

```

GET
  FILE='W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TrotSpeed
s.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT TrotSpeed
  /METHOD=ENTER BodyMass
  /SAVE RESID.

```

Regression

Notes

Output Created		19-JUL-2017 17:49:08
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TrotSpeeds.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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 TrotSpeed /METHOD=ENTER BodyMass /SAVE RESID.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.06

Notes

	Memory Required	2480 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	RES_1	Unstandardized Residual

[DataSet1] W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TrotSpeeds.sav

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Body Mass ^b	.	Enter

a. Dependent Variable: Trot Speed

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.731 ^a	.535	.509	.38782

a. Predictors: (Constant), Body Mass

b. Dependent Variable: Trot Speed

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3.109	1	3.109	20.672	.000 ^b
	Residual	2.707	18	.150		
	Total	5.816	19			

a. Dependent Variable: Trot Speed

b. Predictors: (Constant), Body Mass

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.989	.116		8.532	.000
	Body Mass	.005	.001	.731	4.547	.000

a. Dependent Variable: Trot Speed

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	.9896	2.1575	1.3395	.40452	20
Residual	-.88142	.47914	.00000	.37747	20
Std. Predicted Value	-.865	2.022	.000	1.000	20
Std. Residual	-2.273	1.235	.000	.973	20

a. Dependent Variable: Trot Speed

* Chart Builder.

GGRAPH

```
/GRAPHDATASET NAME="graphdataset" VARIABLES=BodyMass RES_1 MISSING=LISTWISE
REPORTMISSING=NO
```

```
/GRAPHSPEC SOURCE=INLINE.
```

BEGIN GPL

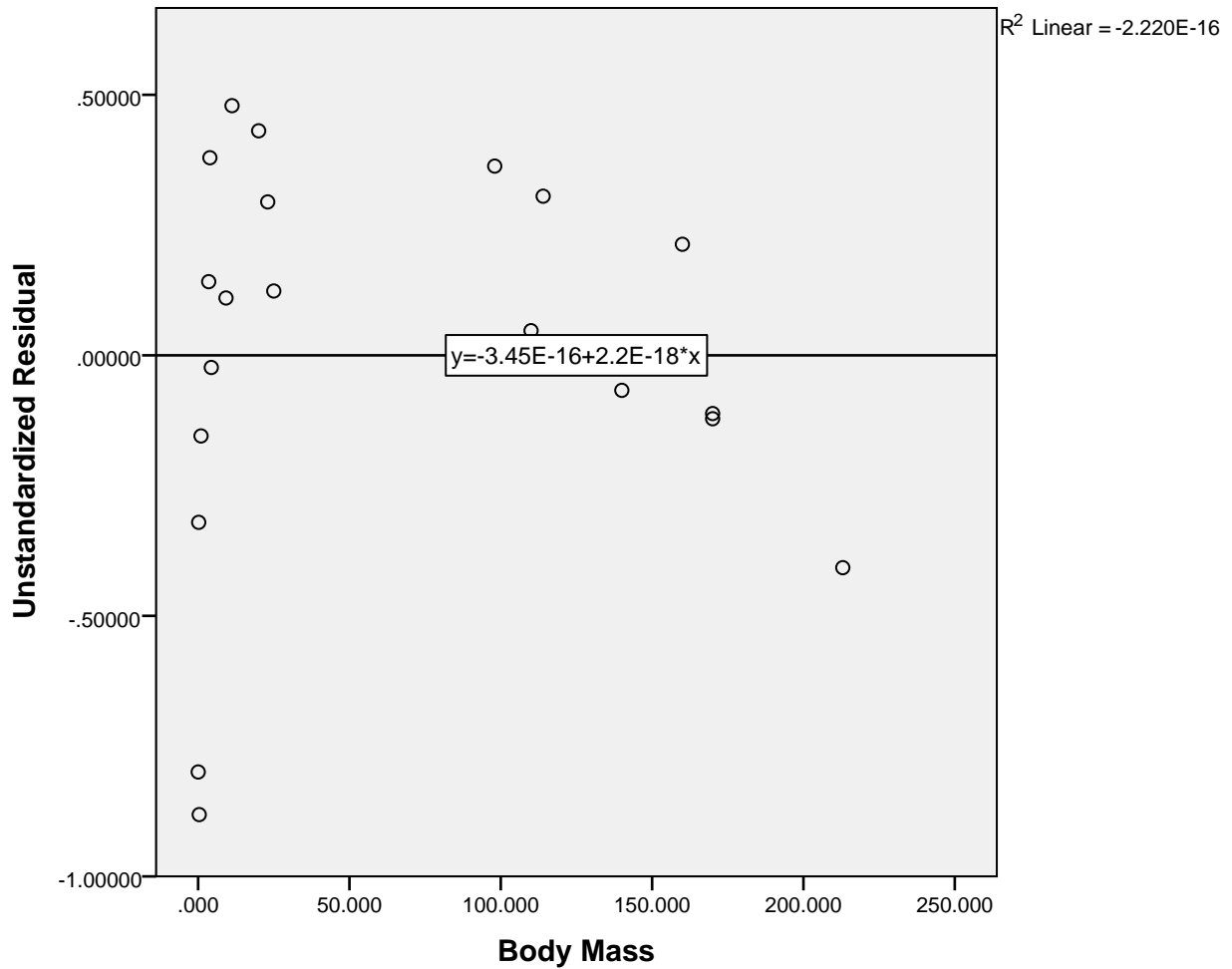
```
SOURCE: s=userSource(id("graphdataset"))
DATA: BodyMass=col(source(s), name("BodyMass"))
DATA: RES_1=col(source(s), name("RES_1"))
GUIDE: axis(dim(1), label("Body Mass"))
GUIDE: axis(dim(2), label("Unstandardized Residual"))
ELEMENT: point(position(BodyMass*RES_1))
```

END GPL.

GGraph

Notes

Output Created		19-JUL-2017 17:51:35
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TrotSpeeds.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Syntax		GGRAPH /GRAPHDATASET NAME=" graphdataset" VARIABLES=BodyMass RES_1 MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id ("graphdataset")) DATA: BodyMass=col(source(s), name("BodyMass")) DATA: RES_1=col(source(s), name ("RES_1")) GUIDE: axis(dim(1), label("Body Mass")) GUIDE: axis(dim(2), label ("Unstandardized Residual")) ELEMENT: point(position (BodyMass*RES_1)) END GPL.
Resources	Processor Time	00:00:01.62
	Elapsed Time	00:00:02.17



```

COMPUTE log_body_mass=LG10(BodyMass) .
EXECUTE.
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT TrotSpeed
  /METHOD=ENTER log_body_mass
  /SAVE RESID.

```

Regression

Notes

Output Created		19-JUL-2017 17:54:34
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TrotSpeeds.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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 TrotSpeed /METHOD=ENTER log_body_mass /SAVE RESID.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.09
	Memory Required	2560 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	RES_2	Unstandardized Residual

Variables Entered/Removed^a

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

a. Dependent Variable: Trot Speed

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.939 ^a	.882	.875	.19559

a. Predictors: (Constant), log_body_mass

b. Dependent Variable: Trot Speed

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	5.128	1	5.128	134.031	.000 ^b
	Residual	.689	18	.038		
	Total	5.816	19			

a. Dependent Variable: Trot Speed

b. Predictors: (Constant), log_body_mass

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.821	.063		13.113	.000
	log_body_mass	.464	.040	.939	11.577	.000

a. Dependent Variable: Trot Speed

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	.1079	1.9007	1.3395	.51950	20
Residual	-.50627	.29549	.00000	.19038	20
Std. Predicted Value	-2.371	1.080	.000	1.000	20
Std. Residual	-2.588	1.511	.000	.973	20

a. Dependent Variable: Trot Speed

* Chart Builder.

GGRAPH

/GRAPHDATASET NAME="graphdataset" VARIABLES=BodyMass RES_2 MISSING=LISTWISE
REPORTMISSING=NO

```

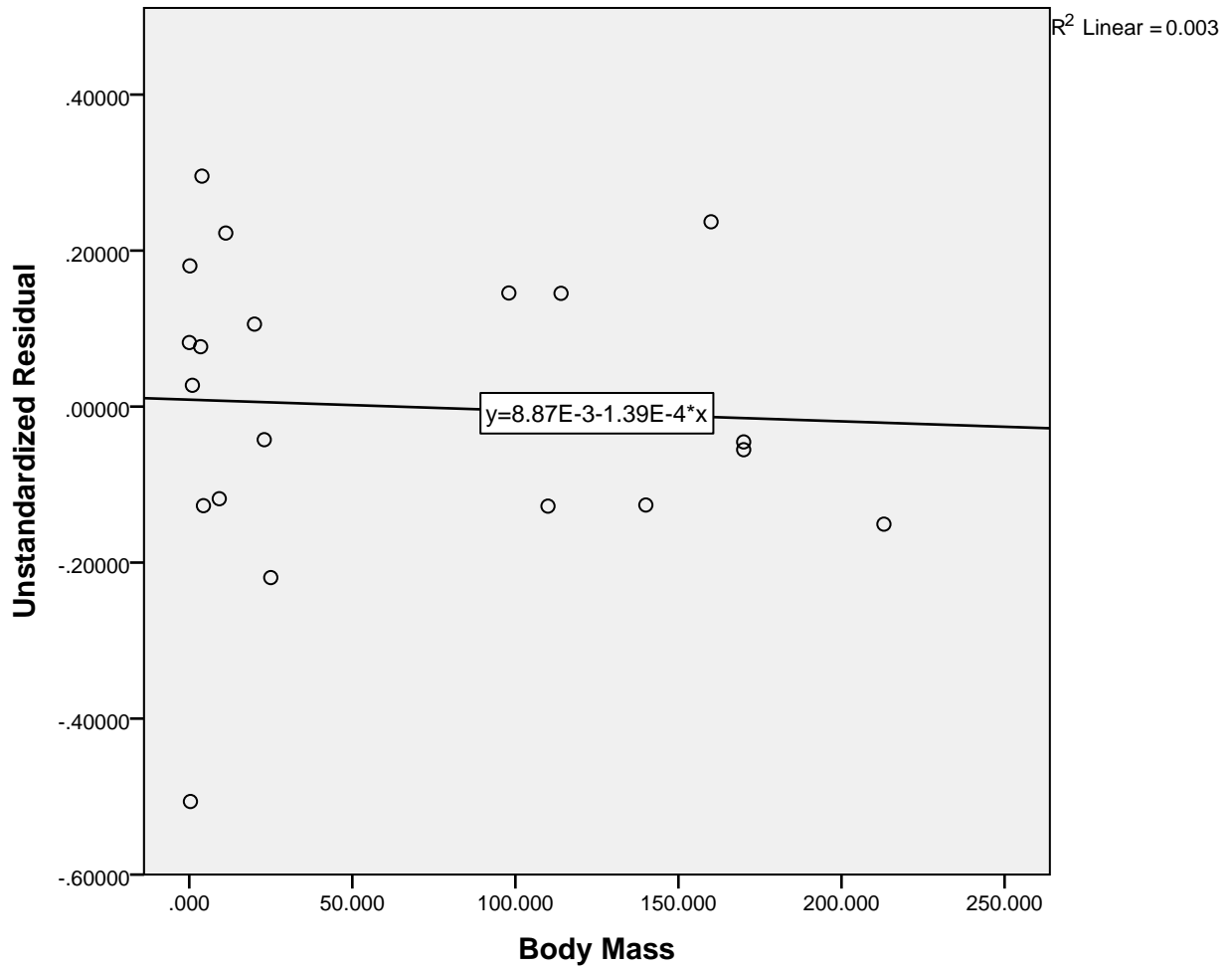
/GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
SOURCE: s=userSource(id("graphdataset"))
DATA: BodyMass=col(source(s), name("BodyMass"))
DATA: RES_2=col(source(s), name("RES_2"))
GUIDE: axis(dim(1), label("Body Mass"))
GUIDE: axis(dim(2), label("Unstandardized Residual"))
ELEMENT: point(position(BodyMass*RES_2))
END GPL.

```

GGraph

Notes

Output Created	19-JUL-2017 17:55:27	
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TrotSpeeds.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Syntax	GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=BodyMass RES_2 MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id("graphdataset")) DATA: BodyMass=col(source(s), name("BodyMass")) DATA: RES_2=col(source(s), name("RES_2")) GUIDE: axis(dim(1), label("Body Mass")) GUIDE: axis(dim(2), label("Unstandardized Residual")) ELEMENT: point(position(BodyMass*RES_2)) END GPL.	
Resources	Processor Time	00:00:00.53
	Elapsed Time	00:00:00.30



* Chart Builder.

GGRAPH

/GRAPHDATASET NAME="graphdataset" VARIABLES=log_body_mass TrotSpeed MISSING= LISTWISE

REPORTMISSING=NO

/GRAPHSPEC SOURCE=INLINE.

BEGIN GPL

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

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

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

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

GUIDE: axis(dim(2), label("Trot Speed"))

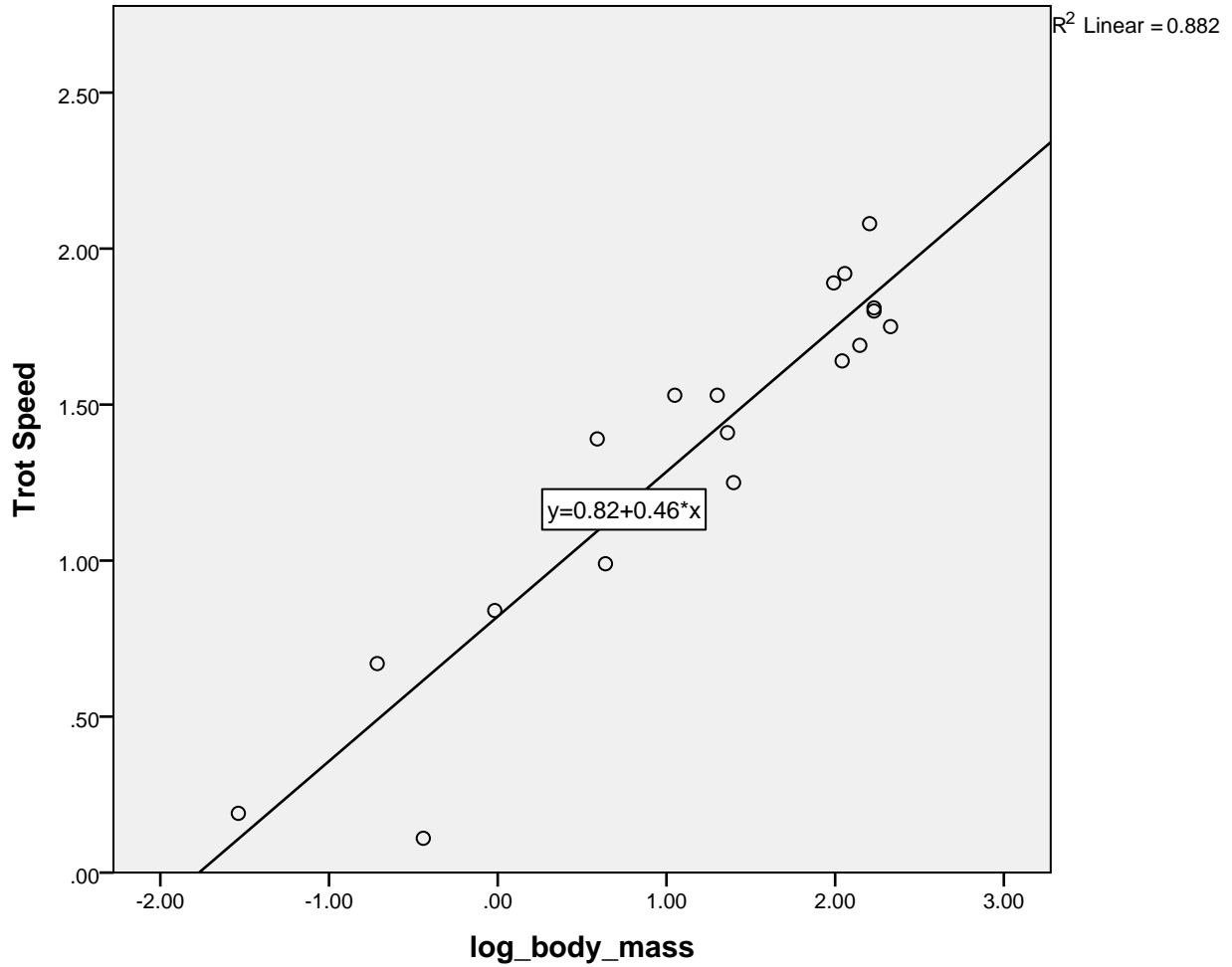
ELEMENT: point(position(log_body_mass*TrotSpeed))

END GPL.

GGraph

Notes

Output Created		19-JUL-2017 17:57:20
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TrotSpeeds.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data	20
	File	
Syntax		GGRAPH /GRAPHDATASET NAME=" graphdataset" VARIABLES=log_body_mass TrotSpeed MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id ("graphdataset")) DATA: log_body_mass=col(source (s), name("log_body_mass")) DATA: TrotSpeed=col(source(s), name("TrotSpeed")) GUIDE: axis(dim(1), label ("log_body_mass")) GUIDE: axis(dim(2), label("Trot Speed")) ELEMENT: point(position (log_body_mass*TrotSpeed)) END GPL.
Resources	Processor Time	00:00:00.36
	Elapsed Time	00:00:00.28



```

GET
  FILE='W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookP
rices.sav'.
DATASET NAME DataSet2 WINDOW=FRONT.
* Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Pages Price MISSING=LISTWISE REP
ORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Pages=col(source(s), name("Pages"))
  DATA: Price=col(source(s), name("Price"))
  GUIDE: axis(dim(1), label("Pages"))

```

```

GUIDE: axis(dim(2), label("Price"))
ELEMENT: point(position(Pages*Price))
END GPL.

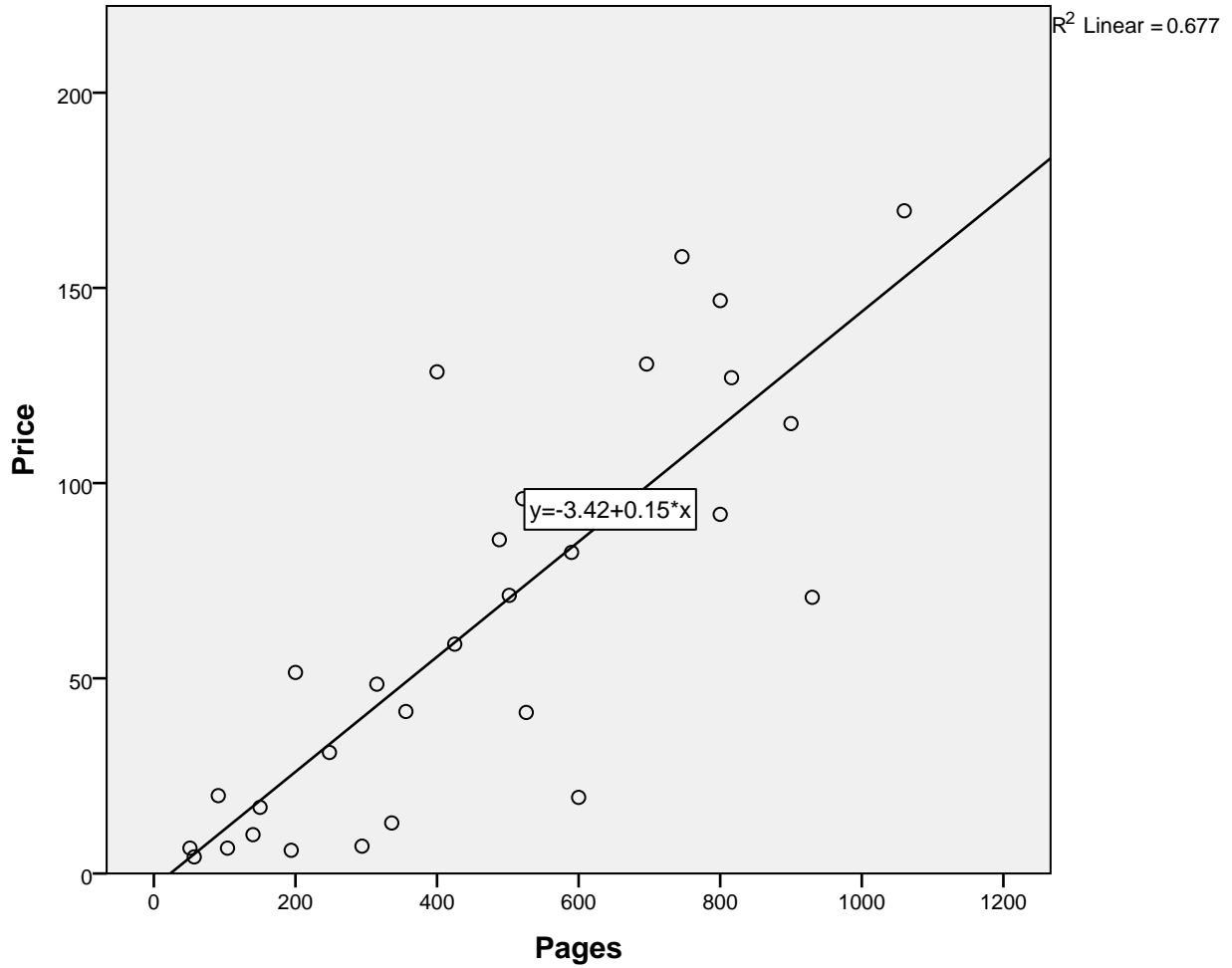
```

GGraph

Notes

Output Created		19-JUL-2017 18:02:33
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Syntax		<pre> GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=Pages Price MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id("graphdataset")) DATA: Pages=col(source(s), name("Pages")) DATA: Price=col(source(s), name("Price")) GUIDE: axis(dim(1), label("Pages")) GUIDE: axis(dim(2), label("Price")) ELEMENT: point(position(Pages*Price)) END GPL. </pre>
Resources	Processor Time	00:00:00.37
	Elapsed Time	00:00:00.33

[DataSet2] W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav



* Chart Builder.

GGRAPH

/GRAPHDATASET NAME="graphdataset" VARIABLES=Year Price MISSING=LISTWISE REPO
RTMISSING=NO

/GRAPHSPEC SOURCE=INLINE.

BEGIN GPL

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

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

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

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

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

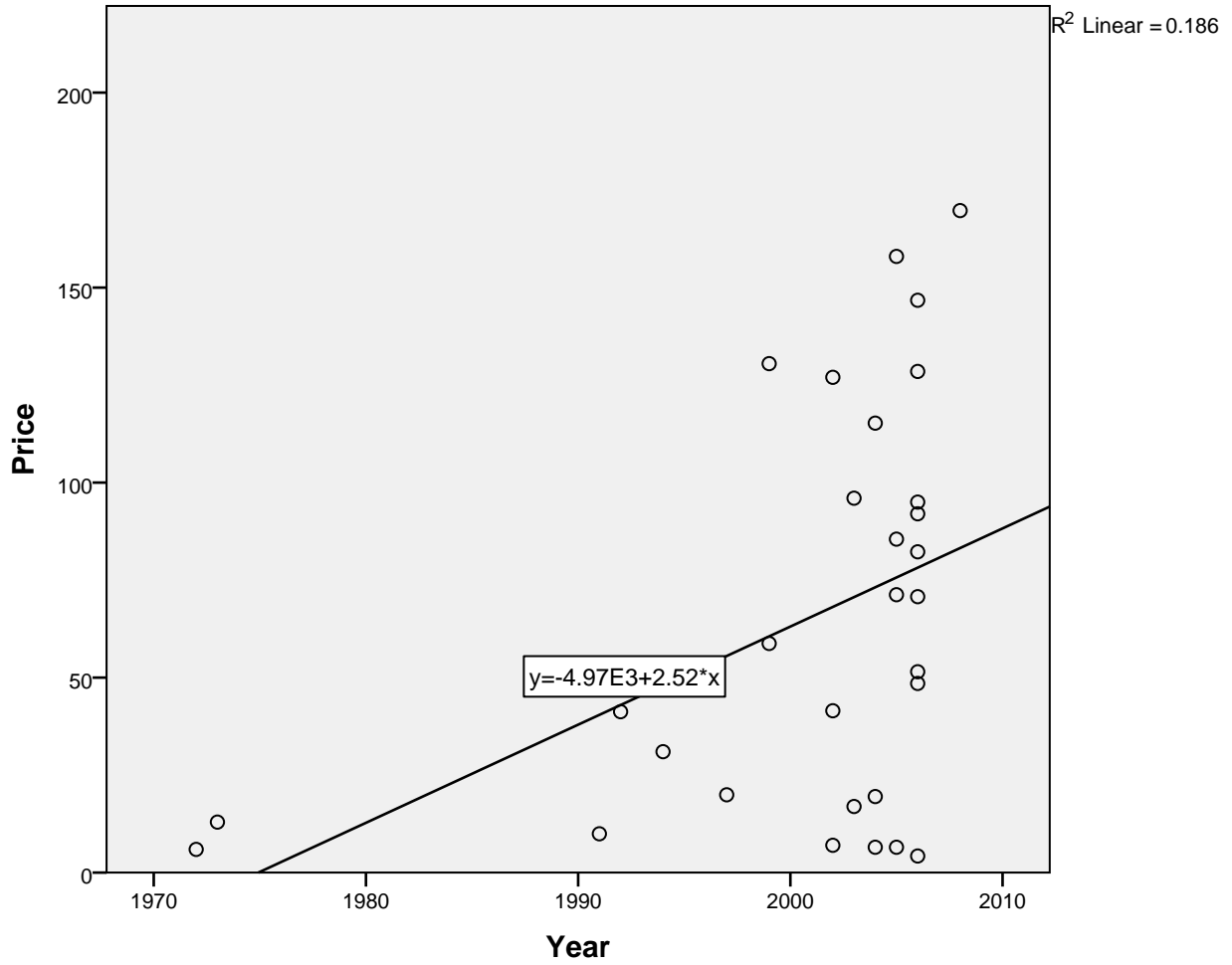
ELEMENT: point(position(Year*Price))

END GPL.

GGraph

Notes

Output Created		19-JUL-2017 18:06:02
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Syntax		GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=Year Price MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id ("graphdataset")) DATA: Year=col(source(s), name ("Year")) DATA: Price=col(source(s), name ("Price")) GUIDE: axis(dim(1), label("Year")) GUIDE: axis(dim(2), label("Price")) ELEMENT: point(position (Year*Price)) END GPL.
Resources	Processor Time	00:00:00.30
	Elapsed Time	00:00:00.27



```

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

```

Regression

Notes

Output Created		19-JUL-2017 18:08:54
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
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 Price /METHOD=ENTER Pages.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02
	Memory Required	2448 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Entered/Removed^a

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

a. Dependent Variable: Price

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.823 ^a	.677	.665	29.760

a. Predictors: (Constant), Pages

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	51877.030	1	51877.030	58.573	.000 ^b
	Residual	24799.187	28	885.685		
	Total	76676.217	29			

a. Dependent Variable: Price

b. Predictors: (Constant), Pages

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-3.422	10.464		-.327	.746
	Pages	.147	.019	.823	7.653	.000

a. Dependent Variable: Price

REGRESSION

```
/MISSING LISTWISE  
/STATISTICS COEFF OUTS R ANOVA  
/CRITERIA=PIN(.05) POUT(.10)  
/NOORIGIN  
/DEPENDENT Price  
/METHOD=ENTER Year.
```

Regression

Notes

Output Created		19-JUL-2017 18:09:44
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
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 Price /METHOD=ENTER Year.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.05
	Memory Required	2448 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Entered/Removed^a

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

a. Dependent Variable: Price

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.431 ^a	.186	.157	47.212

a. Predictors: (Constant), Year

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	14266.130	1	14266.130	6.400	.017 ^b
	Residual	62410.087	28	2228.932		
	Total	76676.217	29			

a. Dependent Variable: Price

b. Predictors: (Constant), Year

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-4969.220	1989.908		-2.497	.019
	Year	2.516	.995	.431	2.530	.017

a. Dependent Variable: Price

REGRESSION

```

/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT Price
/METHOD=ENTER Year
/SAVE RESID.

```

Regression

Notes

Output Created		19-JUL-2017 18:14:38
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
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 Price /METHOD=ENTER Year /SAVE RESID.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.02
	Memory Required	2448 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	RES_1	Unstandardized Residual

Variables Entered/Removed^a

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

a. Dependent Variable: Price

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.431 ^a	.186	.157	47.212

a. Predictors: (Constant), Year

b. Dependent Variable: Price

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	14266.130	1	14266.130	6.400	.017 ^b
	Residual	62410.087	28	2228.932		
	Total	76676.217	29			

a. Dependent Variable: Price

b. Predictors: (Constant), Year

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-4969.220	1989.908		-2.497	.019
	Year	2.516	.995	.431	2.530	.017

a. Dependent Variable: Price

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	-7.36	83.22	65.02	22.180	30
Residual	-73.935	86.533	.000	46.390	30
Std. Predicted Value	-3.263	.821	.000	1.000	30
Std. Residual	-1.566	1.833	.000	.983	30

a. Dependent Variable: Price

* Chart Builder.

GGRAPH

/GRAPHDATASET NAME="graphdataset" VARIABLES=Year RES_1 MISSING=LISTWISE REPORTMISSING=NO

```

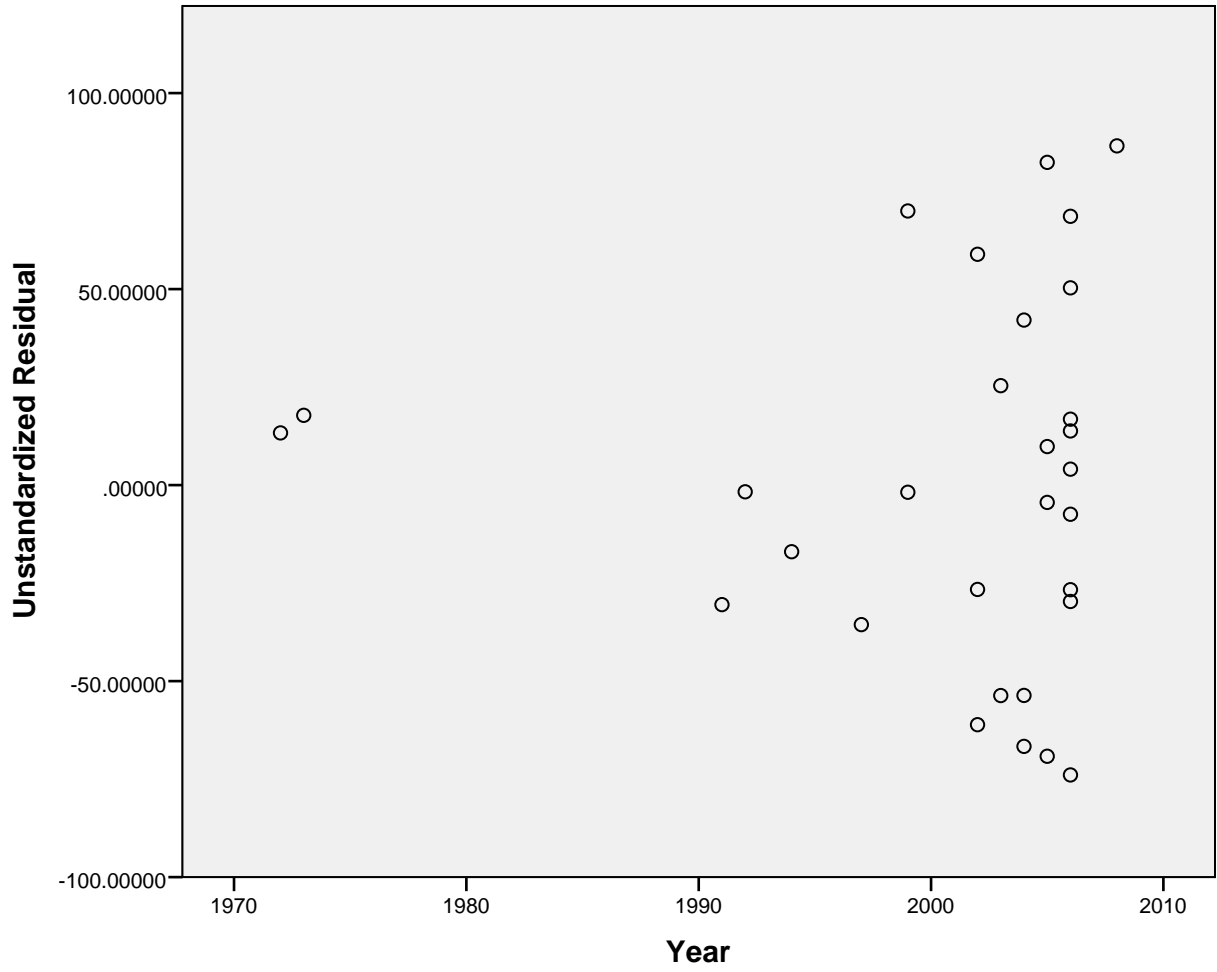
/GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
SOURCE: s=userSource(id("graphdataset"))
DATA: Year=col(source(s), name("Year"))
DATA: RES_1=col(source(s), name("RES_1"))
GUIDE: axis(dim(1), label("Year"))
GUIDE: axis(dim(2), label("Unstandardized Residual"))
ELEMENT: point(position(Year*RES_1))
END GPL.

```

GGraph

Notes

Output Created	19-JUL-2017 18:15:31	
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Syntax	GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=Year RES_1 MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id("graphdataset")) DATA: Year=col(source(s), name("Year")) DATA: RES_1=col(source(s), name("RES_1")) GUIDE: axis(dim(1), label("Year")) GUIDE: axis(dim(2), label("Unstandardized Residual")) ELEMENT: point(position(Year*RES_1)) END GPL.	
Resources	Processor Time	00:00:00.37
	Elapsed Time	00:00:00.30



```

REGRESSION
/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT Price
/METHOD=ENTER Pages
/SAVE RESID.

```

Regression

Notes

Output Created		19-JUL-2017 18:16:25
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
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 Price /METHOD=ENTER Pages /SAVE RESID.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.02
	Memory Required	2480 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	RES_2	Unstandardized Residual

Variables Entered/Removed^a

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

a. Dependent Variable: Price

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.823 ^a	.677	.665	29.760

a. Predictors: (Constant), Pages

b. Dependent Variable: Price

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	51877.030	1	51877.030	58.573	.000 ^b
	Residual	24799.187	28	885.685		
	Total	76676.217	29			

a. Dependent Variable: Price

b. Predictors: (Constant), Pages

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-3.422	10.464		-.327	.746
	Pages	.147	.019	.823	7.653	.000

a. Dependent Variable: Price

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	4.09	152.75	65.02	42.295	30
Residual	-65.475	72.991	.000	29.243	30
Std. Predicted Value	-1.440	2.074	.000	1.000	30
Std. Residual	-2.200	2.453	.000	.983	30

a. Dependent Variable: Price

* Chart Builder.

GGRAPH

/GRAPHDATASET NAME="graphdataset" VARIABLES=Year RES_2 MISSING=LISTWISE REPORTMISSING=NO

```

/GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
SOURCE: s=userSource(id("graphdataset"))
DATA: Year=col(source(s), name("Year"))
DATA: RES_2=col(source(s), name("RES_2"))
GUIDE: axis(dim(1), label("Year"))
GUIDE: axis(dim(2), label("Unstandardized Residual"))
ELEMENT: point(position(Year*RES_2))
END GPL.

```

Notes

Output Created		19-JUL-2017 18:16:53
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Syntax		GGRAPH /GRAPHDATASET NAME=" graphdataset" VARIABLES=Year RES_2 MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id ("graphdataset")) DATA: Year=col(source(s), name ("Year")) DATA: RES_2=col(source(s), name ("RES_2")) GUIDE: axis(dim(1), label("Year")) GUIDE: axis(dim(2), label ("Unstandardized Residual")) ELEMENT: point(position (Year*RES_2)) END GPL.
Resources	Processor Time	00:00:00.31
	Elapsed Time	00:00:00.30

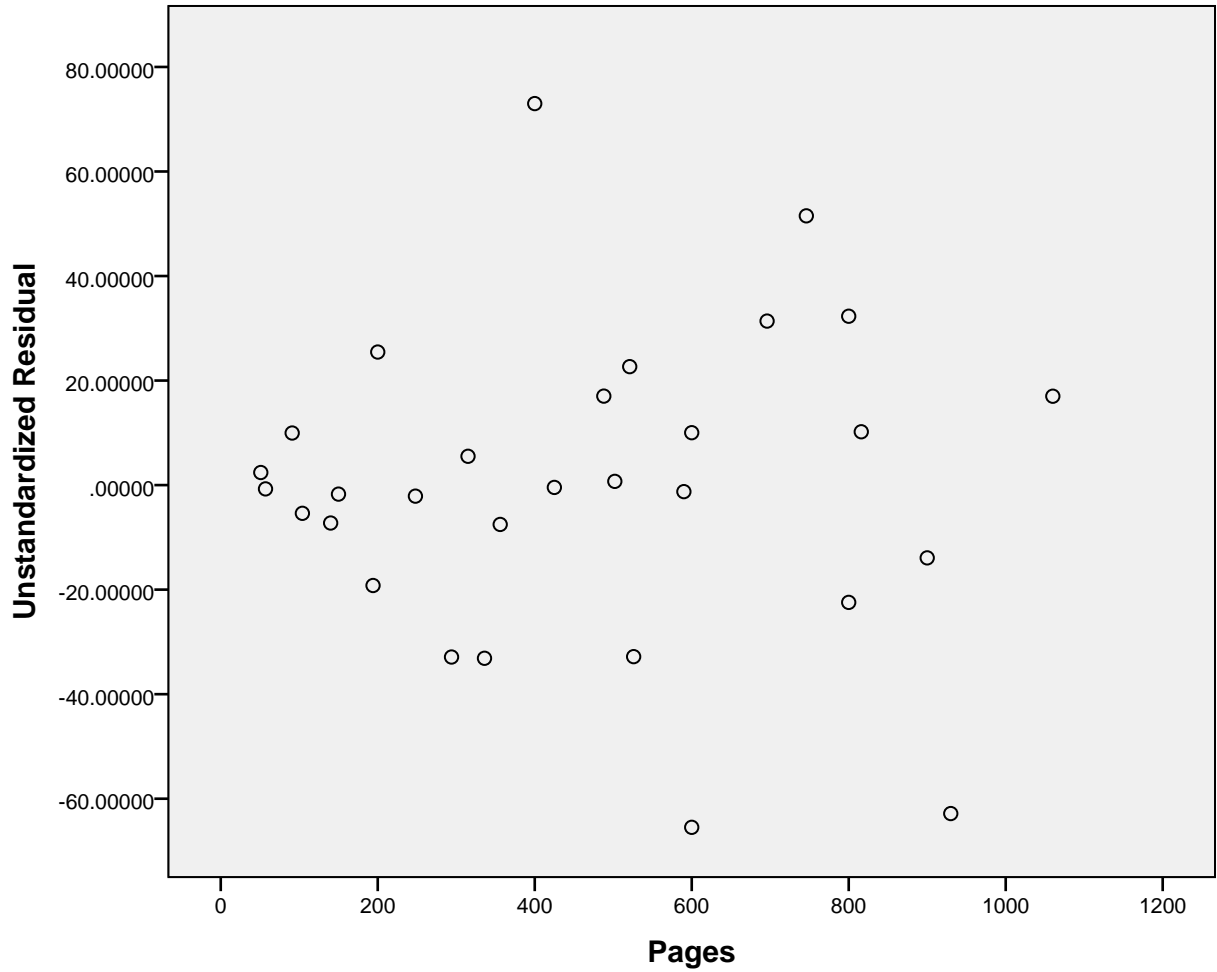
Notes

Output Created		19-JUL-2017 18:17:20
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Syntax		GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=Year RES_2 MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id ("graphdataset")) DATA: Year=col(source(s), name ("Year")) DATA: RES_2=col(source(s), name ("RES_2")) GUIDE: axis(dim(1), label("Year")) GUIDE: axis(dim(2), label ("Unstandardized Residual")) ELEMENT: point(position (Year*RES_2)) END GPL.
Resources	Processor Time	00:00:00.27
	Elapsed Time	00:00:00.28

GGraph

Notes

Output Created		19-JUL-2017 18:17:58
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Syntax		GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=Pages RES_2 MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id ("graphdataset")) DATA: Pages=col(source(s), name ("Pages")) DATA: RES_2=col(source(s), name ("RES_2")) GUIDE: axis(dim(1), label ("Pages")) GUIDE: axis(dim(2), label ("Unstandardized Residual")) ELEMENT: point(position (Pages*RES_2)) END GPL.
Resources	Processor Time	00:00:00.31
	Elapsed Time	00:00:00.25



```

SORT CASES BY Year (D).
SORT CASES BY Year (A).
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT Price
  /METHOD=ENTER Year
  /SAVE RESID.

```

Regression

Notes

Output Created		19-JUL-2017 18:19:40
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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 Price /METHOD=ENTER Year /SAVE RESID.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02
	Memory Required	2528 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	RES_3	Unstandardized Residual

Variables Entered/Removed^a

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

a. Dependent Variable: Price

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.374 ^a	.140	.107	48.137

a. Predictors: (Constant), Year

b. Dependent Variable: Price

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	9788.156	1	9788.156	4.224	.050 ^b
	Residual	60247.158	26	2317.198		
	Total	70035.314	27			

a. Dependent Variable: Price

b. Predictors: (Constant), Year

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-8452.219	4146.037		-2.039	.052
	Year	4.255	2.070	.374	2.055	.050

a. Dependent Variable: Price

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	18.84	91.17	68.99	19.040	28
Residual	-78.411	79.593	.000	47.237	28
Std. Predicted Value	-2.634	1.165	.000	1.000	28
Std. Residual	-1.629	1.653	.000	.981	28

a. Dependent Variable: Price

* Chart Builder.

GGRAPH

/GRAPHDATASET NAME="graphdataset" VARIABLES=Year Price MISSING=LISTWISE REPORTMISSING=NO

```

/GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
SOURCE: s=userSource(id("graphdataset"))
DATA: Year=col(source(s), name("Year"))
DATA: Price=col(source(s), name("Price"))
GUIDE: axis(dim(1), label("Year"))
GUIDE: axis(dim(2), label("Price"))
ELEMENT: point(position(Year*Price))
END GPL.

```

GGraph

Notes

Output Created		19-JUL-2017 18:20:17
Input	Data	W:\syr\CourseInformation\MTH 110\dilmore\SPSS Data Files WS4\TextbookPrices.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
Syntax		GGRAPH /GRAPHDATASET NAME=" graphdataset" VARIABLES=Year Price MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id ("graphdataset")) DATA: Year=col(source(s), name ("Year")) DATA: Price=col(source(s), name ("Price")) GUIDE: axis(dim(1), label("Year")) GUIDE: axis(dim(2), label("Price")) ELEMENT: point(position (Year*Price)) END GPL.
Resources	Processor Time	00:00:00.30
	Elapsed Time	00:00:00.28

