

PRESERVE.
SET DECIMAL DOT.

GET DATA /TYPE=TXT
/FILE="X:\My Downloads\cereals.txt"
/DELCASE=LINE
/DELIMITERS="\t"
/ARRANGEMENT=DELIMITED
/FIRSTCASE=2
/DATATYPEMIN PERCENTAGE=95.0
/VARIABLES=
name AUTO
mfr AUTO
calories AUTO
sugars AUTO
carbo AUTO
protein AUTO
fat AUTO
sodium AUTO
fiber AUTO
potass AUTO
shelf AUTO
Middle AUTO
shelf_1 AUTO
shelf_2 AUTO
shelf_3 AUTO
/MAP.
RESTORE.

CACHE.
EXECUTE.

Data written to the working file.
15 variables and 77 cases written.

Variable: name	Type: String	Format : A38	One or more
values were truncated.			
Variable: mfr	Type: String	Format : A1	
Variable: calories	Type: Number	Format : F3	
Variable: sugars	Type: Number	Format : F2	
Variable: carbo	Type: Number	Format : F4.1	
Variable: protein	Type: Number	Format : F1	
Variable: fat	Type: Number	Format : F1	
Variable: sodium	Type: Number	Format : F3	

Variable: fiber	Type: Number	Format : F3.1	
Variable: potass	Type: Number	Format : F3	
Variable: shelf	Type: Number	Format : F1	
Variable: Middle	Type: String	Format : A3	One or more

values were truncated.

Variable: shelf_1	Type: Number	Format : F1	
Variable: shelf_2	Type: Number	Format : F1	
Variable: shelf_3	Type: Number	Format : F1	

DATASET NAME DataSet1 WINDOW=FRONT.
 PRESERVE.
 SET DECIMAL DOT.

GET DATA /TYPE=TXT
 /FILE="X:\My Downloads\cereals.txt"
 /ENCODING='UTF8'
 /DELCASE=LINE
 /DELIMITERS=" "
 /ARRANGEMENT=DELIMITED
 /FIRSTCASE=2
 /LEADINGSPACES IGNORE=YES
 /DATATYPEMIN PERCENTAGE=95.0
 /VARIABLES=
 name AUTO
 mfr AUTO
 type AUTO
 calories AUTO
 protein AUTO
 fat AUTO
 sodium AUTO
 fiber AUTO
 carbo AUTO
 sugars AUTO
 potass AUTO
 vitamins AUTO
 shelf AUTO
 weight AUTO
 cups AUTO
 rating AUTO
 /MAP.

RESTORE.

CACHE.
 EXECUTE.

Data written to the working file.

16 variables and 77 cases written.

Variable: name	Type: String	Format : A38	One or more values were truncated.
Variable: mfr	Type: String	Format : A1	
Variable: type	Type: String	Format : A1	
Variable: calories	Type: Number	Format : F3	
Variable: protein	Type: Number	Format : F1	
Variable: fat	Type: Number	Format : F1	
Variable: sodium	Type: Number	Format : F3	
Variable: fiber	Type: Number	Format : F3.1	
Variable: carbo	Type: Number	Format : F4.1	
Variable: sugars	Type: Number	Format : F2	
Variable: potass	Type: Number	Format : F3	
Variable: vitamins	Type: Number	Format : F3	
Variable: shelf	Type: Number	Format : F1	
Variable: weight	Type: Number	Format : F4.2	
Variable: cups	Type: Number	Format : F4.2	
Variable: rating	Type: Number	Format : F9.6	

DATASET NAME DataSet2 WINDOW=FRONT.

PLS rating MLEVEL=S BY fat WITH sugars

/CRITERIA LATENTFACTOR=5.

('Extension command ', 'PLS', ' could not be loaded. The module or a module that it requires may be missing, or there may be syntax errors in it.')

DATASET ACTIVATE DataSet2.

DATASET CLOSE DataSet1.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT rating

/METHOD=ENTER sugars fat.

Regression

Notes

Output Created		17-OCT-2019 15:59:23
Comments		
Input	Data	X:\My Downloads\cereals.txt
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	77
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT rating /METHOD=ENTER sugars fat.
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,06
	Memory Required	3568 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	fat, sugars ^b	.	Enter

a. Dependent Variable: rating

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,789 ^a	,622	,612	8,754560842

a. Predictors: (Constant), fat, sugars

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	9325,268	2	4662,634	60,836	,000 ^b
	Residual	5671,533	74	76,642		
	Total	14996,800	76			

a. Dependent Variable: rating

b. Predictors: (Constant), fat, sugars

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	61,089	1,953		31,284	,000
	sugars	-2,213	,235	-,700	-9,428	,000
	fat	-3,066	1,036	-,220	-2,958	,004

a. Dependent Variable: rating

* Define Variable Properties.

*fat.

VARIABLE LEVEL fat(SCALE).

EXECUTE.

PLS rating MLEVEL=S WITH sugars fat

/CRITERIA LATENTFACTORS=5.

('Extension command ', 'PLS', ' could not be loaded. The module or a module that it requires may be missing, or there may be syntax errors in it.')

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT sugars

/METHOD=ENTER fat.

Regression

Notes

Output Created		17-OCT-2019 16:03:17
Comments		
Input	Data	X:\My Downloads\cereals.txt
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	77
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT sugars /METHOD=ENTER fat.
Resources	Processor Time	00:00:00,03
	Elapsed Time	00:00:00,01
	Memory Required	3120 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	fat ^b	.	Enter

a. Dependent Variable: sugars

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,271 ^a	,073	,061	4,307

a. Predictors: (Constant), fat

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	110,127	1	110,127	5,936	,017 ^b
	Residual	1391,406	75	18,552		
	Total	1501,532	76			

a. Dependent Variable: sugars

b. Predictors: (Constant), fat

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	5,711	,699		8,173	,000
	fat	1,196	,491	,271	2,436	,017

a. Dependent Variable: sugars