GET DATA /TYPE=XLSX

/FILE="\\mcdfs1.campus.mcdaniel.edu\home\rclaycom\4daymcd\MidAtlahtic\_R&G\DC\Friday\_outcomes\_data\_enroll\_xls\_regress\_sat's.xlsx"

/SHEET=name 'Sheet1'

/CELLRANGE=full

/READNAMES=on

/ASSUMEDSTRWIDTH=32767.

EXECUTE.

DATASET NAME DataSet1 WINDOW=FRONT.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

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

/NOORIGIN

/DEPENDENT SATS

/METHOD=ENTER acceptancerate.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 26-SEP-2016 11:58:46 |
| Comments | |  |
| Input | Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 494 |
| 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 SATS  /METHOD=ENTER acceptancerate. |
| Resources | Processor Time | 00:00:00.02 |
| Elapsed Time | 00:00:00.04 |
| Memory Required | 5676 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

[DataSet1]

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | acceptance rateb | . | Enter |
| a. Dependent Variable: SAT'S | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .729a | .531 | .529 | 109.956 |
| a. Predictors: (Constant), acceptance rate | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 3478988.063 | 1 | 3478988.063 | 287.748 | .000b |
| Residual | 3070966.041 | 254 | 12090.417 |  |  |
| Total | 6549954.104 | 255 |  |  |  |
| a. Dependent Variable: SAT'S | | | | | | |
| b. Predictors: (Constant), acceptance rate | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 1451.127 | 21.170 |  | 68.546 | .000 |
| acceptance rate | -5.739 | .338 | -.729 | -16.963 | .000 |
| a. Dependent Variable: SAT'S | | | | | | |

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

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

/NOORIGIN

/DEPENDENT retentionrate

/METHOD=ENTER percentF SATS.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 19-SEP-2016 08:26:46 |
| Comments | |  |
| Input | Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 494 |
| 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 retentionrate  /METHOD=ENTER percentF SATS. |
| Resources | Processor Time | 00:00:00.08 |
| Elapsed Time | 00:00:00.08 |
| Memory Required | 5396 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | SAT'S, percent Fb | . | Enter |
| a. Dependent Variable: retention rate | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .871a | .759 | .757 | 4.622 |
| a. Predictors: (Constant), SAT'S, percent F | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 15976.053 | 2 | 7988.026 | 373.867 | .000b |
| Residual | 5063.732 | 237 | 21.366 |  |  |
| Total | 21039.785 | 239 |  |  |  |
| a. Dependent Variable: retention rate | | | | | | |
| b. Predictors: (Constant), SAT'S, percent F | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 23.924 | 2.230 |  | 10.728 | .000 |
| percent F | .069 | .021 | .103 | 3.223 | .001 |
| SAT'S | .050 | .002 | .865 | 27.156 | .000 |
| a. Dependent Variable: retention rate | | | | | | |

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

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

/NOORIGIN

/DEPENDENT retentionrate

/METHOD=ENTER SATSwEst percentF.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 19-SEP-2016 08:45:31 |
| Comments | |  |
| Input | Active Dataset | DataSet2 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 494 |
| 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 retentionrate  /METHOD=ENTER SATSwEst percentF. |
| Resources | Processor Time | 00:00:00.06 |
| Elapsed Time | 00:00:00.06 |
| Memory Required | 5436 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | percent F, SAT'SwEstb | . | Enter |
| a. Dependent Variable: retention rate | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .809a | .655 | .653 | 6.092 |
| a. Predictors: (Constant), percent F, SAT'SwEst | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 19661.520 | 2 | 9830.760 | 264.906 | .000b |
| Residual | 10353.808 | 279 | 37.110 |  |  |
| Total | 30015.328 | 281 |  |  |  |
| a. Dependent Variable: retention rate | | | | | | |
| b. Predictors: (Constant), percent F, SAT'SwEst | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 19.278 | 2.757 |  | 6.993 | .000 |
| SAT'SwEst | .053 | .002 | .798 | 22.703 | .000 |
| percent F | .098 | .025 | .137 | 3.898 | .000 |
| a. Dependent Variable: retention rate | | | | | | |

COMPUTE Enrollment2013undergradover1000=Enrollment2013undergrad/1000.

EXECUTE.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

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

/NOORIGIN

/DEPENDENT retentionrate

/METHOD=ENTER SATSwEst percentF Private church Enrollment2013undergradover1000.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 19-SEP-2016 08:49:37 |
| Comments | |  |
| Input | Active Dataset | DataSet2 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 494 |
| 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 retentionrate  /METHOD=ENTER SATSwEst percentF Private church Enrollment2013undergradover1000. |
| Resources | Processor Time | 00:00:00.03 |
| Elapsed Time | 00:00:00.03 |
| Memory Required | 6428 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Privateb | . | Enter |
| a. Dependent Variable: retention rate | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .831a | .691 | .685 | 5.801 |
| a. Predictors: (Constant), Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Private | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 20728.283 | 5 | 4145.657 | 123.204 | .000b |
| Residual | 9287.045 | 276 | 33.649 |  |  |
| Total | 30015.328 | 281 |  |  |  |
| a. Dependent Variable: retention rate | | | | | | |
| b. Predictors: (Constant), Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Private | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 16.352 | 2.806 |  | 5.828 | .000 |
| SAT'SwEst | .053 | .003 | .806 | 20.231 | .000 |
| percent F | .089 | .024 | .125 | 3.685 | .000 |
| Private | .157 | 1.038 | .007 | .151 | .880 |
| church | 3.625 | .926 | .158 | 3.914 | .000 |
| Enrollment2013undergradover1000 | .254 | .064 | .157 | 3.932 | .000 |
| a. Dependent Variable: retention rate | | | | | | |

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

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

/NOORIGIN

/DEPENDENT retentionrate

/METHOD=ENTER percentF Private church Enrollment2013undergradover1000 SATS.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 19-SEP-2016 08:51:36 |
| Comments | |  |
| Input | Active Dataset | DataSet2 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 494 |
| 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 retentionrate  /METHOD=ENTER percentF Private church Enrollment2013undergradover1000 SATS. |
| Resources | Processor Time | 00:00:00.11 |
| Elapsed Time | 00:00:00.11 |
| Memory Required | 6388 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | SAT'S, percent F, Enrollment2013undergradover1000, church, Privateb | . | Enter |
| a. Dependent Variable: retention rate | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .890a | .791 | .787 | 4.332 |
| a. Predictors: (Constant), SAT'S, percent F, Enrollment2013undergradover1000, church, Private | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 16649.322 | 5 | 3329.864 | 177.473 | .000b |
| Residual | 4390.463 | 234 | 18.763 |  |  |
| Total | 21039.785 | 239 |  |  |  |
| a. Dependent Variable: retention rate | | | | | | |
| b. Predictors: (Constant), SAT'S, percent F, Enrollment2013undergradover1000, church, Private | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 19.967 | 2.268 |  | 8.806 | .000 |
| percent F | .057 | .020 | .086 | 2.835 | .005 |
| Private | -2.006 | .863 | -.100 | -2.325 | .021 |
| church | 3.521 | .771 | .170 | 4.568 | .000 |
| Enrollment2013undergradover1000 | .156 | .050 | .110 | 3.082 | .002 |
| SAT'S | .054 | .002 | .923 | 25.126 | .000 |
| a. Dependent Variable: retention rate | | | | | | |

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

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

/NOORIGIN

/DEPENDENT grad\_rate\_6yr

/METHOD=ENTER percentF Private church Enrollment2013undergradover1000 SATS.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 19-SEP-2016 08:53:30 |
| Comments | |  |
| Input | Active Dataset | DataSet2 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 494 |
| 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 grad\_rate\_6yr  /METHOD=ENTER percentF Private church Enrollment2013undergradover1000 SATS. |
| Resources | Processor Time | 00:00:00.03 |
| Elapsed Time | 00:00:00.05 |
| Memory Required | 6388 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | SAT'S, percent F, Enrollment2013undergradover1000, church, Privateb | . | Enter |
| a. Dependent Variable: grad\_rate\_6yr | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .877a | .769 | .764 | 8.363 |
| a. Predictors: (Constant), SAT'S, percent F, Enrollment2013undergradover1000, church, Private | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 54794.822 | 5 | 10958.964 | 156.705 | .000b |
| Residual | 16434.418 | 235 | 69.934 |  |  |
| Total | 71229.240 | 240 |  |  |  |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |
| b. Predictors: (Constant), SAT'S, percent F, Enrollment2013undergradover1000, church, Private | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | -47.672 | 4.395 |  | -10.847 | .000 |
| percent F | .199 | .039 | .161 | 5.075 | .000 |
| Private | 1.032 | 1.651 | .028 | .625 | .533 |
| church | 5.962 | 1.478 | .155 | 4.033 | .000 |
| Enrollment2013undergradover1000 | .137 | .097 | .052 | 1.405 | .161 |
| SAT'S | .093 | .004 | .861 | 22.403 | .000 |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

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

/NOORIGIN

/DEPENDENT grad\_rate\_6yr

/METHOD=ENTER percentF SATS.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 19-SEP-2016 08:54:13 |
| Comments | |  |
| Input | Active Dataset | DataSet2 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 494 |
| 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 grad\_rate\_6yr  /METHOD=ENTER percentF SATS. |
| Resources | Processor Time | 00:00:00.06 |
| Elapsed Time | 00:00:00.09 |
| Memory Required | 5412 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | SAT'S, percent Fb | . | Enter |
| a. Dependent Variable: grad\_rate\_6yr | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .863a | .745 | .743 | 8.740 |
| a. Predictors: (Constant), SAT'S, percent F | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 53047.455 | 2 | 26523.728 | 347.196 | .000b |
| Residual | 18181.785 | 238 | 76.394 |  |  |
| Total | 71229.240 | 240 |  |  |  |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |
| b. Predictors: (Constant), SAT'S, percent F | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | -43.445 | 4.244 |  | -10.236 | .000 |
| percent F | .230 | .040 | .186 | 5.687 | .000 |
| SAT'S | .091 | .004 | .843 | 25.737 | .000 |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

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

/NOORIGIN

/DEPENDENT grad\_rate\_6yr

/METHOD=ENTER percentF SATSwEst.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 19-SEP-2016 08:54:56 |
| Comments | |  |
| Input | Active Dataset | DataSet2 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 494 |
| 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 grad\_rate\_6yr  /METHOD=ENTER percentF SATSwEst. |
| Resources | Processor Time | 00:00:00.08 |
| Elapsed Time | 00:00:00.08 |
| Memory Required | 5412 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | SAT'SwEst, percent Fb | . | Enter |
| a. Dependent Variable: grad\_rate\_6yr | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .816a | .665 | .663 | 10.750 |
| a. Predictors: (Constant), SAT'SwEst, percent F | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 64491.941 | 2 | 32245.970 | 279.033 | .000b |
| Residual | 32473.288 | 281 | 115.563 |  |  |
| Total | 96965.228 | 283 |  |  |  |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |
| b. Predictors: (Constant), SAT'SwEst, percent F | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | -50.649 | 4.912 |  | -10.310 | .000 |
| percent F | .309 | .045 | .237 | 6.868 | .000 |
| SAT'SwEst | .093 | .004 | .784 | 22.704 | .000 |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

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

/NOORIGIN

/DEPENDENT grad\_rate\_6yr

/METHOD=ENTER percentF SATSwEst church Private Enrollment2013undergradover1000.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 19-SEP-2016 08:55:44 |
| Comments | |  |
| Input | Active Dataset | DataSet2 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 494 |
| 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 grad\_rate\_6yr  /METHOD=ENTER percentF SATSwEst church Private Enrollment2013undergradover1000. |
| Resources | Processor Time | 00:00:00.06 |
| Elapsed Time | 00:00:00.08 |
| Memory Required | 6388 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Privateb | . | Enter |
| a. Dependent Variable: grad\_rate\_6yr | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .833a | .694 | .689 | 10.326 |
| a. Predictors: (Constant), Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Private | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 67325.166 | 5 | 13465.033 | 126.291 | .000b |
| Residual | 29640.062 | 278 | 106.619 |  |  |
| Total | 96965.228 | 283 |  |  |  |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |
| b. Predictors: (Constant), Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Private | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | -51.944 | 5.032 |  | -10.322 | .000 |
| percent F | .277 | .044 | .213 | 6.329 | .000 |
| SAT'SwEst | .090 | .005 | .760 | 19.308 | .000 |
| church | 4.522 | 1.636 | .110 | 2.765 | .006 |
| Private | 4.711 | 1.833 | .119 | 2.570 | .011 |
| Enrollment2013undergradover1000 | .205 | .115 | .071 | 1.784 | .076 |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |

WEIGHT BY Grad.enr.Wall.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

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

/NOORIGIN

/DEPENDENT grad\_rate\_6yr

/METHOD=ENTER percentF SATSwEst church Private Enrollment2013undergradover1000.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 19-SEP-2016 08:58:56 |
| Comments | |  |
| Input | Active Dataset | DataSet2 |
| Filter | <none> |
| Weight | Grad.enr.Wall |
| Split File | <none> |
| N of Rows in Working Data File | 285 |
| 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 grad\_rate\_6yr  /METHOD=ENTER percentF SATSwEst church Private Enrollment2013undergradover1000. |
| Resources | Processor Time | 00:00:00.05 |
| Elapsed Time | 00:00:00.05 |
| Memory Required | 6388 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Privateb | . | Enter |
| a. Dependent Variable: grad\_rate\_6yr | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .809a | .655 | .648 | 11.129 |
| a. Predictors: (Constant), Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Private | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 56419.771 | 5 | 11283.954 | 91.103 | .000b |
| Residual | 29721.628 | 240 | 123.860 |  |  |
| Total | 86141.399 | 245 |  |  |  |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |
| b. Predictors: (Constant), Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Private | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | -42.011 | 5.971 |  | -7.036 | .000 |
| percent F | .311 | .056 | .214 | 5.539 | .000 |
| SAT'SwEst | .078 | .006 | .639 | 14.069 | .000 |
| church | 4.002 | 2.424 | .076 | 1.651 | .100 |
| Private | 6.671 | 2.015 | .177 | 3.311 | .001 |
| Enrollment2013undergradover1000 | .375 | .078 | .217 | 4.824 | .000 |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |

Warning # 3211

On at least one case, the value of the weight variable was zero, negative, or

missing. Such cases are invisible to statistical procedures and graphs which

need positively weighted cases, but remain on the file and are processed by

non-statistical facilities such as LIST and SAVE.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

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

/NOORIGIN

/DEPENDENT retentionrate

/METHOD=ENTER percentF SATSwEst church Private Enrollment2013undergradover1000.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 19-SEP-2016 09:00:12 |
| Comments | |  |
| Input | Active Dataset | DataSet2 |
| Filter | <none> |
| Weight | Grad.enr.Wall |
| Split File | <none> |
| N of Rows in Working Data File | 285 |
| 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 retentionrate  /METHOD=ENTER percentF SATSwEst church Private Enrollment2013undergradover1000. |
| Resources | Processor Time | 00:00:00.00 |
| Elapsed Time | 00:00:00.00 |
| Memory Required | 6388 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Privateb | . | Enter |
| a. Dependent Variable: retention rate | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .836a | .699 | .693 | 5.382 |
| a. Predictors: (Constant), Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Private | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 15829.969 | 5 | 3165.994 | 109.300 | .000b |
| Residual | 6815.892 | 235 | 28.966 |  |  |
| Total | 22645.861 | 240 |  |  |  |
| a. Dependent Variable: retention rate | | | | | | |
| b. Predictors: (Constant), Enrollment2013undergradover1000, percent F, SAT'SwEst, church, Private | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 23.879 | 2.905 |  | 8.220 | .000 |
| percent F | .090 | .027 | .120 | 3.282 | .001 |
| SAT'SwEst | .047 | .003 | .742 | 17.309 | .000 |
| church | 3.082 | 1.191 | .112 | 2.589 | .010 |
| Private | .190 | .984 | .010 | .193 | .847 |
| Enrollment2013undergradover1000 | .239 | .038 | .269 | 6.334 | .000 |
| a. Dependent Variable: retention rate | | | | | | |

Warning # 3211

On at least one case, the value of the weight variable was zero, negative, or

missing. Such cases are invisible to statistical procedures and graphs which

need positively weighted cases, but remain on the file and are processed by

non-statistical facilities such as LIST and SAVE.

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 22-SEP-2016 09:04:55 |
| Comments | |  |
| Input | Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | Ret.Enr.Wall |
| Split File | <none> |
| N of Rows in Working Data File | 282 |
| 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 retentionrate  /METHOD=ENTER percentF church Private SATSwEst Enrollment2013undergrad1000s. |
| Resources | Processor Time | 00:00:00.08 |
| Elapsed Time | 00:00:00.08 |
| Memory Required | 6428 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | Enrollment2013undergrad1000s, percent F, SAT'SwEst, church, Privateb | . | Enter |
| a. Dependent Variable: retention rate | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .835a | .698 | .692 | 5.438 |
| a. Predictors: (Constant), Enrollment2013undergrad1000s, percent F, SAT'SwEst, church, Private | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 18766.892 | 5 | 3753.378 | 126.934 | .000b |
| Residual | 8124.008 | 275 | 29.570 |  |  |
| Total | 26890.900 | 280 |  |  |  |
| a. Dependent Variable: retention rate | | | | | | |
| b. Predictors: (Constant), Enrollment2013undergrad1000s, percent F, SAT'SwEst, church, Private | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 23.657 | 2.707 |  | 8.738 | .000 |
| percent F | .097 | .025 | .130 | 3.829 | .000 |
| church | 3.032 | 1.113 | .110 | 2.724 | .007 |
| Private | .223 | .928 | .011 | .241 | .810 |
| SAT'SwEst | .047 | .003 | .737 | 18.459 | .000 |
| Enrollment2013undergrad1000s | .240 | .036 | .267 | 6.768 | .000 |
| a. Dependent Variable: retention rate | | | | | | |

**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 22-SEP-2016 09:08:23 |
| Comments | |  |
| Input | Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | Grad.enr.Wall |
| Split File | <none> |
| N of Rows in Working Data File | 285 |
| 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 grad\_rate\_6yr  /METHOD=ENTER percentF church Private SATSwEst Enrollment2013undergrad1000s. |
| Resources | Processor Time | 00:00:00.00 |
| Elapsed Time | 00:00:00.00 |
| Memory Required | 6428 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | Enrollment2013undergrad1000s, percent F, SAT'SwEst, church, Privateb | . | Enter |
| a. Dependent Variable: grad\_rate\_6yr | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .809a | .655 | .649 | 11.111 |
| a. Predictors: (Constant), Enrollment2013undergrad1000s, percent F, SAT'SwEst, church, Private | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 65099.736 | 5 | 13019.947 | 105.469 | .000b |
| Residual | 34294.186 | 278 | 123.448 |  |  |
| Total | 99393.922 | 283 |  |  |  |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |
| b. Predictors: (Constant), Enrollment2013undergrad1000s, percent F, SAT'SwEst, church, Private | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | -42.011 | 5.549 |  | -7.571 | .000 |
| percent F | .311 | .052 | .214 | 5.960 | .000 |
| church | 4.002 | 2.252 | .076 | 1.777 | .077 |
| Private | 6.671 | 1.873 | .177 | 3.562 | .000 |
| SAT'SwEst | .078 | .005 | .639 | 15.138 | .000 |
| Enrollment2013undergrad1000s | .375 | .072 | .217 | 5.190 | .000 |
| a. Dependent Variable: grad\_rate\_6yr | | | | | | |