

```

SAVE OUTFILE='F:\17\Untitled1.sav'
/COMPRESSED.
FREQUENCIES VARIABLES=Starberries tomatoes
/STATISTICS=STDDEV RANGE MEAN MEDIAN MODE
/ORDER=ANALYSIS.

```

Frequencies

Notes

Output Created	18-JUL-2018 11:27:37	
Comments		
Input	Data	F:\17\Untitled1.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax	FREQUENCIES VARIABLES=Starberries tomatoes /STATISTICS=STDDEV RANGE MEAN MEDIAN MODE /ORDER=ANALYSIS.	
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.07

[DataSet0] F:\17\Untitled1.sav

Statistics

	Starberries	tomatoes
N Valid	12	12
Missing	0	0
Mean	2.9167	19.5000
Median	2.5000	20.5000
Mode	2.00	21.00
Std. Deviation	1.56428	5.48552
Range	5.00	17.00

Frequency Table

Starberries

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	2	16.7	16.7	16.7
	2.00	4	33.3	33.3	50.0
	3.00	2	16.7	16.7	66.7
	4.00	2	16.7	16.7	83.3
	5.00	1	8.3	8.3	91.7
	6.00	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

tomatoes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	10.00	2	16.7	16.7	16.7
	17.00	1	8.3	8.3	25.0
	18.00	2	16.7	16.7	41.7
	20.00	1	8.3	8.3	50.0
	21.00	3	25.0	25.0	75.0
	24.00	1	8.3	8.3	83.3
	27.00	2	16.7	16.7	100.0
	Total	12	100.0	100.0	

* Chart Builder.

GGRAPH

```
/GRAPHDATASET NAME="graphdataset" VARIABLES=Starberries rain MISSING=LISTWISE REPORTMISSING=N
/GRAPHSPEC SOURCE=INLINE.
```

BEGIN GPL

```
SOURCE: s=userSource(id("graphdataset"))
DATA: Starberries=col(source(s), name("Starberries"), unit.category())
DATA: rain=col(source(s), name("rain"), unit.category())
GUIDE: axis(dim(1), label("Starberries"))
GUIDE: axis(dim(2), label("rain"))
ELEMENT: point(position(Starberries*rain))
```

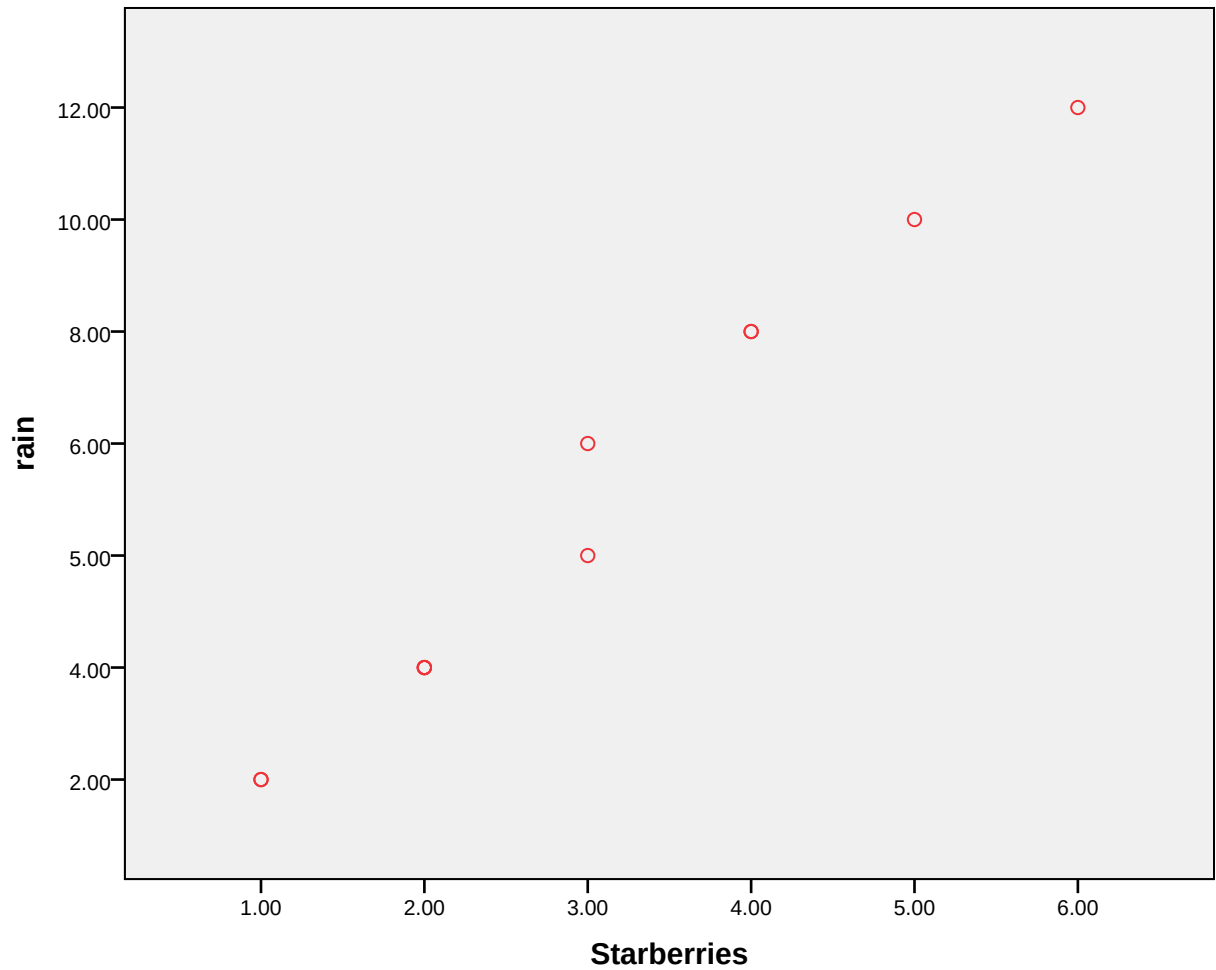
END GPL.

GGraph

Notes

Output Created		18-JUL-2018 11:46:20
Comments		
Input	Data	F:\17\Untitled1.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Syntax	<pre> GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=Starberries rain MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource (id("graphdataset")) DATA: Starberries=col (source(s), name ("Starberries"), unit. category()) DATA: rain=col(source (s), name("rain"), unit. category()) GUIDE: axis(dim(1), label ("Starberries")) GUIDE: axis(dim(2), label ("rain")) ELEMENT: point(position (Starberries*rain)) END GPL. </pre>	
Resources	Processor Time	00:00:04.27
	Elapsed Time	00:00:12.10

[DataSet0] F:\17\Untitled1.sav



* Chart Builder.

GGRAPH

/GRAPHDATASET NAME="graphdataset" VARIABLES=tomatoes rain MISSING=LISTWISE REPORTMISSING=NO

/GRAPHSPEC SOURCE=INLINE.

BEGIN GPL

SOURCE: s=userSource(id("graphdataset"))

DATA: tomatoes=col(source(s), name("tomatoes"))

DATA: rain=col(source(s), name("rain"), unit.category())

GUIDE: axis(dim(1), label("tomatoes"))

GUIDE: axis(dim(2), label("rain"))

ELEMENT: point(position(tomatoes*rain))

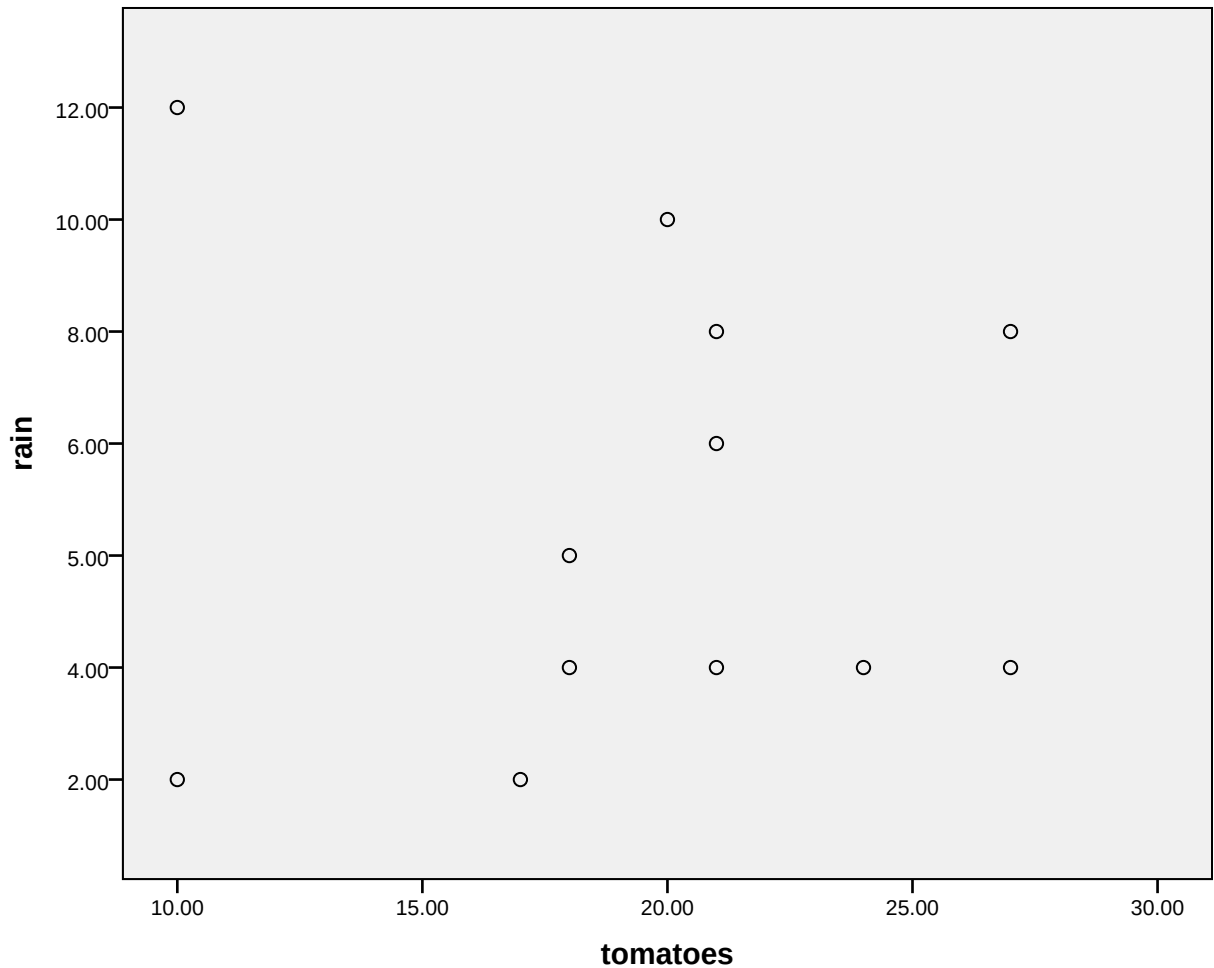
END GPL.

GGraph

Notes

Output Created		18-JUL-2018 11:52:49
Comments		
Input	Data	F:\17\Untitled1.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Syntax	<pre> GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=tomatoes rain MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource (id("graphdataset")) DATA: tomatoes=col (source(s), name ("tomatoes")) DATA: rain=col(source (s), name("rain"), unit. category()) GUIDE: axis(dim(1), label ("tomatoes")) GUIDE: axis(dim(2), label ("rain")) ELEMENT: point(position (tomatoes*rain)) END GPL. </pre>	
Resources	Processor Time	00:00:00.74
	Elapsed Time	00:00:00.78

[DataSet0] F:\17\Untitled1.sav



* Chart Builder.

GGRAPH

```
/GRAPHDATASET NAME="graphdataset" VARIABLES=Starberries sun MISSING=LISTWISE REPORTMISSING=NO
/GRAPHSPEC SOURCE=INLINE.
```

BEGIN GPL

```
SOURCE: s=userSource(id("graphdataset"))
DATA: Starberries=col(source(s), name("Starberries"), unit.category())
DATA: sun=col(source(s), name("sun"))
GUIDE: axis(dim(1), label("Starberries"))
GUIDE: axis(dim(2), label("sun"))
SCALE: linear(dim(2), include(0))
ELEMENT: point(position(Starberries*sun))
```

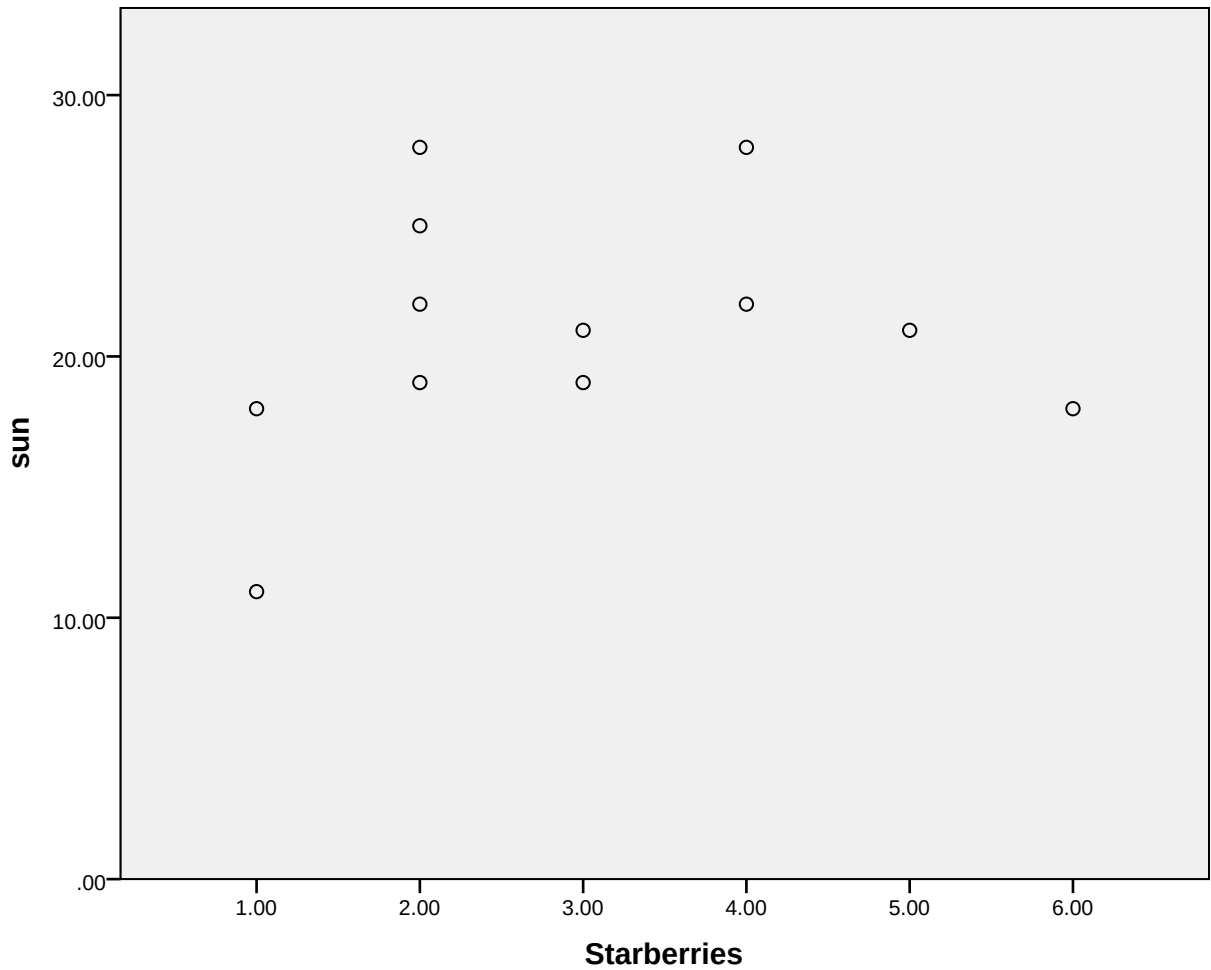
END GPL.

GGraph

Notes

Output Created		18-JUL-2018 11:54:11
Comments		
Input	Data	F:\17\Untitled1.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Syntax		<pre> GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=Starberries sun MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource (id("graphdataset")) DATA: Starberries=col (source(s), name ("Starberries"), unit. category()) DATA: sun=col(source (s), name("sun")) GUIDE: axis(dim(1), label ("Starberries")) GUIDE: axis(dim(2), label ("sun")) SCALE: linear(dim(2), include(0)) ELEMENT: point(position (Starberries*sun)) END GPL. </pre>
Resources	Processor Time	00:00:00.62
	Elapsed Time	00:00:00.94

[DataSet0] F:\17\Untitled1.sav



* Chart Builder.

GGRAPH

/GRAPHDATASET NAME="graphdataset" VARIABLES=tomatoes sun MISSING=LISTWISE REPORTMISSING=NO

/GRAPHSPEC SOURCE=INLINE.

BEGIN GPL

SOURCE: s=userSource(id("graphdataset"))

DATA: tomatoes=col(source(s), name("tomatoes"))

DATA: sun=col(source(s), name("sun"))

GUIDE: axis(dim(1), label("tomatoes"))

GUIDE: axis(dim(2), label("sun"))

ELEMENT: point(position(tomatoes*sun))

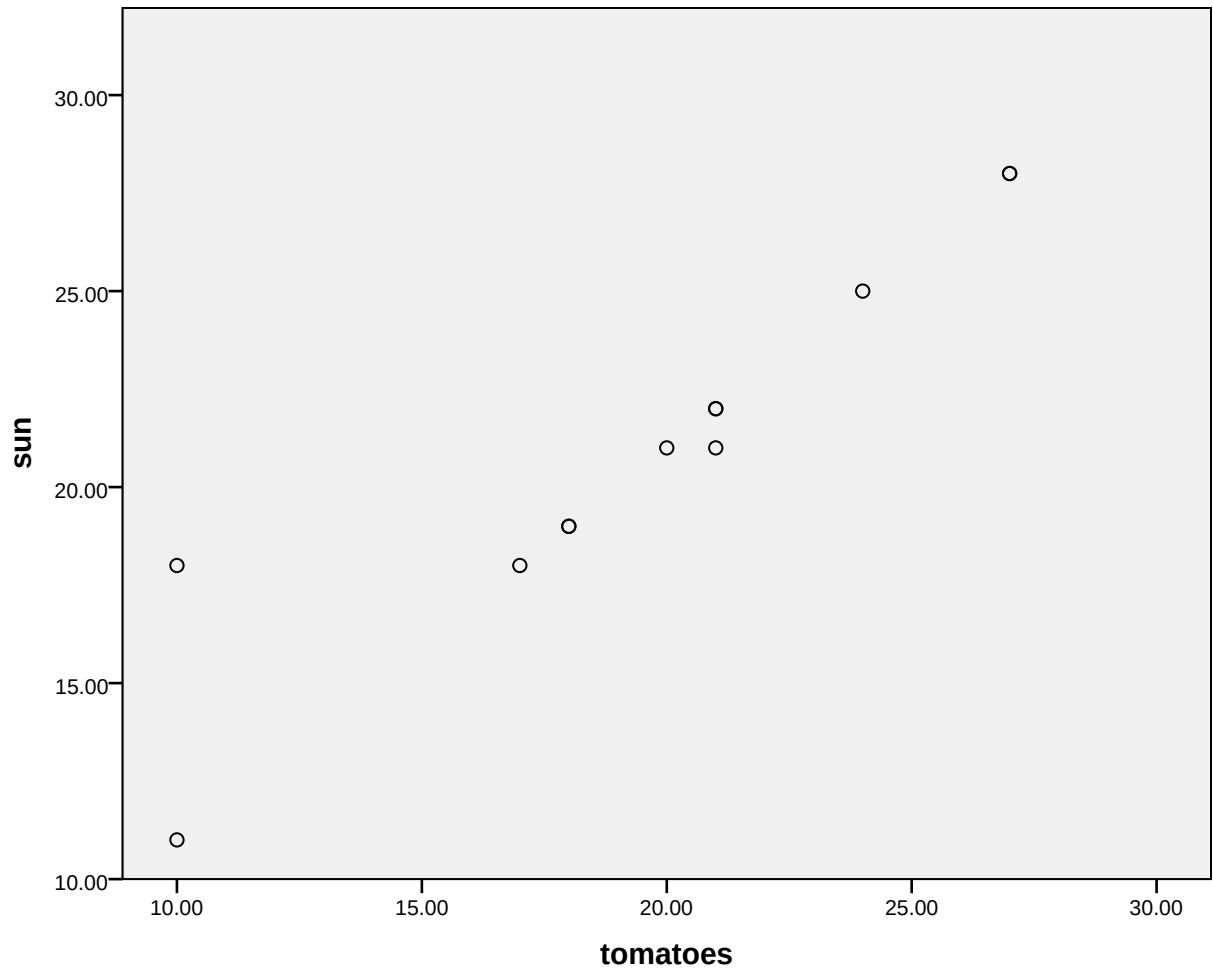
END GPL.

GGraph

Notes

Output Created		18-JUL-2018 11:54:55
Comments		
Input	Data	F:\17\Untitled1.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Syntax		<pre> GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=tomatoes sun MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource (id("graphdataset")) DATA: tomatoes=col (source(s), name ("tomatoes")) DATA: sun=col(source (s), name("sun")) GUIDE: axis(dim(1), label ("tomatoes")) GUIDE: axis(dim(2), label ("sun")) ELEMENT: point(position (tomatoes*sun)) END GPL. </pre>
Resources	Processor Time	00:00:00.67
	Elapsed Time	00:00:01.28

[DataSet0] F:\17\Untitled1.sav



```
NEW FILE.  
DATASET NAME DataSet1 WINDOW=FRONT.  
CORRELATIONS  
  /VARIABLES=HS HQ  
  /PRINT=TWOTAIL NOSIG  
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created	18-JUL-2018 12:21:50	
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	4
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=HS HQ /PRINT=TWOTAIL NOSIG...	
Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.47

[DataSet1]

Correlations

		Head Size	HQ
Head Size	Pearson Correlation	1	.601
	Sig. (2-tailed)		.399
	N	4	4
HQ	Pearson Correlation	.601	1
	Sig. (2-tailed)	.399	
	N	4	4

* Chart Builder.

GGRAPH

```
/GRAPHDATASET NAME="graphdataset" VARIABLES=HQ HS MISSING=LISTWISE REPORTMISSING=NO
/GRAPHSPEC SOURCE=INLINE.
```

BEGIN GPL

```
SOURCE: s=userSource(id("graphdataset"))
DATA: HQ=col(source(s), name("HQ"))
DATA: HS=col(source(s), name("HS"))
GUIDE: axis(dim(1), label("HQ"))
GUIDE: axis(dim(2), label("Head Size"))
ELEMENT: point(position(HQ*HS))
```

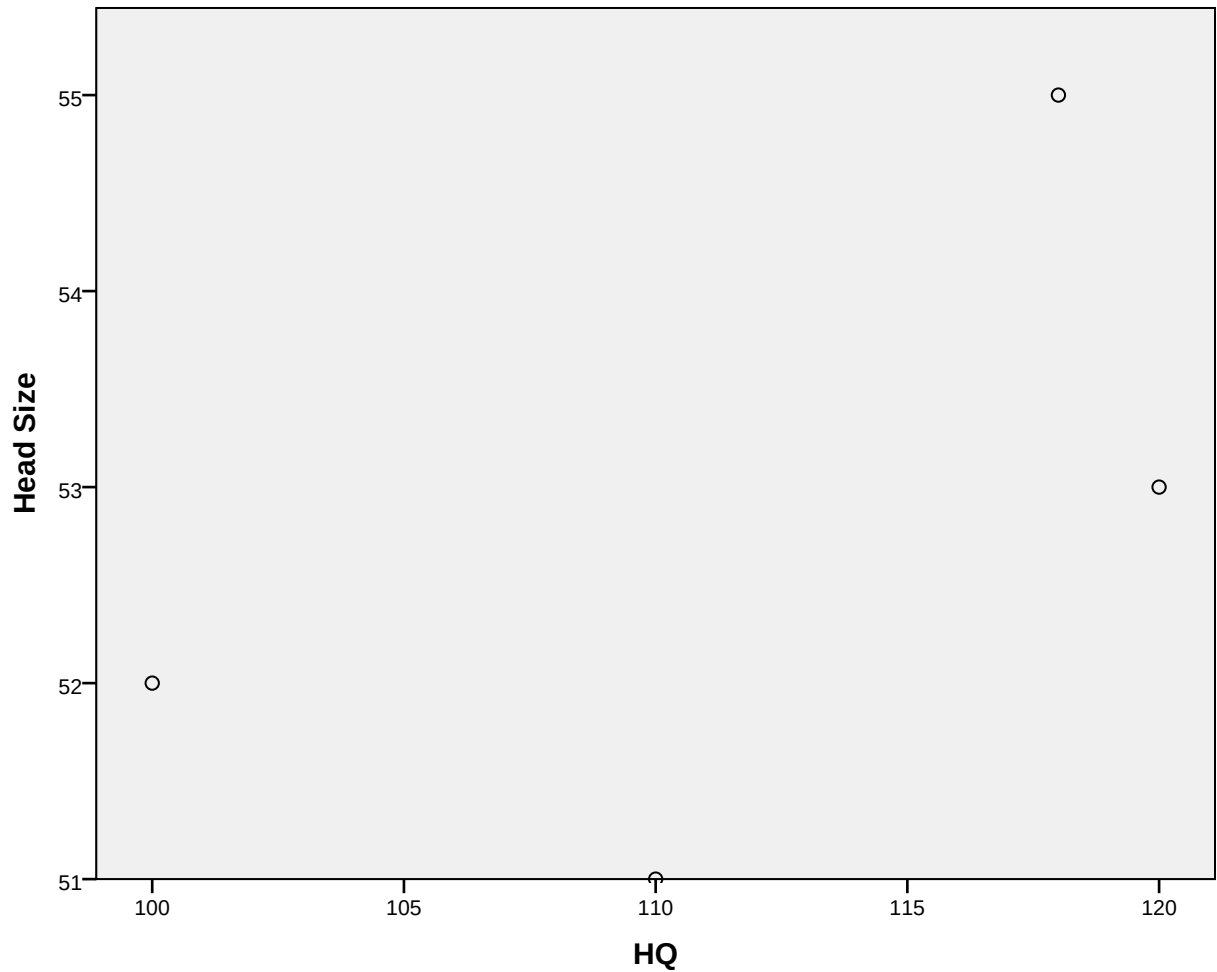
END GPL.

GGraph

Notes

Output Created		18-JUL-2018 13:28:51
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	4
Syntax		<pre>GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=HQ HS MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource (id("graphdataset")) DATA: HQ=col(source(s), name("HQ")) DATA: HS=col(source(s), name("HS")) GUIDE: axis(dim(1), label ("HQ")) GUIDE: axis(dim(2), label ("Head Size")) ELEMENT: point(position (HQ*HS)) END GPL.</pre>
Resources	Processor Time	00:00:00.99
	Elapsed Time	00:00:07.56

[DataSet1]



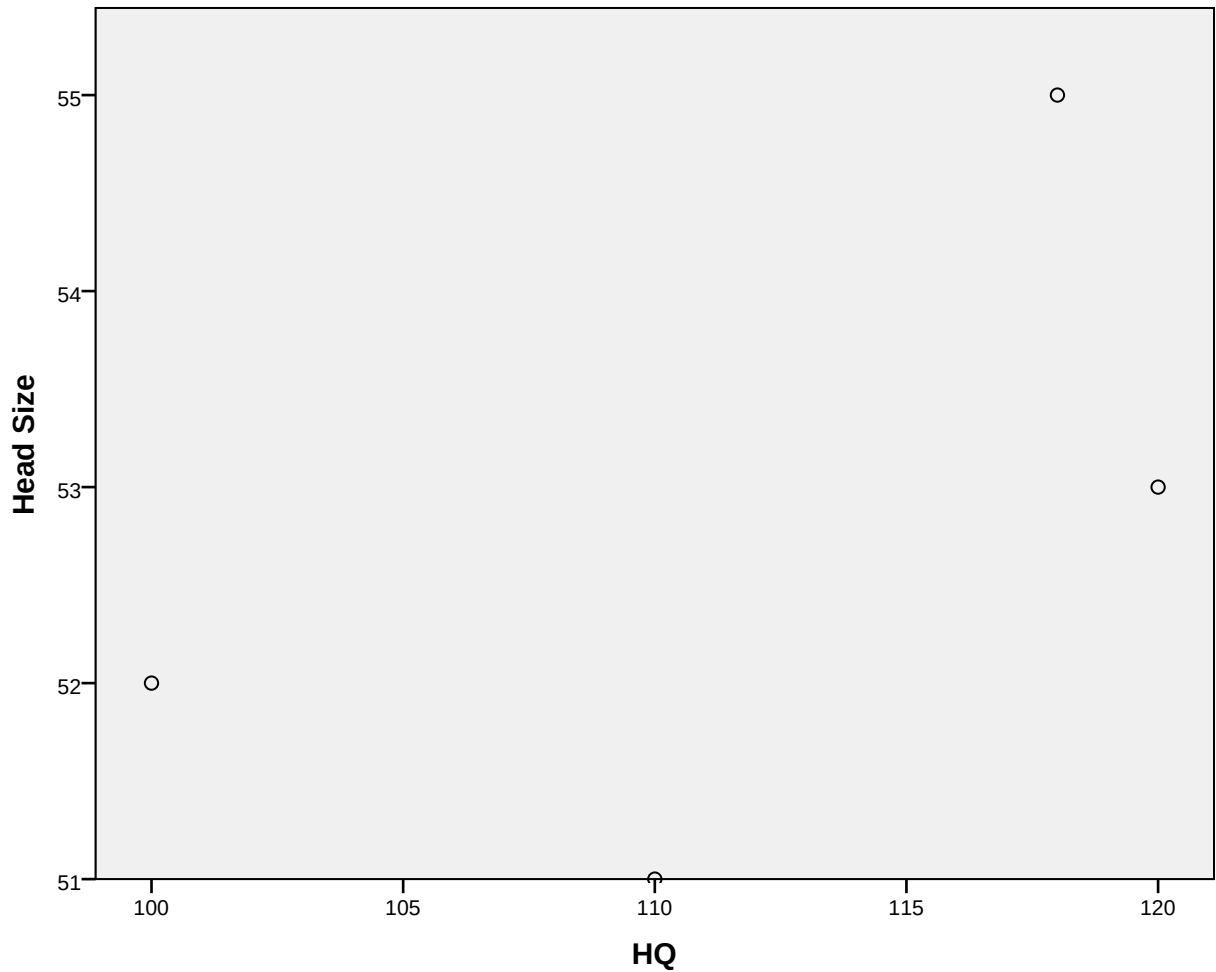
```
* Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=HQ HS MISSING=LISTWISE REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: HQ=col(source(s), name("HQ"))
  DATA: HS=col(source(s), name("HS"))
  GUIDE: axis(dim(1), label("HQ"))
  GUIDE: axis(dim(2), label("Head Size"))
  ELEMENT: point(position(HQ*HS))
END GPL.
```

GGraph

Notes

Output Created	18-JUL-2018 13:29:33	
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	4
Syntax	<pre>GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=HQ HS MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource (id("graphdataset")) DATA: HQ=col(source(s), name("HQ")) DATA: HS=col(source(s), name("HS")) GUIDE: axis(dim(1), label ("HQ")) GUIDE: axis(dim(2), label ("Head Size")) ELEMENT: point(position (HQ*HS)) END GPL.</pre>	
Resources	Processor Time	00:00:00.62
	Elapsed Time	00:00:01.24

[DataSet1]



* Chart Builder.

GGRAPH

/GRAPHDATASET NAME="graphdataset" VARIABLES=HS HQ MISSING=LISTWISE REPORTMISSING=NO

/GRAPHSPEC SOURCE=INLINE.

BEGIN GPL

SOURCE: s=userSource(id("graphdataset"))

DATA: HS=col(source(s), name("HS"))

DATA: HQ=col(source(s), name("HQ"))

TRANS: HS_HQ=eval("Head Size - HQ")

TRANS: HS_HS=eval("Head Size - Head Size")

TRANS: HQ_HQ=eval("HQ - HQ")

TRANS: HQ_HS=eval("HQ - Head Size")

ELEMENT: point(position(HS*HQ), color.exterior(HS_HQ))

ELEMENT: point(position(HS*HS), color.exterior(HS_HS))

ELEMENT: point(position(HQ*HQ), color.exterior(HQ_HQ))

ELEMENT: point(position(HQ*HS), color.exterior(HQ_HS))

END GPL.

GGraph

Notes

Output Created	18-JUL-2018 13:30:47	
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	4
Syntax	<pre> GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=HS HQ MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource (id("graphdataset")) DATA: HS=col(source(s), name("HS")) DATA: HQ=col(source(s), name("HQ")) TRANS: HS_HQ=eval ("Head Size - HQ") TRANS: HS_HS=eval ("Head Size - Head Size") TRANS: HQ_HQ=eval ("HQ - HQ") TRANS: HQ_HS=eval ("HQ - Head Size") ELEMENT: point(position (HS*HQ), color.exterior (HS_HQ)) ELEMENT: point(position (HS*HS), color.exterior (HS_HS)) ELEMENT: point(position (HQ*HQ), color.exterior (HQ_HQ)) ELEMENT: point(position (HQ*HS), color.exterior (HQ_HS)) END GPL. </pre>	
Resources	Processor Time	00:00:01.09
	Elapsed Time	00:00:07.83

[DataSet1]

