Regression model / testing relationship between Diastole and salt intake

The REG Procedure
Model: MODEL1
Dependent Variable: BPXDImc

Number of Observations Read	4682
Number of Observations Used	4682

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2684.34181	2684.34181	15.08	0.0001
Error	4680	832831	177.95533		
Corrected Total	4681	835515			

Root MSE	13.33999	R-Square	0.0032
Dependent Mean	2.86069E-15	Adj R-Sq	0.0030
Coeff Var	4.663214E17		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	2.50001E-15	0.19496	0.00	1.0000
DBD100mc	1	0.89180	0.22962	3.88	0.0001

Regression model / testing relationship between Systole and salt intake

The REG Procedure
Model: MODEL1
Dependent Variable: BPXSYmc

Number of Observations Read	4682
Number of Observations Used	4682

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	4351.24435	4351.24435	14.56	0.0001
Error	4680	1398272	298.77615		
Corrected Total	4681	1402624			

Root MSE	17.28514	R-Square	0.0031
Dependent Mean	-2.4288E-14	Adj R-Sq	0.0029
Coeff Var	-7.11681E16		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-2.4747E-14	0.25261	-0.00	1.0000
DBD100mc	1	1.13542	0.29752	3.82	0.0001

Regression model / testing moderator effect of Diastole

The REG Procedure
Model: MODEL1
Dependent Variable: BPXDImc

Number of Observations Read	4682
Number of Observations Used	4682

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	75324	25108	154.51	<.0001
Error	4678	760191	162.50340		
Corrected Total	4681	835515			

Root MSE	12.74768	R-Square	0.0902
Dependent Mean	2.86069E-15	Adj R-Sq	0.0896
Coeff Var	4.456163E17		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Squared Semi-partial Corr Type II	Squared Partial Corr Type II
Intercept	1	0.01003	0.18670	0.05	0.9571	.	.
DBD100mc	1	0.59627	0.21995	2.71	0.0067	0.00143	0.00157
BMXWAISTmc	1	0.20716	0.00982	21.09	<.0001	0.08648	0.08680
DBD100mc_BMXWAISTmc	1	-0.00995	0.01208	-0.82	0.4100	0.00013205	0.00014511

Regression model / testing moderator effect of Diastole at one SD below mean

The REG Procedure
Model: MODEL1
Dependent Variable: BPXDImc

Number of Observations Read	4682
Number of Observations Used	4682

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	75324	25108	154.51	<.0001
Error	4678	760191	162.50340		
Corrected Total	4681	835515			

Root MSE	12.74768	R-Square	0.0902
Dependent Mean	2.86069E-15	Adj R-Sq	0.0896
Coeff Var	4.456163E17		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Squared Semi-partial Corr Type II	Squared Partial Corr Type II
Intercept	1	0.51636	0.26382	1.96	0.0504	.	.
DBD100low	1	0.59627	0.21995	2.71	0.0067	0.00143	0.00157
BMXWAISTmc	1	0.19871	0.01444	13.76	<.0001	0.03681	0.03889
DBD100mclow_BMXWAISTmc	1	-0.00995	0.01208	-0.82	0.4100	0.00013205	0.00014511

Regression model / testing moderator effect of Diastole at one SD above mean

The REG Procedure
Model: MODEL1
Dependent Variable: BPXDImc

Number of Observations Read	4682
Number of Observations Used	4682

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	75324	25108	154.51	<.0001
Error	4678	760191	162.50340		
Corrected Total	4681	835515			

Root MSE	12.74768	R-Square	0.0902
Dependent Mean	2.86069E-15	Adj R-Sq	0.0896
Coeff Var	4.456163E17		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Squared Semi-partial Corr Type II	Squared Partial Corr Type II
Intercept	1	-0.49629	0.26434	-1.88	0.0605	.	.
DBD100high	1	0.59627	0.21995	2.71	0.0067	0.00143	0.00157
BMXWAISTmc	1	0.21561	0.01396	15.44	<.0001	0.04639	0.04851
DBD100mchigh_BMXWAISTmc	1	-0.00995	0.01208	-0.82	0.4100	0.00013205	0.00014511

Regression model / testing moderator effect of Systole

The REG Procedure
Model: MODEL1
Dependent Variable: BPXSYmc

Number of Observations Read	4682
Number of Observations Used	4682

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	247236	82412	333.68	<.0001
Error	4678	1155387	246.98314		
Corrected Total	4681	1402624			

Root MSE	15.71570	R-Square	0.1763
Dependent Mean	-2.4288E-14	Adj R-Sq	0.1757
Coeff Var	-6.47063E16		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Squared Semi-partial Corr Type II	Squared Partial Corr Type II
Intercept	1	-0.00992	0.23017	-0.04	0.9656	.	.
DBD100mc	1	0.61017	0.27116	2.25	0.0245	0.00089160	0.00108
BMXWAISTmc	1	0.37979	0.01211	31.36	<.0001	0.17314	0.17368
DBD100mc_BMXWAISTmc	1	0.00985	0.01489	0.66	0.5086	0.00007694	0.00009339

Regression model / testing moderator effect of Systole at one SD below mean

The REG Procedure
Model: MODEL1
Dependent Variable: BPXSYmc

Number of Observations Read	4682
Number of Observations Used	4682

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	247236	82412	333.68	<.0001
Error	4678	1155387	246.98314		
Corrected Total	4681	1402624			

Root MSE	15.71570	R-Square	0.1763
Dependent Mean	-2.4288E-14	Adj R-Sq	0.1757
Coeff Var	-6.47063E16		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Squared Semi-partial Corr Type II	Squared Partial Corr Type II
Intercept	1	0.50820	0.32525	1.56	0.1182	.	.
DBD100low	1	0.61017	0.27116	2.25	0.0245	0.00089160	0.00108
BMXWAISTmc	1	0.38815	0.01781	21.80	<.0001	0.08367	0.09221
DBD100mclow_BMXWAISTmc	1	0.00985	0.01489	0.66	0.5086	0.00007694	0.00009339

Regression model / testing moderator effect of Systole at one SD above mean

The REG Procedure
Model: MODEL1
Dependent Variable: BPXSYmc

Number of Observations Read	4682
Number of Observations Used	4682

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	247236	82412	333.68	<.0001
Error	4678	1155387	246.98314		
Corrected Total	4681	1402624			

Root MSE	15.71570	R-Square	0.1763
Dependent Mean	-2.4288E-14	Adj R-Sq	0.1757
Coeff Var	-6.47063E16		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Squared Semi-partial Corr Type II	Squared Partial Corr Type II
Intercept	1	-0.52805	0.32589	-1.62	0.1052	.	.
DBD100high	1	0.61017	0.27116	2.25	0.0245	0.00089160	0.00108
BMXWAISTmc	1	0.37143	0.01721	21.58	<.0001	0.08201	0.09054
DBD100mchigh_BMXWAISTmc	1	0.00985	0.01489	0.66	0.5086	0.00007694	0.00009339

Regression model / Checking relationship between age and salt intake

The REG Procedure
Model: MODEL1
Dependent Variable: DBD100mc

Number of Observations Read	4682
Number of Observations Used	4682

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	27.69836	27.69836	38.72	<.0001
Error	4680	3347.53786	0.71529		
Corrected Total	4681	3375.23622			

Root MSE	0.84575	R-Square	0.0082
Dependent Mean	4.04442E-16	Adj R-Sq	0.0080
Coeff Var	2.091143E17		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	3.81292E-16	0.01236	0.00	1.0000
RIDAGEYRmc	1	0.00356	0.00057220	6.22	<.0001

Regression model / check the effect of age as a mediator between the relationship of Diastolic BP and salt intake

The CAUSALMED Procedure

Model Information	
Data Set	HOME.MEAN_CENTERED_DATA
Outcome Variable	BPXDImc
Treatment Variable	DBD100mc
Mediator Variable	RIDAGEYRmc
Outcome Distribution	Normal
Outcome Link Function	Identity
Mediator Distribution	Normal
Mediator Link Function	Identity

Number of Observations Read	4682
Number of Observations Used	4682

Regression model / check the effect of age as a mediator between the relationship of Diastolic BP and salt intake

The CAUSALMED Procedure

Summary of Effects

	Estimate	Standard Error	Wald 95% Confidence Limits		Z	Pr > |Z|
Total Effect	0.8918	0.2296	0.4419	1.3417	3.88	0.0001
Controlled Direct Effect (CDE)	0.5152	0.2224	0.07942	0.9511	2.32	0.0205
Natural Direct Effect (NDE)	0.5152	0.2224	0.07942	0.9511	2.32	0.0205
Natural Indirect Effect (NIE)	0.3766	0.06376	0.2516	0.5015	5.91	<.0001
Percentage Mediated	42.2237	11.4193	19.8423	64.6051	3.70	0.0002
Percentage Due to Interaction	0	.	.	.	.	.
Percentage Eliminated	42.2237	11.4193	19.8423	64.6051	3.70	0.0002

Regression model / check the effect of age as a mediator between the relationship of Diastolic BP and salt intake using bootstrap

The CAUSALMED Procedure

Model Information	
Data Set	HOME.MEAN_CENTERED_DATA
Outcome Variable	BPXDImc
Treatment Variable	DBD100mc
Mediator Variable	RIDAGEYRmc
Outcome Distribution	Normal
Outcome Link Function	Identity
Mediator Distribution	Normal
Mediator Link Function	Identity
Number of Bootstrap Samples	1000
Bootstrap Seed	1465597551

Number of Observations Read	4682
Number of Observations Used	4682

Regression model / check the effect of age as a mediator between the relationship of Diastolic BP and salt intake using bootstrap

The CAUSALMED Procedure

Number of Bootstrap Samples for Fitting Models	
Total Generated in 4 Threads	1000
Converged and Retained	1000
Excluded from Model Estimation	0
Excluded Due to Non-Convergence	0
Excluded Due to Dropping of Causal Effect Levels	0
Excluded Due to Dropping of Covariate Effect Levels Only	0

Regression model / check the effect of age as a mediator between the relationship of Diastolic BP and salt intake using bootstrap

The CAUSALMED Procedure

Summary of Effects

	Estimate	Standard Error	Bootstrap Standard Error	Wald 95% Confidence Limits		Bootstrap Bias Corrected 95% Confidence Limits		Z	Pr > |Z|
Total Effect	0.8918	0.2296	0.2176	0.4419	1.3417	0.4752	1.3519	3.88	0.0001
Controlled Direct Effect (CDE)	0.5152	0.2224	0.2098	0.07942	0.9511	0.1136	0.9066	2.32	0.0205
Natural Direct Effect (NDE)	0.5152	0.2224	0.2098	0.07942	0.9511	0.1136	0.9066	2.32	0.0205
Natural Indirect Effect (NIE)	0.3766	0.06376	0.06623	0.2516	0.5015	0.2516	0.5096	5.91	<.0001
Percentage Mediated	42.2237	11.4193	13.8437	19.8423	64.6051	26.0236	75.7639	3.70	0.0002
Percentage Due to Interaction	0	.	.	.	.	.	.	.	.
Percentage Eliminated	42.2237	11.4193	13.8437	19.8423	64.6051	26.0236	75.7639	3.70	0.0002

Regression model / check the effect of age as a mediator between the relationship of Systolic BP and salt intake

The CAUSALMED Procedure

Model Information	
Data Set	HOME.MEAN_CENTERED_DATA
Outcome Variable	BPXSYmc
Treatment Variable	DBD100mc
Mediator Variable	RIDAGEYRmc
Outcome Distribution	Normal
Outcome Link Function	Identity
Mediator Distribution	Normal
Mediator Link Function	Identity

Number of Observations Read	4682
Number of Observations Used	4682

Regression model / check the effect of age as a mediator between the relationship of Systolic BP and salt intake

The CAUSALMED Procedure

Summary of Effects

	Estimate	Standard Error	Wald 95% Confidence Limits		Z	Pr > |Z|
Total Effect	1.1354	0.2975	0.5524	1.7184	3.82	0.0001
Controlled Direct Effect (CDE)	0.08128	0.2455	-0.4000	0.5625	0.33	0.7406
Natural Direct Effect (NDE)	0.08128	0.2455	-0.4000	0.5625	0.33	0.7406
Natural Indirect Effect (NIE)	1.0541	0.1708	0.7193	1.3889	6.17	<.0001
Percentage Mediated	92.8416	20.1197	53.4078	132.28	4.61	<.0001
Percentage Due to Interaction	0	.	.	.	.	.
Percentage Eliminated	92.8416	20.1197	53.4078	132.28	4.61	<.0001

Regression model / check the effect of age as a mediator between the relationship of Systolic BP and salt intake using bootstrap

The CAUSALMED Procedure

Model Information	
Data Set	HOME.MEAN_CENTERED_DATA
Outcome Variable	BPXSYmc
Treatment Variable	DBD100mc
Mediator Variable	RIDAGEYRmc
Outcome Distribution	Normal
Outcome Link Function	Identity
Mediator Distribution	Normal
Mediator Link Function	Identity
Number of Bootstrap Samples	1000
Bootstrap Seed	808133378

Number of Observations Read	4682
Number of Observations Used	4682

Regression model / check the effect of age as a mediator between the relationship of Systolic BP and salt intake using bootstrap

The CAUSALMED Procedure

Number of Bootstrap Samples for Fitting Models	
Total Generated in 4 Threads	1000
Converged and Retained	1000
Excluded from Model Estimation	0
Excluded Due to Non-Convergence	0
Excluded Due to Dropping of Causal Effect Levels	0
Excluded Due to Dropping of Covariate Effect Levels Only	0

Regression model / check the effect of age as a mediator between the relationship of Systolic BP and salt intake using bootstrap

The CAUSALMED Procedure

Summary of Effects

	Estimate	Standard Error	Bootstrap Standard Error	Wald 95% Confidence Limits		Bootstrap Bias Corrected 95% Confidence Limits		Z	Pr > |Z|
Total Effect	1.1354	0.2975	0.3273	0.5524	1.7184	0.5171	1.7965	3.82	0.0001
Controlled Direct Effect (CDE)	0.08128	0.2455	0.2603	-0.4000	0.5625	-0.4033	0.6013	0.33	0.7406
Natural Direct Effect (NDE)	0.08128	0.2455	0.2603	-0.4000	0.5625	-0.4033	0.6013	0.33	0.7406
Natural Indirect Effect (NIE)	1.0541	0.1708	0.1795	0.7193	1.3889	0.7224	1.4020	6.17	<.0001
Percentage Mediated	92.8416	20.1197	30.9746	53.4078	132.28	62.8118	165.90	4.61	<.0001
Percentage Due to Interaction	0	.	.	.	.	.	.	.	.
Percentage Eliminated	92.8416	20.1197	30.9746	53.4078	132.28	62.8118	165.90	4.61	<.0001