REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA CHANGE

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT Sociallanguagescores

/METHOD=ENTER Deprivedenviroments\_v2Chaoticenviroment\_v2Poolivingcondit ions\_v2

LowSESconditions\_v2Timespentinschools /SCATTERPLOT=(\*ZRESID ,\*ZPRED)

/RESIDUALS DURBIN HISTOGRAM(ZRESID) NORMPROB(ZRESID).

**Regression**

**Variables Entered/Removed a**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Variables** | **Variables** |  |
| **Model** | **Entered** | **Removed** | **Method** |
| **1** | **Time spent** | **.** | **Enter** |
|  | **in schools,** |  |  |
|  | **LowSEScondit** |  |  |
|  | **ions\_v2,** |  |  |
|  | **Deprivedenvi** |  |  |
|  | **roments\_v2,** |  |  |
|  | **Chaoticenviro** |  |  |
|  | **ment\_v2,** |  |  |
|  | **Poorlivingcon** |  |  |
|  | **ditions\_v2b** |  |  |
|  |  |  |  |



1. **Dependent Variable: Sociallanguagescores**
2. **All requested variables entered.**

**Model Summary b**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | **Change Statistics** |  |  |
|  |  |  |  |  | **Adjusted R** | **Std. Error of** | **R Square** |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Model** | **R** |  | **R Square** | **Square** | **the Estimate** | **Change** | **F Change** |  |  |  |
| **1** | **. 359 a** |  | **.129** |  | **.069** |  | **1.333** | **.129** | **2.137** |  |  |  |
|  |  |  |  |  | **Model Summary b** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | **Change Statistics** |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | **Durbin-** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Model** | **df1** |  | **df2** |  | **Sig. F Change** |  | **Watson** |  |  |  |  |  |
| **1** | **5** |  | **7 2** |  | **.071** |  | **2.256** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |



1. **Predictors: (Constant), Time spent in schools, LowSESconditions\_v2, Deprivedenviroments\_v2, Chaoticenviroment\_v2, Poorlivingconditions\_v2**
2. **Dependent Variable: Sociallanguagescores**

Page 1

**ANOVAa**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Sum of** |  |  |  |  |
| **Model** |  | **Squares** | **df** | **Mean Square** | **F** | **Sig.** |
| **1** | **Regression** | **18** | **.982** | **5** | **3.796** | **2.137** | **. 071 b** |
|  | **Residual** | **127** | **.890** | **7 2** | **1.776** |  |  |
|  | **Total** | **146** | **.872** | **7 7** |  |  |  |
|  |  |  |  |  |  |  |  |



1. **Dependent Variable: Sociallanguagescores**
2. **Predictors: (Constant), Time spent in schools, LowSESconditions\_v2, Deprivedenviroments\_v2, Chaoticenviroment\_v2, Poorlivingconditions\_v2**

**Coefficientsa**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Standardized** |  |  |  |  |  |
|  |  | **Unstandardized Coefficients** | **Coefficients** |  |  |  |  |  |
| **Model** |  | **B** |  | **Std. Error** | **Beta** | **t** |  |  |  |  |
|  |  |  |  |  |  |
| **1** | **(Constant)** | **5.218** |  | **.719** |  | **7.262** |  |  |  |
|  | **Deprivedenviroments\_v2** | **.151** |  | **.539** | **.053** | **.279** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **Chaoticenviroment\_v2** | **-.562** |  | **.577** | **-.182** | **- . 9** | **7 3** |  |  |  |
|  | **Poorlivingconditions\_v2** | **-1.795** |  | **.691** | **-.652** | **-2.5** | **9 7** |  |  |  |
|  | **LowSESconditions\_v2** | **-1.126** |  | **.682** | **-.410** | **-1.6** | **5 0** |  |  |  |
|  | **Time spent in schools** | **-.001** |  | **.004** | **-.032** | **- . 2** | **8 2** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |



**Coefficientsa**

|  |  |  |
| --- | --- | --- |
| **Model** |  | **Sig.** |
| **1** | **(Constant)** | **.000** |
|  |  |  |
|  | **Deprivedenviroments\_v2** | **.781** |



**Chaoticenviroment\_v2** **. 334**

**Poorlivingconditions\_v2** **. 011**

**LowSESconditions\_v2** **. 103**

**Time spent in schools** **. 779**

**a. Dependent Variable: Sociallanguagescores**

**Residuals Statisticsa**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Minimum** | **Maximum** | **Mean** | **Std. Deviation** | **N** |
| **Predicted Value** | **2.73** | **5.18** | **3.74** | **.497** | **7 8** |
| **Residual** | **-2.528** | **2.589** | **.000** | **1.289** | **7 8** |
| **Std. Predicted Value** | **-2.041** | **2.896** | **.000** | **1.000** | **7 8** |
| **Std. Residual** | **-1.897** | **1.942** | **.000** | **.967** | **7 8** |
|  |  |  |  |  |  |



**a. Dependent Variable: Sociallanguagescores**

Page 2

**Charts**

|  |
| --- |
| **Frequency** |

**2 0**

**1 5**

**1 0**

**5**

**0**

**Histogram**

**Dependent Variable: Sociallanguagescores**



**Mean = - 2 . 3 8 E - 1 6**

**Std. Dev. = 0 . 9 6 7**

**N =78**

**-2** **-1** **0** **1** **2**

**Regression Standardized Residual**

**Normal P-P Plot of Regression Standardized Residual**

**Dependent Variable: Sociallanguagescores**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1 . 0** |  |  |  |  |  |  |
|  | **0 . 8** |  |  |  |  |  |  |
| **Prob** | **0 . 6** |  |  |  |  |  |  |
| **Cum** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Expected** | **0 . 4** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **0 . 2** |  |  |  |  |  |  |
|  | **0 . 0** |  |  |  |  |  |  |
|  | **0 . 0** | **0 . 2** | **0 . 4** | **0 . 6** | **0 . 8** | **1 . 0** |  |



**Observed Cum Prob**

Page 3

**Scatterplot**

**Dependent Variable: Sociallanguagescores**



|  |
| --- |
| **Regression Standardized Residual** |

**2**

**1**

**0**

**- 1**

**- 2**

**-3** **-2** **-1** **0** **1** **2** **3**

**Regression Standardized Predicted Value**

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA CHANGE

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT Sociallanguagescores

/METHOD=ENTER Deprivedenviroments\_v2Chaoticenviroment\_v2Poolivingcondit ions\_v2

LowSESconditions\_v2Timespentinschools /SCATTERPLOT=(\*ZRESID ,\*ZPRED)

/RESIDUALS DURBIN HISTOGRAM(ZRESID) NORMPROB(ZRESID).

**Regression**

**Variables Entered/Removed a**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Variables** | **Variables** |  |
| **Model** | **Entered** | **Removed** | **Method** |
| **1** | **Time spent** | **.** | **Enter** |
|  | **in schools,** |  |  |
|  | **LowSEScondit** |  |  |
|  | **ions\_v2,** |  |  |
|  | **Deprivedenvi** |  |  |
|  | **roments\_v2,** |  |  |
|  | **Chaoticenviro** |  |  |
|  | **ment\_v2,** |  |  |
|  | **Poorlivingcon** |  |  |
|  | **ditions\_v2b** |  |  |
|  |  |  |  |



1. **Dependent Variable: Sociallanguagescores**
2. **All requested variables entered.**

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**Model Summary b**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | **Change Statistics** |  |  |
|  |  |  |  |  | **Adjusted R** | **Std. Error of** | **R Square** |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Model** | **R** |  | **R Square** | **Square** | **the Estimate** | **Change** | **F Change** |  |  |  |
| **1** | **. 359 a** |  | **.129** |  | **.069** |  | **1.333** | **.129** | **2.137** |  |  |  |
|  |  |  |  |  | **Model Summary b** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | **Change Statistics** |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | **Durbin-** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Model** | **df1** |  | **df2** |  | **Sig. F Change** |  | **Watson** |  |  |  |  |  |
| **1** | **5** |  | **7 2** |  | **.071** |  | **2.256** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |



1. **Predictors: (Constant), Time spent in schools, LowSESconditions\_v2, Deprivedenviroments\_v2, Chaoticenviroment\_v2, Poorlivingconditions\_v2**
2. **Dependent Variable: Sociallanguagescores**

**ANOVAa**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Sum of** |  |  |  |  |
| **Model** |  | **Squares** | **df** | **Mean Square** | **F** | **Sig.** |
| **1** | **Regression** | **18** | **.982** | **5** | **3.796** | **2.137** | **. 071 b** |
|  | **Residual** | **127** | **.890** | **7 2** | **1.776** |  |  |
|  | **Total** | **146** | **.872** | **7 7** |  |  |  |
|  |  |  |  |  |  |  |  |



1. **Dependent Variable: Sociallanguagescores**
2. **Predictors: (Constant), Time spent in schools, LowSESconditions\_v2, Deprivedenviroments\_v2, Chaoticenviroment\_v2, Poorlivingconditions\_v2**

**Coefficientsa**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Standardized** |  |  |  |  |  |
|  |  | **Unstandardized Coefficients** | **Coefficients** |  |  |  |  |  |
| **Model** |  | **B** |  | **Std. Error** | **Beta** | **t** |  |  |  |  |
|  |  |  |  |  |  |
| **1** | **(Constant)** | **5.218** |  | **.719** |  | **7.262** |  |  |  |
|  | **Deprivedenviroments\_v2** | **.151** |  | **.539** | **.053** | **.279** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **Chaoticenviroment\_v2** | **-.562** |  | **.577** | **-.182** | **- . 9** | **7 3** |  |  |  |
|  | **Poorlivingconditions\_v2** | **-1.795** |  | **.691** | **-.652** | **-2.5** | **9 7** |  |  |  |
|  | **LowSESconditions\_v2** | **-1.126** |  | **.682** | **-.410** | **-1.6** | **5 0** |  |  |  |
|  | **Time spent in schools** | **-.001** |  | **.004** | **-.032** | **- . 2** | **8 2** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |



Page 5

**Coefficientsa**

|  |  |  |
| --- | --- | --- |
| **Model** |  | **Sig.** |
| **1** | **(Constant)** | **.000** |
|  |  |  |
|  | **Deprivedenviroments\_v2** | **.781** |



**Chaoticenviroment\_v2** **. 334**

**Poorlivingconditions\_v2** **. 011**

**LowSESconditions\_v2** **. 103**

**Time spent in schools** **. 779**

**a. Dependent Variable: Sociallanguagescores**

**Residuals Statisticsa**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Minimum** | **Maximum** | **Mean** | **Std. Deviation** | **N** |
| **Predicted Value** | **2.73** | **5.18** | **3.74** | **.497** | **7 8** |
| **Residual** | **-2.528** | **2.589** | **.000** | **1.289** | **7 8** |
| **Std. Predicted Value** | **-2.041** | **2.896** | **.000** | **1.000** | **7 8** |
| **Std. Residual** | **-1.897** | **1.942** | **.000** | **.967** | **7 8** |
|  |  |  |  |  |  |



**a. Dependent Variable: Sociallanguagescores**

**Charts**

|  |
| --- |
| **Frequency** |

**2 0**

**1 5**

**1 0**

**5**

**0**

**Histogram**

**Dependent Variable: Sociallanguagescores**



**Mean = - 2 . 3 8 E - 1 6**

**Std. Dev. = 0 . 9 6 7**

**N =78**

**-2** **-1** **0** **1** **2**

**Regression Standardized Residual**

Page 6

**Normal P-P Plot of Regression Standardized Residual**

**Dependent Variable: Sociallanguagescores**

|  |
| --- |
| **Expected Cum Prob** |

**1 . 0**



**0 . 8**

**0 . 6**

**0 . 4**

**0 . 2**

**0 . 0**

**0.0** **0.2** **0.4** **0.6** **0.8** **1.0**

**Observed Cum Prob**

**Scatterplot**

**Dependent Variable: Sociallanguagescores**



|  |
| --- |
| **Regression Standardized Residual** |

**2**

**1**

**0**

**- 1**

**- 2**

**-3** **-2** **-1** **0** **1** **2** **3**

**Regression Standardized Predicted Value**

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA CHANGE

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT Sociallanguagescores

/METHOD=ENTER Deprivedenviroments\_v2Chaoticenviroment\_v2Poolivingcondit ions\_v2

Page 7

LowSESconditions\_v2Timespentinschools /SCATTERPLOT=(\*ZRESID ,\*ZPRED)

/RESIDUALS DURBIN HISTOGRAM(ZRESID) NORMPROB(ZRESID)

/SAVE ZPRED COOK LEVER ZRESID.

**Regression**

**Variables Entered/Removed a**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Variables** | **Variables** |  |
| **Model** | **Entered** | **Removed** | **Method** |
| **1** | **Time spent** | **.** | **Enter** |
|  | **in schools,** |  |  |
|  | **LowSEScondit** |  |  |
|  | **ions\_v2,** |  |  |
|  | **Deprivedenvi** |  |  |
|  | **roments\_v2,** |  |  |
|  | **Chaoticenviro** |  |  |
|  | **ment\_v2,** |  |  |
|  | **Poorlivingcon** |  |  |
|  | **ditions\_v2b** |  |  |
|  |  |  |  |



1. **Dependent Variable: Sociallanguagescores**
2. **All requested variables entered.**

**Model Summary b**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | **Change Statistics** |  |  |
|  |  |  |  |  | **Adjusted R** | **Std. Error of** | **R Square** |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Model** | **R** |  | **R Square** | **Square** | **the Estimate** | **Change** | **F Change** |  |  |  |
| **1** | **. 359 a** |  | **.129** |  | **.069** |  | **1.333** | **.129** | **2.137** |  |  |  |
|  |  |  |  |  | **Model Summary b** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | **Change Statistics** |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | **Durbin-** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Model** | **df1** |  | **df2** |  | **Sig. F Change** |  | **Watson** |  |  |  |  |  |
| **1** | **5** |  | **7 2** |  | **.071** |  | **2.256** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |



1. **Predictors: (Constant), Time spent in schools, LowSESconditions\_v2, Deprivedenviroments\_v2, Chaoticenviroment\_v2, Poorlivingconditions\_v2**
2. **Dependent Variable: Sociallanguagescores**

**ANOVAa**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Sum of** |  |  |  |  |
| **Model** |  | **Squares** | **df** | **Mean Square** | **F** | **Sig.** |
| **1** | **Regression** | **18** | **.982** | **5** | **3.796** | **2.137** | **. 071 b** |
|  | **Residual** | **127** | **.890** | **7 2** | **1.776** |  |  |
|  | **Total** | **146** | **.872** | **7 7** |  |  |  |
|  |  |  |  |  |  |  |  |



1. **Dependent Variable: Sociallanguagescores**
2. **Predictors: (Constant), Time spent in schools, LowSESconditions\_v2, Deprivedenviroments\_v2, Chaoticenviroment\_v2, Poorlivingconditions\_v2**

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**Coefficientsa**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Standardized** |  |  |  |  |  |
|  |  | **Unstandardized Coefficients** | **Coefficients** |  |  |  |  |  |
| **Model** |  | **B** |  | **Std. Error** | **Beta** | **t** |  |  |  |  |
|  |  |  |  |  |  |
| **1** | **(Constant)** | **5.218** |  | **.719** |  | **7.262** |  |  |  |
|  | **Deprivedenviroments\_v2** | **.151** |  | **.539** | **.053** | **.279** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **Chaoticenviroment\_v2** | **-.562** |  | **.577** | **-.182** | **- . 9** | **7 3** |  |  |  |
|  | **Poorlivingconditions\_v2** | **-1.795** |  | **.691** | **-.652** | **-2.5** | **9 7** |  |  |  |
|  | **LowSESconditions\_v2** | **-1.126** |  | **.682** | **-.410** | **-1.6** | **5 0** |  |  |  |
|  | **Time spent in schools** | **-.001** |  | **.004** | **-.032** | **- . 2** | **8 2** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |



**Coefficientsa**

|  |  |  |
| --- | --- | --- |
| **Model** |  | **Sig.** |
| **1** | **(Constant)** | **.000** |
|  |  |  |
|  | **Deprivedenviroments\_v2** | **.781** |



**Chaoticenviroment\_v2** **. 334**

**Poorlivingconditions\_v2** **. 011**

**LowSESconditions\_v2** **. 103**

**Time spent in schools** **. 779**

**a. Dependent Variable: Sociallanguagescores**

**Residuals Statisticsa**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Minimum** | **Maximum** | **Mean** | **Std. Deviation** | **N** |
| **Predicted Value** | **2.73** |  | **5.18** | **3.74** | **.497** | **7 8** |
| **Std. Predicted Value** | **-2.041** | **2** | **.896** | **.000** | **1.000** | **7 8** |
| **Standard Error of** | **.242** |  | **.691** | **.351** | **.115** | **7 8** |
| **Predicted Value** |  |  |  |  |  |  |
| **Adjusted Predicted Value** | **2.70** |  | **5.31** | **3.75** | **.514** | **7 8** |
|  |  |  |  |  |  |  |
| **Residual** | **-2.528** | **2** | **.589** | **.000** | **1.289** | **7 8** |
| **Std. Residual** | **-1.897** | **1** | **.942** | **.000** | **.967** | **7 8** |
| **Stud. Residual** | **-2.171** | **2** | **.121** | **-.002** | **1.016** | **7 8** |
| **Deleted Residual** | **-3.312** | **3** | **.235** | **-.005** | **1.429** | **7 8** |
| **Stud. Deleted Residual** | **-2.230** | **2** | **.176** | **-.001** | **1.025** | **7 8** |
| **Mahal. Distance** | **1.546** | **19** | **.695** | **4.936** | **4.408** | **7 8** |
| **Cook's Distance** | **.000** |  | **.244** | **.019** | **.041** | **7 8** |
| **Centered Leverage Value** | **.020** |  | **.256** | **.064** | **.057** | **7 8** |
|  |  |  |  |  |  |  |



**a. Dependent Variable: Sociallanguagescores**

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**Charts**

|  |
| --- |
| **Frequency** |

**2 0**

**1 5**

**1 0**

**5**

**0**

**Histogram**

**Dependent Variable: Sociallanguagescores**



**Mean = - 2 . 3 8 E - 1 6**

**Std. Dev. = 0 . 9 6 7**

**N =78**

**-2** **-1** **0** **1** **2**

**Regression Standardized Residual**

**Normal P-P Plot of Regression Standardized Residual**

**Dependent Variable: Sociallanguagescores**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1 . 0** |  |  |  |  |  |  |
|  | **0 . 8** |  |  |  |  |  |  |
| **Prob** | **0 . 6** |  |  |  |  |  |  |
| **Cum** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Expected** | **0 . 4** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **0 . 2** |  |  |  |  |  |  |
|  | **0 . 0** |  |  |  |  |  |  |
|  | **0 . 0** | **0 . 2** | **0 . 4** | **0 . 6** | **0 . 8** | **1 . 0** |  |



**Observed Cum Prob**

Page 10

**Scatterplot**

**Dependent Variable: Sociallanguagescores**



|  |
| --- |
| **Regression Standardized Residual** |

**2**

**1**

**0**

**- 1**

**- 2**

**-3** **-2** **-1** **0** **1** **2** **3**

**Regression Standardized Predicted Value**

GRAPH

/SCATTERPLOT(BIVAR)=ZPR\_10 WITH ZRE\_10

/MISSING=LISTWISE.

**Graph**



|  |
| --- |
| **Standardized Residual** |

**2.00000**

**1.00000**

**.00000**

**-1.00000**

**-2.00000**

**-3.00000** **-2.00000** **-1.00000** **.00000** **1.00000** **2.00000** **3.00000**

**Standardized Predicted Value**

REGRESSION

Page 11

/DESCRIPTIVES MEAN STDDEV CORR SIG N

/MISSING LISTWISE

/STATISTICS COEFF OUTS CI(95) BCOV R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN

/DEPENDENT Sociallanguagescores

/METHOD=ENTER Deprivedenviroments\_v2Chaoticenviroment\_v2Poolivingcondit ions\_v2

LowSESconditions\_v2Timespentinschools /SCATTERPLOT=(\*ZRESID ,\*ZPRED)

/RESIDUALS HISTOGRAM(ZRESID) NORMPROB(ZRESID)

/SAVE ZPRED COOK LEVER ZRESID.

**Regression**

**Descriptive Statistics**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Mean** | **Std. Deviation** | **N** |
| **Sociallanguagescores** | **3** | **. 74** | **1** | **.381** | **7 8** |
| **Deprivedenviroments\_v2** |  | **. 63** |  | **.486** | **7 8** |
|  |  |  |  |  |  |
| **Chaoticenviroment\_v2** |  | **. 27** |  | **.446** | **7 8** |
| **Poorlivingconditions\_v2** |  | **. 46** |  | **.502** | **7 8** |
| **LowSESconditions\_v2** |  | **. 47** |  | **.503** | **7 8** |
| **Time spent in schools** | **46** | **.68** | **37** | **.467** | **7 8** |
|  |  |  |  |  |  |



Page 12

**Correlations**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Sociallanguage** | **Deprivedenvir** | **Chaoticenviro** |  |
|  |  | **scores** | **oments\_v2** | **ment\_v2** |  |
| **Pearson Correlation** | **Sociallanguagescores** | **1.000** | **.088** | **-.139** |  |  |
|  | **Deprivedenviroments\_v2** | **.088** | **1.000** | **-.789** |  |  |
|  |  |  |  |  |  |  |
|  | **Chaoticenviroment\_v2** | **-.139** | **-.789** | **1.000** |  |  |
|  | **Poorlivingconditions\_v2** | **-.239** | **.180** | **-.214** |  |  |
|  | **LowSESconditions\_v2** | **.140** | **-.013** | **.118** |  |  |
|  | **Time spent in schools** | **-.018** | **-.126** | **.222** |  |  |
| **Sig. (1-tailed)** | **Sociallanguagescores** | **.** | **.221** | **.112** |  |  |
|  | **Deprivedenviroments\_v2** | **.221** | **.** | **.000** |  |  |
|  |  |  |  |  |  |  |
|  | **Chaoticenviroment\_v2** | **.112** | **.000** | **.** |  |  |
|  | **Poorlivingconditions\_v2** | **.017** | **.057** | **.030** |  |  |
|  | **LowSESconditions\_v2** | **.111** | **.455** | **.152** |  |  |
|  | **Time spent in schools** | **.439** | **.137** | **.025** |  |  |
| **N** | **Sociallanguagescores** | **7 8** | **7 8** | **7 8** |  |  |
|  | **Deprivedenviroments\_v2** | **7 8** | **7 8** | **7 8** |  |  |
|  |  |  |  |  |  |  |
|  | **Chaoticenviroment\_v2** | **7 8** | **7 8** | **7 8** |  |  |
|  | **Poorlivingconditions\_v2** | **7 8** | **7 8** | **7 8** |  |  |
|  | **LowSESconditions\_v2** | **7 8** | **7 8** | **7 8** |  |  |
|  | **Time spent in schools** | **7 8** | **7 8** | **7 8** |  |  |
|  |  |  |  |  |  |  |



Page 13

**Correlations**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Poorlivingcondi** | **LowSESconditio** | **Time spent in** |  |
|  |  | **tions\_v2** | **ns\_v2** | **schools** |  |
| **Pearson Correlation** | **Sociallanguagescores** | **-.239** | **.140** | **-.018** |  |
|  | **Deprivedenviroments\_v2** | **.180** | **-.013** | **-.126** |  |
|  |  |  |  |  |  |
|  | **Chaoticenviroment\_v2** | **-.214** | **.118** | **.222** |  |
|  | **Poorlivingconditions\_v2** | **1.000** | **-.879** | **-.128** |  |
|  | **LowSESconditions\_v2** | **-.879** | **1.000** | **.054** |  |
|  | **Time spent in schools** | **-.128** | **.054** | **1.000** |  |
| **Sig. (1-tailed)** | **Sociallanguagescores** | **.017** | **.111** | **.439** |  |
|  | **Deprivedenviroments\_v2** | **.057** | **.455** | **.137** |  |
|  |  |  |  |  |  |
|  | **Chaoticenviroment\_v2** | **.030** | **.152** | **.025** |  |
|  | **Poorlivingconditions\_v2** | **.** | **.000** | **.132** |  |
|  | **LowSESconditions\_v2** | **.000** | **.** | **.320** |  |
|  | **Time spent in schools** | **.132** | **.320** | **.** |  |
| **N** | **Sociallanguagescores** | **7 8** | **7 8** | **7 8** |  |
|  | **Deprivedenviroments\_v2** | **7 8** | **7 8** | **7 8** |  |
|  |  |  |  |  |  |
|  | **Chaoticenviroment\_v2** | **7 8** | **7 8** | **7 8** |  |
|  | **Poorlivingconditions\_v2** | **7 8** | **7 8** | **7 8** |  |
|  | **LowSESconditions\_v2** | **7 8** | **7 8** | **7 8** |  |
|  | **Time spent in schools** | **7 8** | **7 8** | **7 8** |  |
|  |  |  |  |  |  |



**Variables Entered/Removed a**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Variables** | **Variables** |  |
| **Model** | **Entered** | **Removed** | **Method** |
| **1** | **Time spent** | **.** | **Enter** |
|  | **in schools,** |  |  |
|  | **LowSEScondit** |  |  |
|  | **ions\_v2,** |  |  |
|  | **Deprivedenvi** |  |  |
|  | **roments\_v2,** |  |  |
|  | **Chaoticenviro** |  |  |
|  | **ment\_v2,** |  |  |
|  | **Poorlivingcon** |  |  |
|  | **ditions\_v2b** |  |  |
|  |  |  |  |



1. **Dependent Variable: Sociallanguagescores**
2. **All requested variables entered.**

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**Model Summary b**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  | **Adjusted R** | **Std. Error of** |
| **Model** | **R** | **R Square** | **Square** | **the Estimate** |
| **1** | **. 359 a** | **.129** | **.069** | **1.333** |



1. **Predictors: (Constant), Time spent in schools, LowSESconditions\_v2, Deprivedenviroments\_v2, Chaoticenviroment\_v2, Poorlivingconditions\_v2**
2. **Dependent Variable: Sociallanguagescores**

**ANOVAa**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Sum of** |  |  |  |  |
| **Model** |  | **Squares** | **df** | **Mean Square** | **F** | **Sig.** |
| **1** | **Regression** | **18** | **.982** | **5** | **3.796** | **2.137** | **. 071 b** |
|  | **Residual** | **127** | **.890** | **7 2** | **1.776** |  |  |
|  | **Total** | **146** | **.872** | **7 7** |  |  |  |
|  |  |  |  |  |  |  |  |



1. **Dependent Variable: Sociallanguagescores**
2. **Predictors: (Constant), Time spent in schools, LowSESconditions\_v2, Deprivedenviroments\_v2, Chaoticenviroment\_v2, Poorlivingconditions\_v2**

**Coefficientsa**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Standardized** |  |  |  |  |  |
|  |  | **Unstandardized Coefficients** | **Coefficients** |  |  |  |  |  |
| **Model** |  | **B** |  | **Std. Error** | **Beta** | **t** |  |  |  |  |
|  |  |  |  |  |  |
| **1** | **(Constant)** | **5.218** |  | **.719** |  | **7.262** |  |  |  |
|  | **Deprivedenviroments\_v2** | **.151** |  | **.539** | **.053** | **.279** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **Chaoticenviroment\_v2** | **-.562** |  | **.577** | **-.182** | **- . 9** | **7 3** |  |  |  |
|  | **Poorlivingconditions\_v2** | **-1.795** |  | **.691** | **-.652** | **-2.5** | **9 7** |  |  |  |
|  | **LowSESconditions\_v2** | **-1.126** |  | **.682** | **-.410** | **-1.6** | **5 0** |  |  |  |
|  | **Time spent in schools** | **-.001** |  | **.004** | **-.032** | **- . 2** | **8 2** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |



**Coefficientsa**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | **Collinearity** |  |  |
|  |  |  | **95.0% Confidence Interval for B** | **Statistics** |  |  |
| **Model** |  | **Sig.** | **Lower Bound** |  | **Upper Bound** | **Tolerance** |  |  |
|  |  |  |  |
| **1** | **(Constant)** | **.000** | **3.786** |  | **6.651** |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | **Deprivedenviroments\_v2** | **.781** | **-.924** |  | **1.225** | **.336** |  |  |
|  |  |  |  |  |  |  |  |  |
|  | **Chaoticenviroment\_v2** | **.334** | **-1.713** |  | **.589** | **.347** |  |  |
|  |  |  |  |  |  |  |  |  |
|  | **Poorlivingconditions\_v2** | **.011** | **-3.173** |  | **-.417** | **.192** |  |  |
|  |  |  |  |  |  |  |  |  |
|  | **LowSESconditions\_v2** | **.103** | **-2.485** |  | **.234** | **.196** |  |  |
|  |  |  |  |  |  |  |  |  |
|  | **Time spent in schools** | **.779** | **-.010** |  | **.007** | **.921** |  |  |
|  |  |  |  |  |  |  |  |  |



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**Coefficientsa**

**Collinearity**

**Statistics**

**Model** **VIF**



1. **(Constant)**

**Deprivedenviroments\_v22 .980**

**Chaoticenviroment\_v2** **2 .879**

**Poorlivingconditions\_v2** **5 .212**

**LowSESconditions\_v2** **5 .094**

**Time spent in schools** **1 .086**

**a. Dependent Variable: Sociallanguagescores**

**Coefficient Correlations a**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Time spent in** |  | **LowSESconditio** | **Deprivedenvir** |  |
| **Model** |  |  | **schools** |  | **ns\_v2** | **oments\_v2** |  |
| **1** | **Correlations** | **Time spent in schools** | **1.000** |  | **.131** | **-.121** |  |  |
|  |  | **LowSESconditions\_v2** | **.131** |  | **1.000** | **-.323** |  |  |
|  |  | **Deprivedenviroments\_v2** | **-.121** |  | **-.323** | **1.000** |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | **Chaoticenviroment\_v2** | **-.209** |  | **-.177** | **.784** |  |  |
|  |  | **Poorlivingconditions\_v2** | **.156** |  | **.893** | **-.299** |  |  |
|  | **Covariances** | **Time spent in schools** | **1.784E-5** |  | **.000** | **.000** |  |  |
|  |  | **LowSESconditions\_v2** | **.000** |  | **.465** | **-.119** |  |  |
|  |  | **Deprivedenviroments\_v2** | **.000** |  | **-.119** | **.291** |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | **Chaoticenviroment\_v2** | **-.001** |  | **-.070** | **.244** |  |  |
|  |  | **Poorlivingconditions\_v2** | **.000** |  | **.421** | **-.112** |  |  |
|  |  | **Coefficient Correlations a** |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  | **Chaoticenviro** |  | **Poorlivingcondi** |  |  |  |
| **Model** |  |  | **ment\_v2** |  | **tions\_v2** |  |  |  |
| **1** | **Correlations** | **Time spent in schools** | **-.209** |  | **.156** |  |  |  |
|  |  | **LowSESconditions\_v2** | **-.177** |  | **.893** |  |  |  |
|  |  | **Deprivedenviroments\_v2** | **.784** |  | **-.299** |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | **Chaoticenviroment\_v2** | **1.000** |  | **-.114** |  |  |  |
|  |  | **Poorlivingconditions\_v2** | **-.114** |  | **1.000** |  |  |  |
|  | **Covariances** | **Time spent in schools** | **-.001** |  | **.000** |  |  |  |
|  |  | **LowSESconditions\_v2** | **-.070** |  | **.421** |  |  |  |
|  |  | **Deprivedenviroments\_v2** | **.244** |  | **-.112** |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | **Chaoticenviroment\_v2** | **.333** |  | **-.045** |  |  |  |
|  |  | **Poorlivingconditions\_v2** | **-.045** |  | **.478** |  |  |  |
|  |  |  |  |  |  |  |  |  |



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a. Dependent Variable: Sociallanguagescores

**Collinearity Diagnostics a**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | Variance Proportions |  |
|  |  |  | Condition |  | Deprivedenvir |  | Chaoticenviro |  |  |
|  |  |  |  |  |  |  |
| Model | Dimension | Eigenvalue | Index | (Constant) | oments\_v2 |  | ment\_v2 |  |  |
| 1 | 1 | 3.575 | 1 | .000 | .00 | .01 |  | .01 |  |  |
|  | 2 | 1.176 | 1 | .744 | .00 | .02 |  | .08 |  |  |
|  | 3 | .851 | 2 | .050 | .00 | .02 |  | .09 |  |  |
|  | 4 | .305 | 3 | .425 | .01 | .00 |  | .07 |  |  |
|  | 5 | .065 | 7 | .409 | .07 | .94 |  | .72 |  |  |
|  | 6 | .028 | 11 | .322 | .92 | .01 |  | .04 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |



**Collinearity Diagnostics a**

|  |  |  |
| --- | --- | --- |
|  |  | Variance Proportions |
|  |  |  |  |  |
|  |  | Poorlivingcondi | LowSESconditio | Time spent in |
| Model | Dimension | tions\_v2 | ns\_v2 | schools |
| 1 | 1 | .00 | .00 | .02 |
|  |  |  |  |  |
|  | 2 | .03 | .02 | .00 |
|  |  |  |  |  |
|  | 3 | .03 | .04 | .00 |
|  |  |  |  |  |
|  | 4 | .01 | .02 | .90 |
|  |  |  |  |  |
|  | 5 | .16 | .19 | .01 |
|  |  |  |  |  |
|  | 6 | .77 | .73 | .07 |
|  |  |  |  |  |



a. Dependent Variable: Sociallanguagescores

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**Residuals Statisticsa**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Minimum** | **Maximum** | **Mean** | **Std. Deviation** | **N** |
| **Predicted Value** | **2.73** |  | **5.18** | **3.74** | **.497** | **7 8** |
| **Std. Predicted Value** | **-2.041** | **2** | **.896** | **.000** | **1.000** | **7 8** |
| **Standard Error of** | **.242** |  | **.691** | **.351** | **.115** | **7 8** |
| **Predicted Value** |  |  |  |  |  |  |
| **Adjusted Predicted Value** | **2.70** |  | **5.31** | **3.75** | **.514** | **7 8** |
|  |  |  |  |  |  |  |
| **Residual** | **-2.528** | **2** | **.589** | **.000** | **1.289** | **7 8** |
| **Std. Residual** | **-1.897** | **1** | **.942** | **.000** | **.967** | **7 8** |
| **Stud. Residual** | **-2.171** | **2** | **.121** | **-.002** | **1.016** | **7 8** |
| **Deleted Residual** | **-3.312** | **3** | **.235** | **-.005** | **1.429** | **7 8** |
| **Stud. Deleted Residual** | **-2.230** | **2** | **.176** | **-.001** | **1.025** | **7 8** |
| **Mahal. Distance** | **1.546** | **19** | **.695** | **4.936** | **4.408** | **7 8** |
| **Cook's Distance** | **.000** |  | **.244** | **.019** | **.041** | **7 8** |
| **Centered Leverage Value** | **.020** |  | **.256** | **.064** | **.057** | **7 8** |
|  |  |  |  |  |  |  |



**a. Dependent Variable: Sociallanguagescores**

**Charts**

|  |
| --- |
| **Frequency** |

**2 0**

**1 5**

**1 0**

**5**

**0**

**Histogram**

**Dependent Variable: Sociallanguagescores**



**Mean = - 2 . 3 8 E - 1 6**

**Std. Dev. = 0 . 9 6 7**

**N =78**

**-2** **-1** **0** **1** **2**

**Regression Standardized Residual**

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|  |
| --- |
| **Regression Standardized Residual** |

**Normal P-P Plot of Regression Standardized Residual**

**Dependent Variable: Sociallanguagescores**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1 . 0** |  |  |  |  |  |  |
|  | **0 . 8** |  |  |  |  |  |  |
| **Prob** | **0 . 6** |  |  |  |  |  |  |
| **Cum** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Expected** | **0 . 4** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **0 . 2** |  |  |  |  |  |  |
|  | **0 . 0** |  |  |  |  |  |  |
|  | **0 . 0** | **0 . 2** | **0 . 4** | **0 . 6** | **0 . 8** | **1 . 0** |  |



**Observed Cum Prob**

**Scatterplot**

**Dependent Variable: Sociallanguagescores**



**2**

**1**

**0**

**- 1**

**- 2**

**-3** **-2** **-1** **0** **1** **2** **3**

**Regression Standardized Predicted Value**

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