.229	0.8626697
30	2.516	1.235299	1.280701	50.902	0.8572633
31	2.042	2.15054	-0.1085397	5.315	0.866369
32	1.514	1.023108	0.4908916	32.423	0.8649762
33	1.381	1.212884	0.1681157	12.173	0.8662809
34	0.485	0.9956157	-0.5106156	105.282	0.8649173
35	2.032	1.192885	0.8391154	41.295	0.8623078
36	-0.501	0.96223	-1.46323	292.062	0.8540056
37	-0.026	0.998646	-1.024646	3940.946	0.8601368
38	2.341	1.027279	1.313721	56.118	0.856755
39	0.148	0.4390164	-0.2910164	196.633	0.8659545
40	0.086	1.172164	-1.086164	1262.981	0.8593788
41	-0.304	1.022979	-1.326979	436.506	0.8564366
42	1.042	1.165516	-0.1235164	11.854	0.8663484
43	1.714	1.092134	0.621866	36.282	0.8641795
44	3.892	1.241863	2.650137	68.092	0.8239443
45	0.244	1.112033	-0.8680332	355.751	0.8622227
46	0.104	0.5382979	-0.4342979	417.594	0.865344
47	0.618	1.249437	-0.6314368	102.174	0.8642136
48	1.868	1.221489	0.6465111	34.610	0.8639343
49	1.763	1.087461	0.6755391	38.318	0.8638389
50	0.125	1.010693	-0.8856931	708.554	0.8620148
51	-0.868	0.9028648	-1.770865	204.017	0.8485873

52	1.375	1.108175	0.2668254	19.405	0.866033
53	1.859	0.9173457	0.9416543	50.654	0.8614915

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

Residual Report

Row	Actual IMT_Zscore	Predicted IMT_Zscore	Residual	Absolute Percent Error	Sqrt(MSE) Without This Row
54	0.522	0.6196524	-0.09765241	18.707	0.8663898
55	-0.358	1.018484	-1.376484	384.493	0.8557368
56	0.982	1.090021	-0.1080209	11.000	0.8663746
57	0.602	1.429817	-0.8278171	137.511	0.8623936
58	0.911	0.7097147	0.2012854	22.095	0.8662096
59	1.728	1.15031	0.5776902	33.431	0.864523
60	1.298	1.909852	-0.6118522	47.138	0.8640052
61	-0.184	0.9224271	-1.106427	601.319	0.8591812
62	1.478	0.9535072	0.5244928	35.487	0.8648409
63	1.436	1.25686	0.1791397	12.475	0.8662627
64	1.34	2.134535	-0.7945348	59.294	0.8626431
65	1.899	2.46132	-0.5623204	29.611	0.8645663
66	0.179	1.10235	-0.9233505	515.838	0.8613787
67	1.666	1.272758	0.3932421	23.604	0.8655744
68	0.665	1.067299	-0.4022991	60.496	0.8654289
69	0.27	1.084789	-0.8147886	301.774	0.8627512
70	1.27	1.224527	0.04547323	3.581	0.8664315
71	1.229	1.185808	0.04319154	3.514	0.8664328
72	2.445	1.015814	1.429186	58.453	0.8541945
73	0.984	1.959273	-0.9752725	99.113	0.8602148
74	0.323	1.201375	-0.8783745	271.943	0.8620285
75	0.798	0.8621926	-0.06419265	8.044	0.8664191
76	0.333	1.098691	-0.7656912	229.937	0.8631821
77	2.561	1.851343	0.7096568	27.710	0.8634103
78	2.023	1.768749	0.2542512	12.568	0.8660709
79	0.584	1.091246	-0.5072463	86.857	0.8649346
80	1.742	1.088526	0.6534742	37.513	0.8639978
81	2.044	2.133702	-0.08970217	4.389	0.8663953
82	2.263	1.116629	1.146371	50.657	0.8589243
83	0.723	1.742129	-1.019129	140.958	0.86036
84	0.581	1.443747	-0.862747	148.493	0.8621826
85	0.746	1.669708	-0.9237077	123.821	0.8615783
86	1.452	1.26068	0.1913195	13.176	0.8662211
87	2.619	1.173913	1.445087	55.177	0.853516
88	0.494	1.406696	-0.9126956	184.756	0.8617301
89	1.239	1.841165	-0.6021645	48.601	0.864307
90	0.957	1.247589	-0.2905895	30.365	0.8659564
91	2.562	2.452688	0.1093123	4.267	0.8663702
92	0.845	1.156189	-0.3111888	36.827	0.8658947
93	1.806	1.469667	0.3363326	18.623	0.8654928
94	1.153	0.7377002	0.4152998	36.019	0.8654736
95	2.716	1.990753	0.7252467	26.703	0.8632981
96	1.305	1.112755	0.1922447	14.731	0.8662314
97	1.089	0.8414543	0.2475457	22.731	0.8660993
98	2.712	1.483277	1.228723	45.307	0.857612
99	1.96	1.650756	0.3092435	15.778	0.8658893
100	2.031	1.476843	0.5541565	27.285	0.864494
101	-0.168	1.291719	-1.459719	868.880	0.8541886
102	0.041	1.462771	-1.421771	3467.733	0.8550645
103	1.493	2.249033	-0.7560334	50.639	0.8627238
104	0.448	1.20901	-0.76101	169.868	0.8631756

105	1.917	1.743774	0.1732261	9.036	0.8662714
106	2.206	1.734056	0.4719441	21.394	0.8648866

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSS\2020_CCIMT_Data_NCSS_Final1.NCSS
 Dependent IMT_Zscore

Residual Report

Row	Actual IMT_Zscore	Predicted IMT_Zscore	Residual	Absolute Percent Error	Sqrt(MSE) Without This Row
107	1.794	2.174871	-0.3808707	21.230	0.8654437
108	2.188	2.118522	0.06947828	3.175	0.8664145
109	1.98	1.846182	0.1338183	6.759	0.8663332
110	0.618	0.6913282	-0.07332825	11.865	0.8664111
111	0.103	0.9660984	-0.8630984	837.960	0.8622496
112	1.675	2.149622	-0.474622	28.336	0.86507
113	1.84	2.1515	-0.3115002	16.929	0.8658727
114	1.418	1.068873	0.3491272	24.621	0.8657497
115	2.204	1.27309	0.9309095	42.237	0.8615395
116	0.519	1.166711	-0.6477106	124.800	0.8640261
117	1.399	1.498888	-0.09988803	7.140	0.866387

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

Regression Diagnostics

Row	Standardized Residual	RStudent	Hat Diagonal	Cook's D	Dffits	CovRatio
1	0.3962886	0.3947367	0.0858	0.0016	0.1209554	1.174
2	0.6937872	0.6921118	0.0736	0.0042	0.1951034	1.127
3	0.1159555	0.1154246	0.0513	0.0001	0.02684099	1.145
4	0.7922634	0.7908886	0.0501	0.0037	0.1815884	1.086
5	-0.3457398	-0.344326	0.0344	0.0005	-0.06502449	1.115
6	-0.6795865	-0.6778839	0.1187	0.0069	-0.2488344	1.187
7	1.280263	1.284103	0.0310	0.0058	0.2297601	0.978
8	0.1552949	0.1545915	0.0262	0.0001	0.02537913	1.114
9	-0.5581564	-0.5563694	0.0413	0.0015	-0.1154903	1.105
10	2.694453	2.776909	0.0457	0.0386	0.6075488	0.609
11	-1.51007	-1.519186	0.0575	0.0155	-0.375166	0.952
12	-0.4132515	-0.4116594	0.0222	0.0004	-0.06206639	1.096
13	-0.2594647	-0.2583412	0.0881	0.0007	-0.08031491	1.186
14	0.06780829	0.06749507	0.0597	0.0000	0.01700887	1.156
15	0.6154387	0.6136598	0.0428	0.0019	0.1297554	1.101
16	-0.3933404	-0.3917959	0.0743	0.0014	-0.1109665	1.159
17	1.10417	1.105303	0.0732	0.0107	0.3106488	1.059
18	1.704108	1.719475	0.0428	0.0144	0.3635029	0.889
19	0.8359154	0.8347412	0.0877	0.0075	0.2588894	1.124
20	-0.5902971	-0.588508	0.0500	0.0020	-0.1350046	1.112
21	-0.04987774	-0.04964686	0.1151	0.0000	-0.01790267	1.228
22	1.982462	2.010177	0.0871	0.0417	0.6209282	0.853
23	-0.3856281	-0.3841032	0.1001	0.0018	-0.1281289	1.193
24	2.390673	2.445157	0.0554	0.0372	0.5920951	0.706
25	1.316549	1.321084	0.0716	0.0149	0.3669614	1.013
26	0.5174503	0.5156888	0.1197	0.0040	0.1901577	1.208
27	-1.020723	-1.020923	0.0576	0.0071	-0.2524568	1.057
28	0.1248861	0.1243155	0.0992	0.0002	0.04126379	1.206
29	0.9688564	0.9685789	0.0400	0.0043	0.1975989	1.047
30	1.508776	1.517856	0.0313	0.0082	0.2726737	0.927
31	-0.1360456	-0.1354259	0.1442	0.0003	-0.05559188	1.269
32	0.6044903	0.6027057	0.1133	0.0052	0.2154961	1.189
33	0.20116	0.2002641	0.0609	0.0003	0.05101635	1.154
34	-0.6165061	-0.6147279	0.0777	0.0036	-0.1784231	1.142
35	1.014146	1.014281	0.0795	0.0099	0.298173	1.084
36	-1.754536	-1.771828	0.0649	0.0237	-0.4667629	0.896
37	-1.251578	-1.254904	0.0989	0.0191	-0.4156513	1.058
38	1.549752	1.560004	0.0339	0.0094	0.2920282	0.919
39	-0.3490106	-0.3475871	0.0652	0.0009	-0.09179882	1.151
40	-1.324375	-1.329066	0.0957	0.0206	-0.4322778	1.038
41	-1.574865	-1.585873	0.0454	0.0131	-0.3460267	0.924
42	-0.1537969	-0.1531	0.1328	0.0004	-0.05991512	1.251
43	0.7507381	0.7492118	0.0775	0.0053	0.2171238	1.124
44	3.214801	3.364933	0.0863	0.1085	1.034354	0.481
45	-1.024498	-1.024736	0.0348	0.0042	-0.1946261	1.032
46	-0.5233034	-0.5215366	0.0740	0.0024	-0.147394	1.148
47	-0.7450671	-0.7435231	0.0343	0.0022	-0.1401901	1.075
48	0.7902904	0.7889075	0.1002	0.0077	0.2632844	1.147
49	0.8051512	0.8038311	0.0535	0.0041	0.1911699	1.088
50	-1.049365	-1.049861	0.0422	0.0054	-0.2203782	1.035
51	-2.098938	-2.13316	0.0430	0.0220	-0.4519377	0.781

CCIMT Determinants: Mantha et al: Initial Multivariable Linear Regression Analysis for 8 Variables

52	0.3197508	0.3184177	0.0638	0.0008	0.08309007	1.152
53	1.109468	1.110667	0.0315	0.0044	0.2002071	1.013

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL\2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

Regression Diagnostics

Row	Standardized Residual	RStudent	Hat Diagonal	Cook's D	Dffits	CovRatio
54	-0.115471	-0.1149423	0.0384	0.0001	-0.02297946	1.130
55	-1.628674	-1.641398	0.0396	0.0122	-0.3334765	0.905
56	-0.1308399	-0.130243	0.0836	0.0002	-0.0393326	1.185
57	-1.003593	-1.003626	0.0852	0.0104	-0.3063394	1.093
58	0.2413081	0.2402532	0.0645	0.0004	0.06308921	1.157
59	0.6915104	0.6898304	0.0617	0.0035	0.1768598	1.113
60	-0.7790579	-0.7776308	0.1707	0.0139	-0.3528007	1.246
61	-1.342682	-1.347748	0.0870	0.0191	-0.4161044	1.024
62	0.6317395	0.629973	0.0732	0.0035	0.1771103	1.135
63	0.2121725	0.2112319	0.0416	0.0002	0.0439855	1.130
64	-0.9722518	-0.9720033	0.1021	0.0119	-0.3277677	1.119
65	-0.6836821	-0.6819869	0.0905	0.0052	-0.2150846	1.150
66	-1.122002	-1.123362	0.0894	0.0137	-0.352085	1.075
67	0.4652798	0.4635856	0.0396	0.0010	0.09413727	1.112
68	-0.5027235	-0.5009771	0.1390	0.0045	-0.2012965	1.237
69	-0.9583623	-0.9579973	0.0282	0.0030	-0.1631035	1.036
70	0.05406876	0.05381859	0.0490	0.0000	0.01221689	1.143
71	0.05093869	0.05070292	0.0334	0.0000	0.009420222	1.125
72	1.741257	1.75803	0.0942	0.0351	0.5670825	0.929
73	-1.243846	-1.247039	0.1734	0.0361	-0.5712236	1.155
74	-1.047747	-1.048226	0.0551	0.0071	-0.2530198	1.050
75	-0.07757695	-0.07721911	0.0794	0.0001	-0.02267969	1.181
76	-0.9008068	-0.9000142	0.0286	0.0027	-0.1543958	1.046
77	0.8687813	0.8677875	0.1029	0.0096	0.2939184	1.138
78	0.3046272	0.303344	0.0634	0.0007	0.07893112	1.152
79	-0.6130117	-0.6112314	0.0794	0.0036	-0.1795351	1.145
80	0.7802497	0.7788273	0.0569	0.0041	0.191334	1.096
81	-0.1093127	-0.1088115	0.0946	0.0001	-0.03517932	1.200
82	1.366124	1.371688	0.0533	0.0117	0.3253523	0.982
83	-1.229314	-1.232261	0.0760	0.0138	-0.3532965	1.037
84	-1.029351	-1.029638	0.0555	0.0069	-0.2496059	1.053
85	-1.099733	-1.100811	0.0515	0.0073	-0.256411	1.036
86	0.2353171	0.2342852	0.1113	0.0008	0.08289769	1.218
87	1.788476	1.807139	0.1222	0.0495	0.6743519	0.945
88	-1.082483	-1.083353	0.0442	0.0060	-0.2329545	1.031
89	-0.7293164	-0.7277263	0.0834	0.0054	-0.2195795	1.135
90	-0.3483503	-0.3469288	0.0644	0.0009	-0.09102549	1.150
91	0.1349551	0.1343402	0.1179	0.0003	0.04911342	1.231
92	-0.3697286	-0.368246	0.0476	0.0008	-0.08228102	1.129
93	0.4866359	0.4849096	0.3578	0.0147	0.3619253	1.660
94	0.4915349	0.4898022	0.0402	0.0011	0.1002589	1.110
95	0.8846777	0.8837805	0.0964	0.0093	0.2887177	1.127
96	0.2297922	0.2287818	0.0590	0.0004	0.05727732	1.150
97	0.2927953	0.2915524	0.0390	0.0004	0.05870108	1.123
98	1.479992	1.488294	0.0733	0.0192	0.4185062	0.976
99	0.3715514	0.3700639	0.0686	0.0011	0.1004538	1.154
100	0.6966987	0.6950293	0.1494	0.0095	0.2912627	1.227
101	-1.741669	-1.758458	0.0556	0.0198	-0.4265717	0.891
102	-1.678702	-1.693147	0.0356	0.0115	-0.3251513	0.889
103	-0.9618971	-0.9615612	0.1694	0.0210	-0.4342698	1.212
104	-0.9017022	-0.9009156	0.0423	0.0040	-0.189418	1.061

CCIMT Determinants: Mantha et al: Initial Multivariable Linear Regression Analysis for 8 Variables

105	0.2069765	0.206057	0.0582	0.0003	0.05123849	1.150
106	0.6226564	0.6208825	0.2276	0.0127	0.3370318	1.363

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSSL
 Dependent IMT_Zscore

Regression Diagnostics

Row	Standardized Residual	RStudent	Hat Diagonal	Cook's D	Dffits	CovRatio
107	-0.4990452	-0.4973032	0.2169	0.0077	-0.2616987	1.360
108	0.08457238	0.08418272	0.0926	0.0001	0.0268917	1.198
109	0.1656233	0.1648757	0.1223	0.0004	0.06154462	1.236
110	-0.0895108	-0.08909874	0.0977	0.0001	-0.02931841	1.204
111	-1.021247	-1.021452	0.0397	0.0048	-0.207616	1.038
112	-0.5848763	-0.5830864	0.1146	0.0049	-0.2098013	1.194
113	-0.3770647	-0.3755623	0.0824	0.0014	-0.1125571	1.171
114	0.4157429	0.4141452	0.0518	0.0011	0.09684665	1.130
115	1.104097	1.105229	0.0442	0.0063	0.2377156	1.027
116	-0.7757181	-0.7742785	0.0626	0.0045	-0.2001288	1.103
117	-0.1184305	-0.1178886	0.0436	0.0001	-0.02515736	1.136

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

DFBETAS Report

Row	TC_HDL_Ratio	Age	BMI	WHR	VitD3
1	0.009245727	-0.05907809	0.03889174	-0.05632184	-0.01471255
2	0.03361282	-0.02173812	0.007143497	-0.02644895	-0.01284456
3	0.003154027	0.0109151	-0.006551991	0.005649878	0.01123697
4	-0.001546835	0.04467467	-0.09418251	0.02975443	-0.05128479
5	0.01921061	0.02353623	0.007458497	0.003386853	-0.00997485
6	0.006753126	-0.11871	0.009740506	0.009161795	-0.04194934
7	0.04607205	0.05696825	0.08737059	-0.04114188	-0.0342283
8	-0.001997097	-0.004236497	-0.003135651	0.008359203	0.005812513
9	-0.0145598	-0.06686376	-0.01105189	0.005763934	0.04033866
10	0.109653	0.2127977	0.009637238	-0.004684318	-0.3811078
11	-0.1898635	-0.04287877	0.1359276	-0.05835822	-0.1410384
12	0.003889565	0.001796272	-0.01093811	0.002520571	-0.007482338
13	0.001146203	-0.04700274	-0.04738657	0.0212916	-0.008887439
14	8.923343E-05	0.004238761	-0.008551079	0.008871071	-0.00776334
15	0.02421671	0.03075714	0.04447502	-0.07059543	-0.05291502
16	0.02247543	0.03197197	-0.01786361	0.01437852	-0.08417453
17	0.02258858	0.04393673	-0.01959199	-0.0267389	0.2329278
18	-0.04792356	0.1019964	0.1040302	0.02574923	0.1098478
19	-0.09555075	-0.1057766	-0.1109743	0.1403352	0.1421494
20	0.05956175	0.009231691	0.07843232	-0.0770001	-0.01349399
21	-0.0003631255	0.00564398	-0.001951957	0.008965097	0.002656614
22	0.06340658	0.2536129	-0.03934436	-0.00787631	-0.1351639
23	0.0464236	-0.002362747	0.01580184	-0.01242032	-0.01959094
24	0.09925909	-0.295823	-0.0902228	0.1715484	-0.2610549
25	-0.1126718	0.05917723	0.2179666	-0.1969009	0.1830004
26	-0.02459852	-0.004618124	0.02294571	-0.08729734	0.09890824
27	0.07493625	0.09981035	-0.09643168	6.629238E-05	-0.07313623
28	-0.02150743	-0.00487337	-0.0003164091	-0.0007504706	0.003422434
29	-0.07797667	-0.0131646	0.03890271	-0.05708671	0.07125735
30	0.03108862	-0.06819829	0.06859958	-0.1058505	0.02035445
31	0.01864678	-0.01680679	-0.004172185	0.01753297	0.02000156
32	-0.0857596	0.01780671	-0.01599259	0.01131487	-0.06762332
33	-0.003210822	0.01269562	-0.03043799	0.01846159	-0.02237947
34	0.08634797	0.09157144	0.07089197	-0.0382394	0.05617717
35	-0.0989515	-0.1234856	0.1192674	-0.06536493	-0.09974222
36	0.1957415	-0.008153508	-0.256909	0.1298005	0.1334358
37	0.007347771	0.1165586	0.06529832	0.1154768	0.1538395
38	-0.08955455	-0.0232883	0.06541672	-0.01450209	-0.1141708
39	0.04771013	0.05118345	0.02475436	-0.04253857	-0.03006864
40	0.07877755	-0.05469573	0.03210661	-0.03463133	0.1204365
41	0.2198519	0.1254942	0.09626278	-0.1192445	0.06452987
42	0.02880945	0.0007422795	0.01972819	-0.01418153	0.01539183
43	-0.09995712	-0.06076723	0.1031857	-0.07455032	-0.05398604
44	-0.2244548	0.4996221	-0.06274596	0.3463478	0.2591908
45	-0.03223189	0.08397505	-0.001362969	0.0103543	-0.079431
46	0.05189949	0.04590991	0.04141675	-0.08834479	-0.06658129
47	0.06273356	-0.04624193	0.01392443	-0.01365455	0.02378247
48	-0.04035309	-0.008825439	0.08989306	-0.09205765	0.007050825
49	-0.1100433	-0.03811367	0.01039159	-0.03044816	-0.06259099
50	0.003459673	0.06877312	-0.08347443	0.08245966	0.05467035
51	0.183453	-0.06918849	-0.1965968	0.2106061	0.08194446
52	-0.02002812	0.04741041	0.01755575	-0.03120626	0.02645282

CCIMT Determinants: Mantha et al: Initial Multivariable Linear Regression Analysis for 8 Variables

53	-0.03719064	-0.06503042	-0.05756562	0.01784463	-0.04654668
54	0.009635076	0.009108092	0.005687072	-0.007891251	-0.007856441
55	0.102764	-0.1365226	-0.02299745	-0.05501234	0.02195386
56	0.01369229	-0.005722053	-0.01282924	-0.005132398	0.01033325
57	0.1169326	-0.197433	-0.02170606	-0.02519564	0.06732911
58	0.01665069	-0.005541274	0.002416474	-0.002161486	0.04914611
59	-0.09308817	0.09638891	0.02097899	-0.02125735	0.001619208
60	0.1354554	0.08597886	-0.03823404	-0.1196799	0.03109362
61	-0.03417094	-0.09078346	-0.1211564	0.1056172	-0.3410807
62	-0.02478495	0.005207345	-0.09385507	0.08622673	0.08938918
63	0.006533242	0.01803901	0.01445295	-0.002517148	-0.006735411

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

DFBETAS Report (Continued)

Row	(Smk=1)	(DM=1)	(gender ="Male")	Intercept
1	-0.00968851	-0.008527759	0.02665909	0.07858352
2	0.1645617	-0.01097218	-0.01730702	0.03960881
3	-0.002551059	-0.003461155	-0.01264078	-0.007928204
4	-0.01458411	-0.0256779	-0.09081651	0.0560993
5	-0.005612659	0.004030072	0.03076111	-0.0335577
6	0.05000709	-0.1699996	-0.05561842	0.03859539
7	-0.09567464	-0.07425312	0.1216327	-0.05340986
8	-0.01076554	-0.005307776	0.01563087	-0.008988117
9	0.01453108	0.03518255	0.0483668	0.01695495
10	-0.2499136	-0.1965984	0.2537991	-0.04886432
11	0.02165257	0.02922149	0.2425745	0.01887678
12	0.02665574	0.01589135	-0.04032074	0.006495816
13	0.005297068	0.01937107	0.01325933	0.03182258
14	-0.002651721	-0.003879657	-0.005502674	-0.004683751
15	0.00112603	-0.02989995	-0.06785765	0.07139614
16	0.01405214	-0.001420201	-0.03671032	-0.009248824
17	-0.06782228	-0.005446707	0.05934016	-0.003695002
18	-0.1332128	-0.08622607	0.2121716	-0.2030966
19	0.005799096	0.007051887	-0.05316209	-0.05298668
20	0.04643783	0.01414361	-0.0698811	0.02627323
21	-0.002260011	0.0001923514	0.007318006	-0.01659005
22	0.4147532	-0.08362252	-0.01772402	-0.04686427
23	0.01798023	-0.1037571	-0.0458135	-0.0005516683
24	-0.004571074	-0.1064693	-0.2201999	0.01424212
25	0.03324307	-0.02799842	-0.0890897	0.08906344
26	0.02144705	0.01024331	-0.07216556	0.1195167
27	-0.01974313	0.02845257	0.04393036	0.03188142
28	0.03135553	9.734332E-05	0.006310979	0.008782533
29	0.01765684	-0.01371021	-0.07551374	0.08435505
30	-0.07460891	-0.04255112	0.1088426	0.1217204
31	-0.03276132	0.004216559	-0.003699734	-0.02585428
32	0.007458153	0.1505447	-0.02852696	0.03231178
33	-0.006061492	-0.00864476	-0.01989619	0.005108325
34	0.03019146	0.008608132	-0.07373164	-0.08615896
35	-0.04036105	-0.04691304	0.1499561	0.08254255
36	-0.0161517	0.1010593	0.04109094	-0.05096523
37	-0.0321446	0.01649388	0.17307	-0.3663472
38	0.0007226657	-0.07339081	-0.08597597	0.0405402
39	-0.004930942	0.001492683	0.01478196	0.007808779
40	-0.00669769	-0.3222433	0.09516636	-0.01063208
41	0.09672002	0.04517104	-0.2231592	-0.0323085
42	0.008921446	-0.04049505	-0.02208731	-0.007019727
43	-0.02781189	-0.03202887	0.1151902	0.07820512
44	-0.3529969	-0.194042	0.4795669	-0.710049
45	0.05151671	0.01714034	-0.06853335	-0.03017861
46	0.00221239	0.007760294	0.02243817	0.07036456
47	0.05768269	0.03360686	-0.09044366	0.006261472
48	-0.0213817	0.203134	0.08130175	0.06365925
49	-0.04002212	-0.02586081	0.105672	0.09772535
50	-0.01933384	0.03747627	0.0919976	-0.1096826
51	-0.02366272	0.08467261	0.1294443	-0.2141268
52	-0.02201425	-0.01074381	0.03034969	0.01259985

53	0.006476281	-0.0257954	-0.1025389	0.09987041
54	-0.0009310933	0.001391886	0.007604613	-0.0002619457
55	0.0321849	0.08542632	0.08239937	0.1119541
56	0.002266128	0.009735653	0.0001605807	0.01633333
57	0.1044189	0.07616991	-0.1599391	0.1064308
58	0.002206363	-0.00131346	-0.03191067	-0.005589513
59	-0.05451737	-0.03325935	0.09659576	-0.004564287
60	-0.1863939	0.03358005	-0.1011382	0.1573693
61	0.07769417	0.02035969	-0.0950174	0.06608375
62	-0.05168904	-0.006874986	0.05480869	-0.05510896
63	-0.004145362	-0.01337056	-0.01599782	-0.01536324

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

DFBETAS Report (Continued)

Row	TC_HDL_Ratio	Age	BMI	WHR	VitD3
64	0.09496896	-0.141048	-0.09073209	0.08219838	0.0379948
65	-0.02218748	-0.09626422	-0.0009912018	0.008163885	0.0500237
66	-0.05366748	0.01725901	-0.01819704	-0.01565701	-0.04425006
67	-0.03313304	0.01067404	0.01715441	0.01843313	-0.008389242
68	0.02701406	-0.01311746	-0.05403101	-0.02412073	-0.01235558
69	0.06423128	0.0497088	0.001710125	0.001136145	-0.004989624
70	0.0005527242	-0.002829298	-0.006108739	0.004997075	-0.007245242
71	-0.002239376	-0.004499389	-0.0003751925	0.002729032	-0.0008246698
72	-0.07484248	-0.08593568	0.103572	-0.02740873	-0.04652255
73	-0.1050291	-0.3271263	-0.1220116	0.2602325	0.1828145
74	-0.01207854	0.01685086	0.1765603	-0.1508153	-0.05443549
75	0.007687299	0.01774274	0.01051279	-0.01149205	-0.0007760639
76	0.0222122	0.07514486	0.02568816	-0.02576932	-0.02687995
77	0.05136354	-0.01695274	-0.03138825	0.002280713	0.1523883
78	0.03492546	0.02618459	-0.02206707	-0.007509675	-0.03402343
79	-0.1015272	-0.05601463	0.01398676	0.01446719	-0.09426653
80	-0.02358411	-0.1094779	-0.0003282127	-0.03785538	-0.01944645
81	-0.01243308	0.007989466	0.006276205	-0.00720707	-0.008820004
82	0.1364588	-0.1390774	-0.1732817	0.1257225	-0.02416655
83	-0.238055	0.06661946	-0.05925125	0.1093369	0.09061944
84	-0.1546201	0.08930375	-0.02968973	0.02924085	-0.03824445
85	-0.03617385	0.02062092	0.07668976	-0.09581876	0.1645895
86	0.005770611	-0.03017666	-0.01347159	0.02945148	0.01241735
87	0.1773633	-0.1459165	-0.1178713	0.007306556	0.2554181
88	-0.030174	0.09333266	-0.002979168	-0.07084466	0.04254822
89	-0.001531832	-0.1012518	0.04873627	-0.01891907	0.1581104
90	-0.02363408	0.02706438	0.05197436	-0.02630223	0.04234369
91	0.01419722	-0.01807361	-0.009549162	0.01316099	-0.01573146
92	-0.00765044	-0.05354412	0.01144619	0.004002777	0.0001140216
93	0.07463071	0.08926596	0.3432429	-0.2680505	0.08605546
94	-0.01121358	-0.02061237	-0.04272492	0.01669567	0.03049425
95	0.1783622	0.1276704	-0.09560556	0.04053698	-0.07860715
96	0.02460997	0.02433858	0.005529607	-0.0009695585	0.02694937
97	-0.01764893	0.00562111	-0.02317525	0.006690314	0.0002333796
98	0.1590196	0.2797797	0.222176	-0.2359004	-0.07645983
99	0.05614462	0.02147281	-0.004572131	0.008562498	-0.05028793
100	0.1481844	-0.07717982	0.03074617	-0.03711811	-0.03880664
101	-0.2687955	0.03442586	-0.1643054	0.1287716	-0.007501608
102	-0.1201243	-0.150171	-0.1316095	0.1307021	-0.05736616
103	-0.3819465	-0.08350214	-0.08692491	0.1622294	0.08483018
104	0.02767051	0.09329443	0.112389	-0.09230412	0.04084358
105	0.03218828	-0.005791713	-0.01473126	0.005082821	-0.01896535
106	0.06747802	-0.09222968	-0.07917079	0.2222609	-0.05523943
107	-0.109407	0.06977956	0.04139004	-0.02109061	-0.07732282
108	-0.002165821	0.00658303	-0.0007339897	-0.006709689	-0.002413104
109	-0.01173509	-0.03452726	0.008942722	-0.0004784802	-0.004149472
110	-0.006917649	0.006017123	-0.01171959	0.003979609	-0.02083844
111	0.02305827	0.04567016	0.06547814	-0.1273591	0.0007224847
112	-0.05818339	-0.0244229	0.03926243	-0.06167724	-0.07767451
113	0.01041171	-0.03208532	-0.03860849	0.03862799	0.003729105
114	0.0149494	0.03605651	-0.005139357	-0.03772048	-0.0007147071
115	0.05282725	-0.0571578	-0.03173057	0.002949851	-0.1404037

116	-0.06877718	-0.01750097	-0.01073973	0.07719599	-0.1006539
117	-0.005323559	-0.009501147	0.01099787	-0.009053468	0.001412859

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL\2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

DFBETAS Report (Continued)

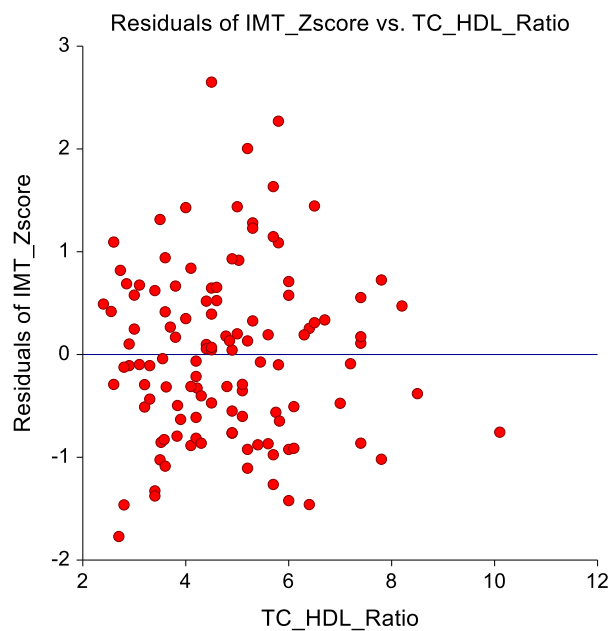
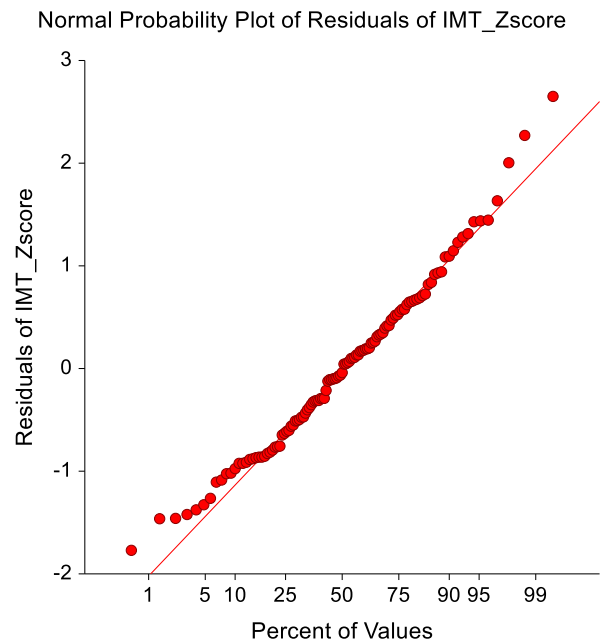
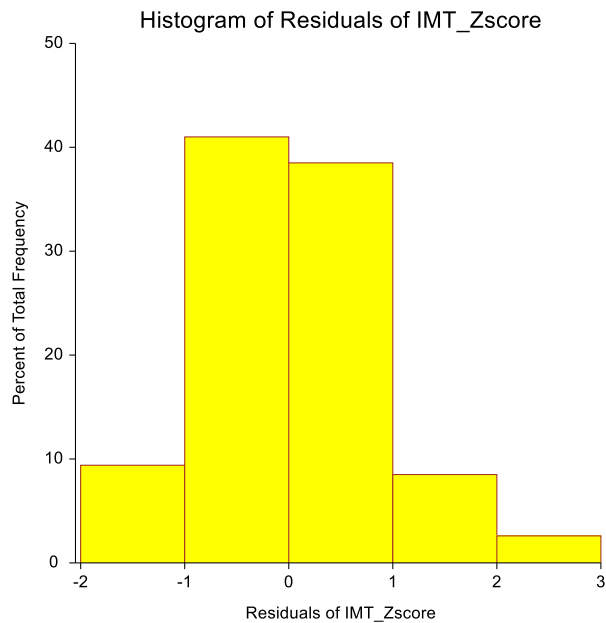
Row	(Smk=1)	(DM=1)	(gender ="Male")	Intercept
64	-0.2195624	0.04004627	-0.04368072	-0.01041335
65	-0.1396637	0.03230405	0.002236007	0.02584331
66	-0.01766642	-0.2870551	0.121944	0.0478652
67	-0.03560544	-0.02560203	0.06639792	-0.04223842
68	-0.002876217	-0.1178121	0.01474521	0.09212392
69	0.05213112	0.02542608	-0.1034481	-0.0425994
70	-0.0008013403	-0.002268867	-0.005122985	0.001736015
71	-0.0030869	-0.00182744	0.006016315	-0.001309627
72	0.0485298	0.4431298	-0.1224362	0.0211843
73	0.09142874	-0.2812865	-0.05683468	-0.1526727
74	0.08979149	0.02211745	-0.07460322	0.06710318
75	0.003736008	0.0002755473	-0.009164463	-0.001933258
76	0.04966289	0.01928738	-0.0825557	-0.01949722
77	0.210449	0.01121991	-0.04027914	-0.005243929
78	-0.02702725	-0.01581471	0.008923354	0.02175851
79	0.008912591	0.01392014	0.1068303	0.01868486
80	-0.02782142	-0.01101946	0.06251264	0.1216555
81	-0.02516122	0.0005783957	0.004790063	0.006612935
82	-0.007625195	-0.02864815	-0.1935773	0.03226793
83	0.07454372	0.05860018	-0.02212539	-0.1031263
84	0.05838631	0.03260048	-0.03646589	-0.009514817
85	0.09782656	0.06850487	-0.105995	0.04462095
86	-0.01170112	0.06225481	0.0220814	-0.02675799
87	-0.06421279	0.5341226	0.03421088	0.06646272
88	0.07534191	0.05250467	-0.1139829	0.07714219
89	0.07768498	0.05768956	-0.07145344	-0.006270241
90	0.003236039	0.01030797	0.04728603	-0.03201843
91	0.03082199	-0.004103974	-0.002796526	-0.004291115
92	0.009141248	0.01631974	0.0402635	-0.0002313637
93	-0.0154432	-0.04670056	0.05532336	0.005052708
94	0.002649478	-0.00307986	-0.05422885	0.03318127
95	-0.1024996	-0.05946362	0.01298063	-0.05295181
96	-0.004636932	-0.009176446	-0.0290118	-0.02207317
97	-0.001119835	-0.005913358	-0.02690121	0.02113922
98	-0.0260347	-0.1081056	-0.1781026	0.03317915
99	-0.01174775	-0.02676024	-0.04683664	-0.01661786
100	0.02028625	0.1802712	-0.122155	0.03883745
101	-0.005265272	0.08067764	0.238746	-0.01627272
102	0.1236127	0.08399788	-0.1142381	0.03005132
103	0.08367575	0.07129908	0.04923286	-0.05581003
104	0.06007866	0.02143617	-0.08172304	-0.02365597
105	-0.01657301	-0.009732296	0.005790375	0.005113422
106	-0.07720207	-0.05311089	0.09113111	-0.2481173
107	-0.140878	-0.1645845	0.05527308	0.008459485
108	0.01969817	-0.001230578	-0.001487478	0.009996663
109	0.04495968	-0.0008597834	0.006199776	0.01053898
110	-0.001844805	0.001416984	0.009735263	0.007158665
111	0.01499234	0.03853879	0.06646606	0.0945985
112	-0.1231324	0.009570542	0.01691959	0.1006134
113	-0.08777695	0.01196396	-0.005413806	-0.01245819
114	-0.0007764138	-0.01118002	-0.05721259	0.05587387
115	-0.002916022	-0.04858994	-0.1203126	0.08800993

116	0.04123715	0.008376939	-0.0165253	-0.07170782
117	0.01135348	0.005565911	-0.00846118	0.008483517

Multiple Regression Report

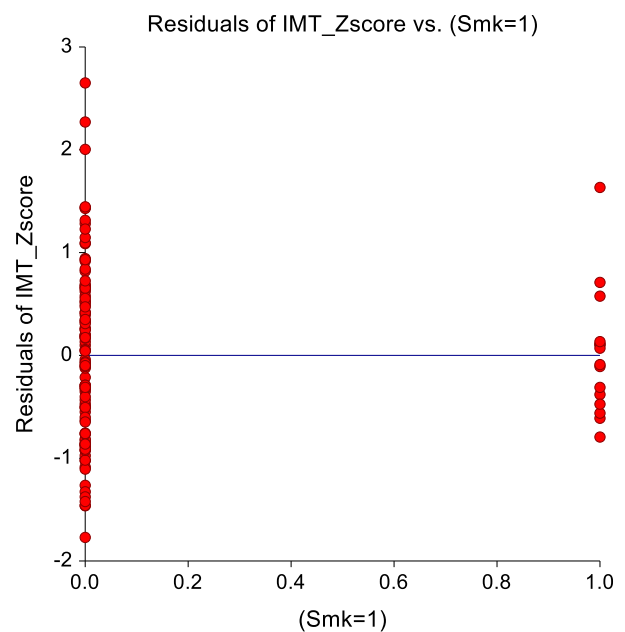
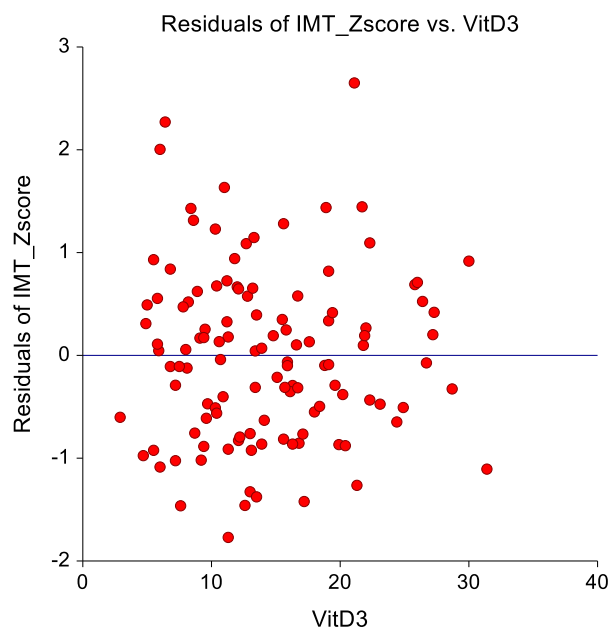
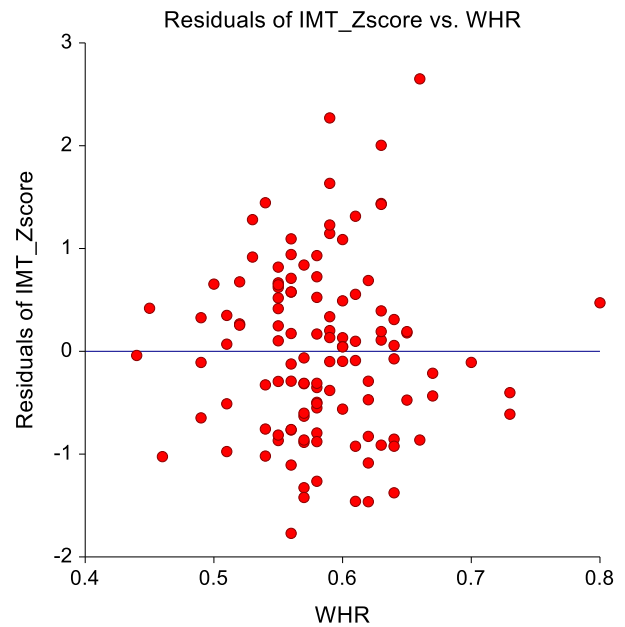
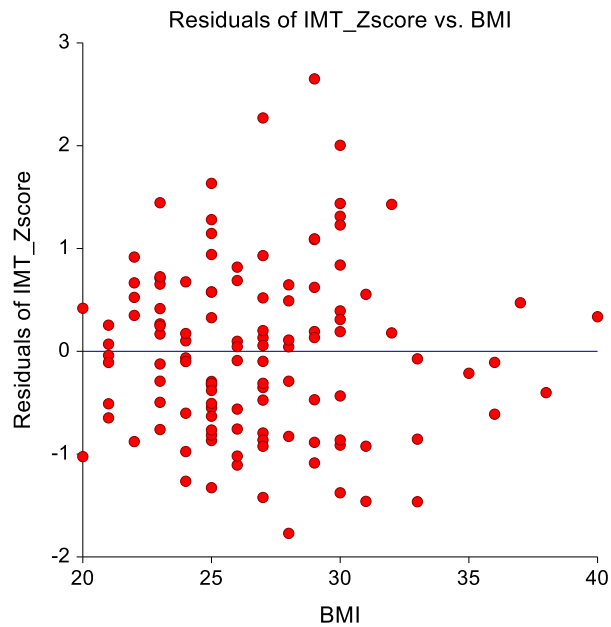
Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
Dependent IMT_Zscore

Plots Section



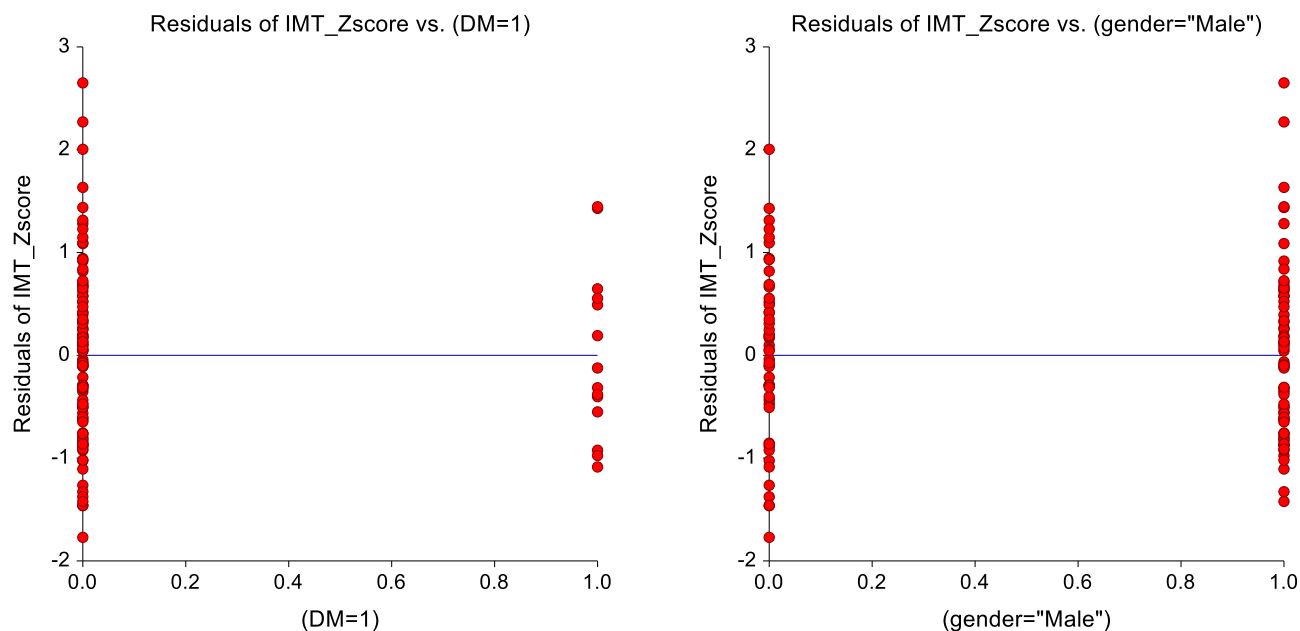
Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
Dependent IMT_Zscore



Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore



Procedure Input Settings

Autosaved Template File

C:\Users\DELL\Documents\NCSS 12\Procedure Templates\Autosave\Multiple Regression - Autosaved
 2020_6_20-23_31_14.t157

Variables, Model Tab

-- Variables -----
 Y: IMT_Zscore
 Numeric X's: TC_HDL_Ratio, Age, BMI, WHR, VitD3
 Categorical X's: Smk, DM, gender
 Default Recoding Scheme: Binary
 Default Reference Value: First after Sorting
 Weights: <Empty>

-- Regression Model -----
 Terms: 1-Way
 Remove Intercept: Unchecked

Reports Tab

-- Alphas and Confidence Levels -----
 Tests Alpha: 0.050
 Assumptions Alpha: 0.20
 Confidence Level: 95

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

Procedure Input Settings (Continued)**Reports Tab (Continued)**

-- Select Reports -----	
.. Summaries	
Run Summary	Checked
Descriptive Statistics	Checked
Correlations	Checked
.. Regression Coefficients	
Coefficient T-Tests	Checked
Coefficient C.I.'s	Checked
Estimated Equation	Checked
Bootstrap C.I.'s	Unchecked
.. ANOVA	
ANOVA Summary	Checked
ANOVA Detail	Checked
.. Assumptions	
PRESS Statistics	Checked
Normality Tests	Checked
Durbin-Watson	Checked
.. X Diagnostics	
R ²	Checked
Variable Omission	Checked
Sum of Squares	Checked
Sequential Models	Unchecked
Multicollinearity	Checked
.. Eigenvalues	
Eigenvalues - Centered	Checked
Eigenvectors - Centered	Checked
Eigenvalues - Uncentered	Unchecked
Eigenvectors - Uncentered	Unchecked
.. Row-by-Row Lists	
Show:	All Rows
Predicted Values for Means	Unchecked
Predicted Values for Individuals	Checked
Residuals	Checked
Regression Diagnostics	Checked
DFBETAS	Checked

Report Options Tab

-- Variable Labels -----	
Variable Names:	Names
Stagger label and output if label length is ≥	15

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

Procedure Input Settings (Continued)

Report Options Tab (Continued)

-- Decimal Places -----	
Precision:	Single
Reg Coefficients:	All
Std Error of b's:	All
Test Statistics:	3
Probabilities:	4
Percentages:	3
Means:	All
Std Deviations:	All
R ² , Correlations, Standardized Coef's:	4
Mean Squares, Sum of Squares:	All
Y's, Residuals, etc.:	All
Std Error of Y:	All
Eigenvalues:	4
Eigenvectors:	4
Diagonal of X'X Inverse:	All

Plots Tab

-- Select Plots -----	
.. Distribution of Residuals	
Histogram	Checked
Probability Plot	Checked
.. Y vs X	
Y vs X	Unchecked
.. Residual Analysis Plots	
Serial Correlation	Unchecked
Resids vs Row	Unchecked
RStudent vs Hat	Unchecked
Resids vs Yhat	Unchecked
Resids vs X	Checked
RStudent vs X	Unchecked
Partial Resids vs X	Unchecked
.. Bootstrap Histograms	
Coefficient C.I.'s	Checked

Storage Tab

-- Data Storage Options -----	
Storage Option:	Store in designated columns
Store First Item In:	C33

Multiple Regression Report

Dataset D:\...\2020_CCIMT_MVA_NCSSL\2020_CCIMT_Data_NCSSL_Final1.NCSS
 Dependent IMT_Zscore

Procedure Input Settings (Continued)**Storage Tab (Continued)**

.. Select Items to Store with the Dataset

Predicted Y	Checked
Residuals	Unchecked
Std Error of Pred Mean	Unchecked
Lower C.L. Mean	Unchecked
Upper C.L. Mean	Unchecked
Std Error of Pred Individual	Unchecked
Lower C.L. Individual	Unchecked
Upper C.L. Individual	Unchecked
X'X Inverse	Unchecked
Expanded X Matrix	Unchecked
Rstudent	Unchecked
Hat Diagonals	Unchecked
CovRatio	Unchecked
Dffits	Unchecked
MSE(i)	Unchecked
Cook's D	Unchecked
DFBETAS	Unchecked
VC(Betas) Matrix	Unchecked