

```

DATASET ACTIVATE DataSet2.
WEIGHT BY count.
CROSSTABS
  /TABLES=duration BY diseasestatus
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ
  /CELLS=COUNT EXPECTED ROW
  /COUNT ROUND CELL.

```

Crosstabs

Notes

Output Created		05-JUN-2019 14:11:05
Comments		
Input	Active Dataset	DataSet2
	Filter	<none>
	Weight	count
	Split File	<none>
	N of Rows in Working Data File	9
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=duration BY diseasestatus /FORMAT=AVALUE TABLES /STATISTICS=CHISQ /CELLS=COUNT EXPECTED ROW /COUNT ROUND CELL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01
	Dimensions Requested	2
	Cells Available	524245

[DataSet2]

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
duration * diseasestatus	492	100.0%	0	0.0%	492	100.0%

duration * diseasestatus Crosstabulation

			diseasestatus			
			D	N	S	Total
duration	long	Count	23	206	11	240
		Expected Count	20.0	201.0	19.0	240.0
		% within duration	9.6%	85.8%	4.6%	100.0%
	medium	Count	8	136	19	163
		Expected Count	13.6	136.5	12.9	163.0
		% within duration	4.9%	83.4%	11.7%	100.0%
	short	Count	10	70	9	89
		Expected Count	7.4	74.5	7.1	89.0
		% within duration	11.2%	78.7%	10.1%	100.0%
Total		Count	41	412	39	492
		Expected Count	41.0	412.0	39.0	492.0
		% within duration	8.3%	83.7%	7.9%	100.0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	10.829 ^a	4	.029
Likelihood Ratio	11.327	4	.023
N of Valid Cases	492		

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 7.05.

DATASET ACTIVATE DataSet3.

CORRELATIONS

/VARIABLES=x y

```

/PRINT=TWOTAIL NOSIG
/MISSING=PAIRWISE.

```

Correlations

Notes

Output Created		05-JUN-2019 14:11:29
Comments		
Input	Data	C:\beetle.txt
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	23
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=x y /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02

[DataSet3]

Correlations

		x	y
x	Pearson Correlation	1	.916**
	Sig. (2-tailed)		.000
	N	23	23
y	Pearson Correlation	.916**	1
	Sig. (2-tailed)	.000	
	N	23	23

** . Correlation is significant at the 0.01 level (2-tailed).

```

REGRESSION
/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT y
/METHOD=ENTER x.

```

Regression

Notes

Output Created		05-JUN-2019 14:11:56
Comments		
Input	Data	C:\beetle.txt
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	23
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 y /METHOD=ENTER x.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Notes

	Memory Required	2448 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Entered/Removed^a

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

a. Dependent Variable: y

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.916 ^a	.839	.831	6.419

a. Predictors: (Constant), x

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	4514.447	1	4514.447	109.551	.000 ^b
	Residual	865.379	21	41.209		
	Total	5379.826	22			

a. Dependent Variable: y

b. Predictors: (Constant), x

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-1.286	2.853		-.451	.657
	x	11.894	1.136	.916	10.467	.000

a. Dependent Variable: y