

```
PRESERVE.  
SET DECIMAL DOT.
```

```
GET DATA /TYPE=TXT  
  /FILE="C:\trees.txt"  
  /ENCODING='UTF8'  
  /DELCASE=LINE  
  /DELIMITERS=" "  
  /ARRANGEMENT=DELIMITED  
  /FIRSTCASE=2  
  /LEADINGSPACES IGNORE=YES  
  /DATATYPEMIN PERCENTAGE=95.0  
  /VARIABLES=  
    x AUTO  
    y AUTO  
  /MAP.  
RESTORE.
```

```
CACHE.  
EXECUTE.
```

```
Data written to the working file.  
2 variables and 18 cases written.
```

```
Variable: x                Type: Number  Format : F3.1  
Variable: y                Type: Number  Format : F4.1
```

```
DATASET NAME DataSet1 WINDOW=FRONT.
```

```
CORRELATIONS  
  /VARIABLES=x y  
  /PRINT=TWOTAIL NOSIG  
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		17-APR-2019 11:22:08
Comments		
Input	Data	C:\trees.txt
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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	00:00:00.00
	Elapsed Time	00:00:00.08

[DataSet1]

Correlations

		x	y
x	Pearson Correlation	1	-.718**
	Sig. (2-tailed)		.001
	N	18	18
y	Pearson Correlation	-.718**	1
	Sig. (2-tailed)	.001	
	N	18	18

** . 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		17-APR-2019 11:22:47
Comments		
Input	Data	C:\trees.txt
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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	00:00:00.03
	Memory Required	2400 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	.718 ^a	.515	.485	3.0643

a. Predictors: (Constant), x

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	159.804	1	159.804	17.018	.001 ^b
	Residual	150.241	16	9.390		
	Total	310.045	17			

a. Dependent Variable: y

b. Predictors: (Constant), x

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	31.381	5.709		5.496	.000
	x	-5.865	1.422	-.718	-4.125	.001

a. Dependent Variable: y

PRESERVE.
SET DECIMAL DOT.

GET DATA /TYPE=TXT

```
/FILE="C:\promotion.txt"
/ENCODING='UTF8'
/DELCASE=LINE
/DELIMITERS=" "
/ARRANGEMENT=DELIMITED
/FIRSTCASE=2
/LEADINGSPACES IGNORE=YES
/DATATYPEMIN PERCENTAGE=95.0
/VARIABLES=
count AUTO
age AUTO
decision AUTO
/MAP.
RESTORE.
```

```
CACHE.
EXECUTE.
```

Data written to the working file.

3 variables and 8 cases written.

Variable: count	Type: Number	Format : F2
Variable: age	Type: String	Format : A7
Variable: decision	Type: String	Format : A3

```
DATASET NAME DataSet2 WINDOW=FRONT.
```

```
WEIGHT BY count.
```

```
CROSSTABS
```

```
  /TABLES=age BY decision
```

```
  /FORMAT=AVALUE TABLES
```

```
  /STATISTICS=CHISQ
```

```
  /CELLS=COUNT EXPECTED ROW
```

```
  /COUNT ROUND CELL.
```

Crosstabs

Notes

Output Created		17-APR-2019 11:30:06
Comments		
Input	Data	C:\promotion.txt
	Active Dataset	DataSet2
	Filter	<none>
	Weight	count
	Split File	<none>
	N of Rows in Working Data File	8
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=age BY decision /FORMAT=AVALUE TABLES /STATISTICS=CHISQ /CELLS=COUNT EXPECTED ROW /COUNT ROUND CELL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.06
	Dimensions Requested	2
	Cells Available	524245

[DataSet2]

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
age * decision	239	100.0%	0	0.0%	239	100.0%

age * decision Crosstabulation

			decision		Total
			no	yes	
age	30s	Count	39	22	61
		Expected Count	40.8	20.2	61.0
		% within age	63.9%	36.1%	100.0%
	40s	Count	45	26	71
		Expected Count	47.5	23.5	71.0
		% within age	63.4%	36.6%	100.0%
	50over	Count	38	15	53
		Expected Count	35.5	17.5	53.0
		% within age	71.7%	28.3%	100.0%
	under30	Count	38	16	54
		Expected Count	36.2	17.8	54.0
		% within age	70.4%	29.6%	100.0%
Total	Count		160	79	239
	Expected Count		160.0	79.0	239.0
	% within age		66.9%	33.1%	100.0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)
Pearson Chi-Square	1.485 ^a	3	.686
Likelihood Ratio	1.495	3	.684
N of Valid Cases	239		

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 17.52.