```
REGRESSION
  /DESCRIPTIVES MEAN STDDEV CORR SIG N
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS CI(95) R ANOVA COLLIN TOL CHANGE ZPP
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT paeduc
  /METHOD=ENTER maeduc
  /SCATTERPLOT=(paeduc ,paeduc)
  /RESIDUALS HISTOGRAM(ZRESID) NORMPROB(ZRESID).
```

Regression

Notes

Output Created		**14-SEP-2024 14:44:49**
Comments		
Input	Data	**C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\gss.sav**
	Active Dataset	**DataSet1**
	Filter	**<none>**
	Weight	**<none>**
	Split File	**<none>**
	N of Rows in Working Data File	**1419**
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 /DESCRIPTIVES MEAN STDDEV CORR SIG N /MISSING LISTWISE /STATISTICS COEFF OUTS CI (95) R ANOVA COLLIN TOL CHANGE ZPP /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT paeduc /METHOD=ENTER maeduc /SCATTERPLOT=(paeduc , paeduc) /RESIDUALS HISTOGRAM (ZRESID) NORMPROB(ZRESID).**
Resources	Processor Time	**00:00:00.23**
	Elapsed Time	**00:00:00.26**
	Memory Required	**4208 bytes**
	Additional Memory Required for Residual Plots	**896 bytes**

Descriptive Statistics

	Mean	Std. Deviation	N
HIGHEST YEAR SCHOOL COMPLETED, FATHER	**11.35**	**4.104**	**907**
HIGHEST YEAR SCHOOL COMPLETED, MOTHER	**11.55**	**3.452**	**907**

Correlations

		HIGHEST YEAR SCHOOL COMPLETED, FATHER	HIGHEST YEAR SCHOOL COMPLETED, MOTHER
Pearson Correlation	HIGHEST YEAR SCHOOL COMPLETED, FATHER	**1.000**	**.637**
	HIGHEST YEAR SCHOOL COMPLETED, MOTHER	**.637**	**1.000**
Sig. (1-tailed)	HIGHEST YEAR SCHOOL COMPLETED, FATHER	**.**	**.000**
	HIGHEST YEAR SCHOOL COMPLETED, MOTHER	**.000**	**.**
N	HIGHEST YEAR SCHOOL COMPLETED, FATHER	**907**	**907**
	HIGHEST YEAR SCHOOL COMPLETED, MOTHER	**907**	**907**

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	**HIGHEST YEAR SCHOOL COMPLETED, MOTHER[b]**	**.**	**Enter**

a. Dependent Variable: HIGHEST YEAR SCHOOL COMPLETED, FATHER

b. All requested variables entered.

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	**.637[a]**	**.405**	**.405**	**3.166**	**.405**	**617.245**	**1**	**905**	**.000**

a. Predictors: (Constant), HIGHEST YEAR SCHOOL COMPLETED, MOTHER

b. Dependent Variable: HIGHEST YEAR SCHOOL COMPLETED, FATHER

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	**6187.190**	**1**	**6187.190**	**617.245**	**.000[b]**
	Residual	**9071.614**	**905**	**10.024**		
	Total	**15258.805**	**906**			

a. Dependent Variable: HIGHEST YEAR SCHOOL COMPLETED, FATHER

b. Predictors: (Constant), HIGHEST YEAR SCHOOL COMPLETED, MOTHER

Coefficients[a]

Model		Unstandardized Coefficients B	Unstandardized Coefficients Std. Error	Standardized Coefficients Beta	t	Sig.	95.0% Confidence Interval for B Lower Bound	95.0% Confidence Interval for B Upper Bound	Correlations Zero-order	Correlations Partial	Correlations Part	Collinearity Statistics Tolerance
1	(Constant)	**2.607**	**.367**		**7.097**	**.000**	**1.886**	**3.328**				
	HIGHEST YEAR SCHOOL COMPLETED, MOTHER	**.757**	**.030**	**.637**	**24.844**	**.000**	**.697**	**.817**	**.637**	**.637**	**.637**	**1.000**

Coefficients[a]

Model		Collinearity Statistics VIF
1	(Constant)	
	HIGHEST YEAR SCHOOL COMPLETED, MOTHER	**1.000**

a. Dependent Variable: HIGHEST YEAR SCHOOL COMPLETED, FATHER

Collinearity Diagnostics[a]

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions (Constant)	Variance Proportions HIGHEST YEAR SCHOOL COMPLETED, MOTHER
1	1	**1.958**	**1.000**	**.02**	**.02**
	2	**.042**	**6.842**	**.98**	**.98**

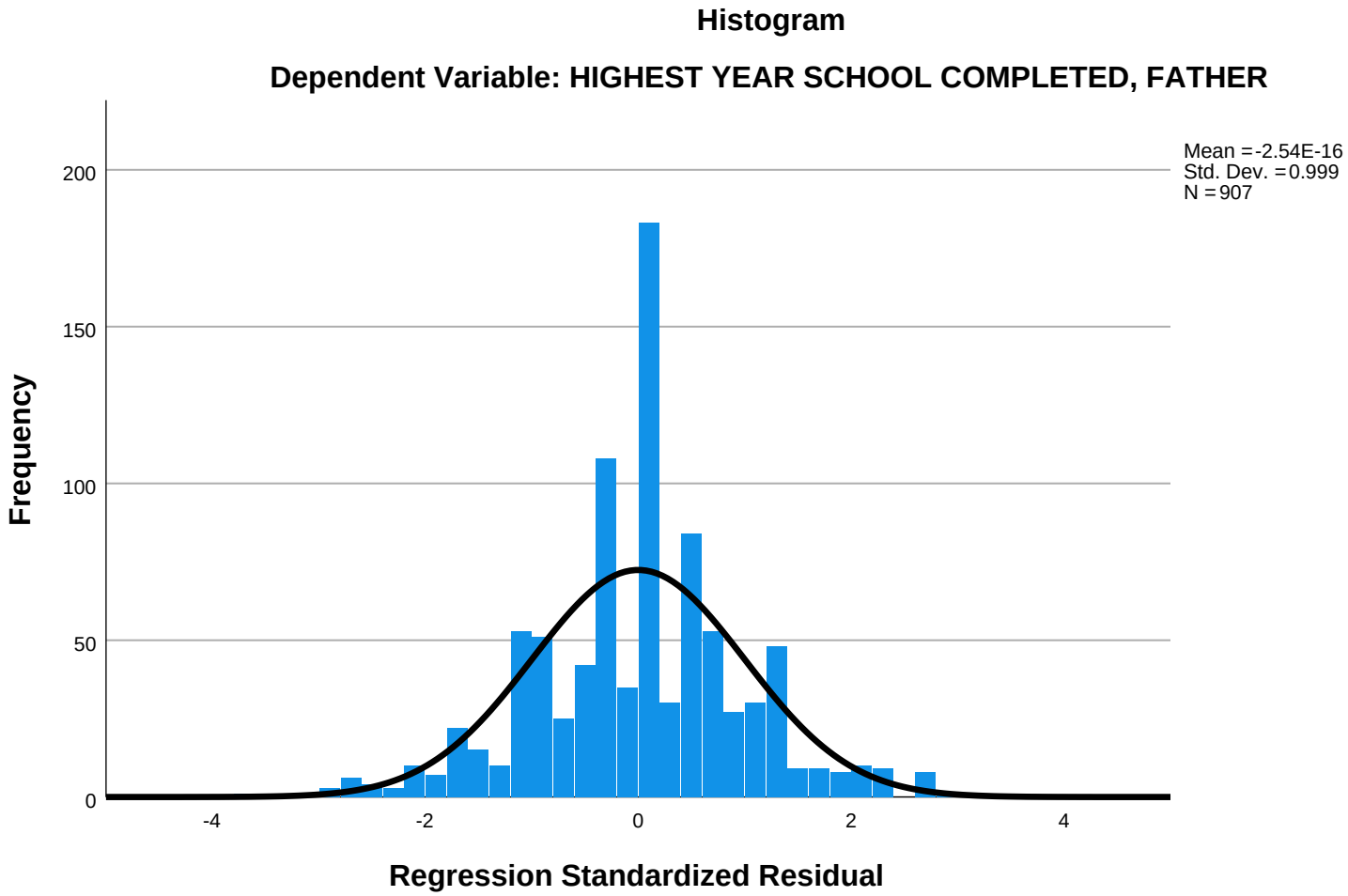
a. Dependent Variable: HIGHEST YEAR SCHOOL COMPLETED, FATHER

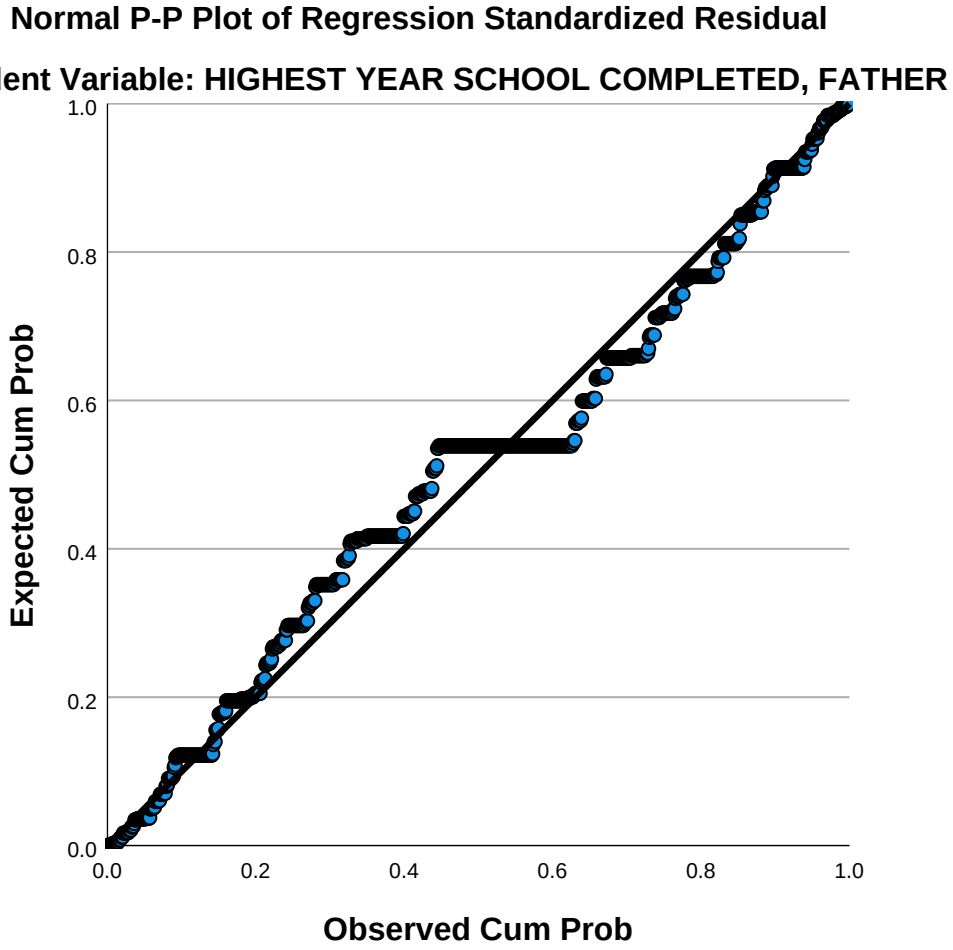
Residuals Statistics[a]

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	**2.61**	**17.75**	**11.35**	**2.613**	**907**
Residual	**-11.691**	**9.823**	**.000**	**3.164**	**907**
Std. Predicted Value	**-3.346**	**2.447**	**.000**	**1.000**	**907**
Std. Residual	**-3.692**	**3.103**	**.000**	**.999**	**907**

a. Dependent Variable: HIGHEST YEAR SCHOOL COMPLETED, FATHER

Charts


Histogram
Dependent Variable: HIGHEST YEAR SCHOOL COMPLETED, FATHER
Mean = -2.54E-16
Std. Dev. = 0.999
N = 907
Frequency
200
150
100
50
0
-4
-2
0
2
4
Regression Standardized Residual




```
 * Chart Builder.
GGRAPH
```

```
  /GRAPHDATASET NAME="graphdataset" VARIABLES=maeduc paeduc MISSING=LISTWISE R
EPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE
  /FITLINE TOTAL=YES SUBGROUP=NO.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: maeduc=col(source(s), name("maeduc"))
  DATA: paeduc=col(source(s), name("paeduc"))
  GUIDE: axis(dim(1), label("HIGHEST YEAR SCHOOL COMPLETED, MOTHER"))
  GUIDE: axis(dim(2), label("HIGHEST YEAR SCHOOL COMPLETED, FATHER"))
  GUIDE: text.title(label("Scatter Plot of HIGHEST YEAR SCHOOL COMPLETED, FATH
ER by HIGHEST YEAR ",
    "SCHOOL COMPLETED, MOTHER"))
  ELEMENT: point(position(maeduc*paeduc))
END GPL.
```

STATS REGRESS

Notes

Output Created		**14-SEP-2024 14:57:12**
Comments		
Input	Data	**C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\gss.sav**
	Active Dataset	**DataSet1**
	Filter	**<none>**
	Weight	**<none>**
	Split File	**<none>**
	N of Rows in Working Data File	**1419**
Syntax		**BEGIN PROGRAM PYTHON3.**
Resources	Processor Time	**00:00:00.00**
	Elapsed Time	**00:00:00.00**

Chart Legend Information

Settings	Value
Color by	**---**
Size by	**---**
Shape by	**---**
Label by	**---**
Fit Lines	**LINEAR (solid)**

Legend Settings for the charts that follow. Some settings do not apply to categorical charts.

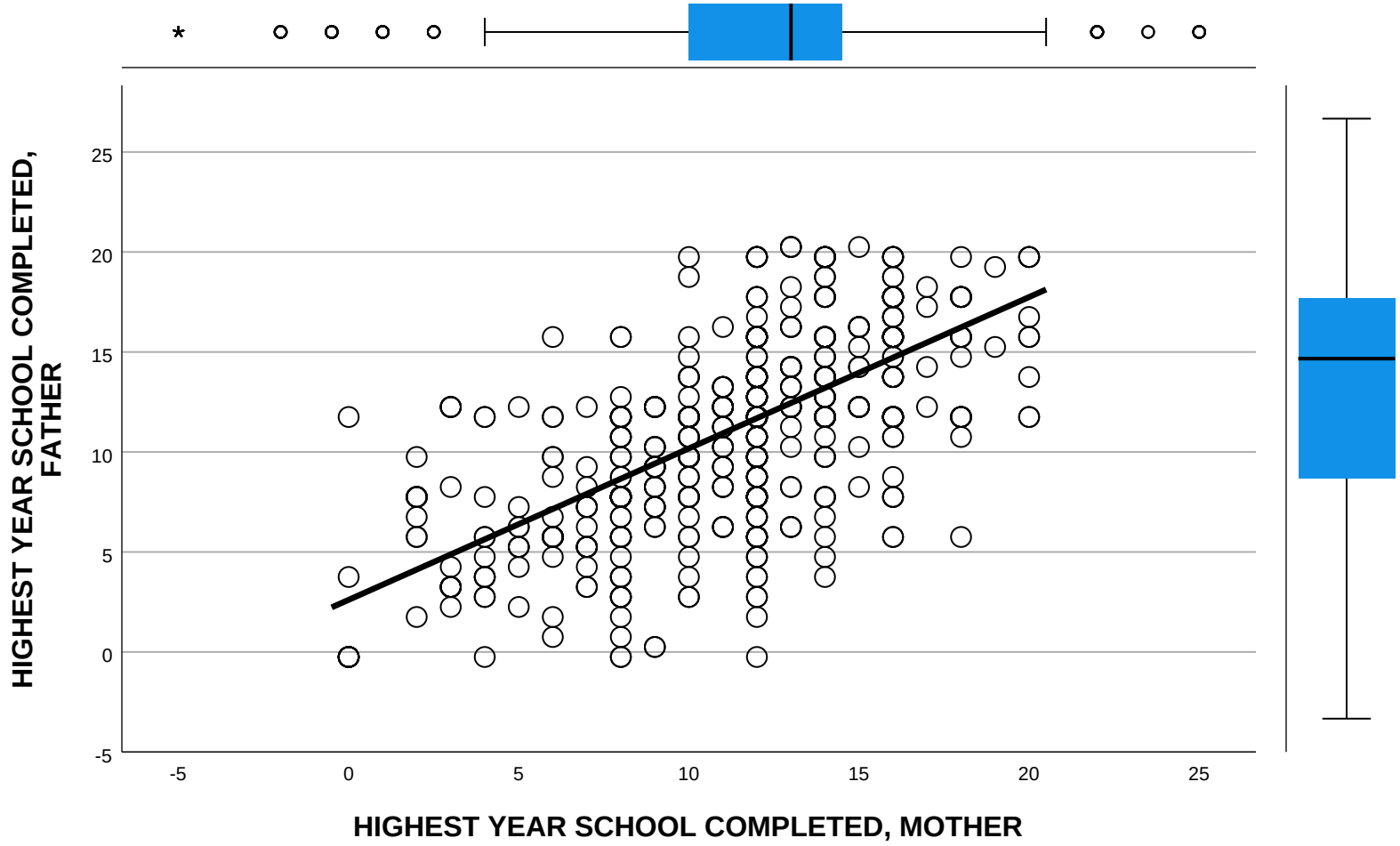
GGraph

Notes

Output Created		**14-SEP-2024 14:57:12**
Comments		
Input	Data	**C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\gss.sav**
	Active Dataset	**DataSet1**
	Filter	**<none>**
	Weight	**<none>**
	Split File	**<none>**
	N of Rows in Working Data File	**1419**

Notes

Syntax		**GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES= paeduc maeduc /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id ("graphdataset")) DATA: paeduc = col(source(s), name("paeduc")) GRAPH: begin(origin(15%, 10%), scale(75%,75%)) DATA: maeduc = col(source(s), name("maeduc")) GUIDE: axis(dim(1), label ("HIGHEST YEAR SCHOOL COMPLETED, MOTHER")) GUIDE: axis(dim(2), label ("HIGHEST YEAR SCHOOL COMPLETED, FATHER")) ELEMENT: point(position(bin.hex (maeduc * paeduc))) ELEMENT: line(position(smooth. linear(maeduc * paeduc)), shape (shape.solid)) GRAPH: end() GRAPH: begin(origin(15%, 0%), scale(75%,8%)) GUIDE: axis(dim(1), ticks(null())) COORD: rect(dim(1)) ELEMENT: schema(position(bin. quantile.letter(maeduc)), size (size."80%")) GRAPH: end() GRAPH: begin(origin(92%, 10%), scale(8%, 75%)) COORD: transpose(rect(dim(1))) GUIDE: axis(dim(1), ticks(null())) ELEMENT: schema(position(bin. quantile.letter(paeduc)), size (size."80%")) GRAPH: end() END GPL.**
Resources	Processor Time	**00:00:00.03**
	Elapsed Time	**00:00:00.07**

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REGRESSION
  /DESCRIPTIVES  MEAN STDDEV CORR SIG N
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Notes

Resources	Processor Time	**00:00:00.06**
	Elapsed Time	**00:00:00.10**

Scatter Plot of Highest Year of School Completed by Father and Mother