GET DATA /TYPE=XLSX

 /FILE='E:\PA\Friday\_outcomes\_data\_enroll\_xls\_regress5.xlsx'

 /SHEET=name 'Sheet1'

 /CELLRANGE=full

 /READNAMES=on

 /ASSUMEDSTRWIDTH=32767.

EXECUTE.

DATASET NAME DataSet4 WINDOW=FRONT.

REGRESSION

 /MISSING LISTWISE

 /STATISTICS COEFF OUTS R ANOVA

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

 /NOORIGIN

 /DEPENDENT retentionrate

 /METHOD=ENTER percentF acceptancerate.

**Regression**

|  |
| --- |
| **Notes** |
| Output Created | 18-APR-2016 10:44:24 |
| Comments |  |
| Input | Active Dataset | DataSet4 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 411 |
| 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 acceptancerate. |
| Resources | Processor Time | 00:00:00.00 |
| Elapsed Time | 00:00:00.05 |
| Memory Required | 4836 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

[DataSet4]

|  |
| --- |
| **Variables Entered/Removeda** |
| Model | Variables Entered | Variables Removed | Method |
| 1 | acceptance rate, 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 | .662a | .439 | .434 | 7.780 |
| a. Predictors: (Constant), acceptance rate, percent F |

|  |
| --- |
| **ANOVAa** |
| Model | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 11915.905 | 2 | 5957.953 | 98.434 | .000b |
| Residual | 15252.858 | 252 | 60.527 |  |  |
| Total | 27168.763 | 254 |  |  |  |
| a. Dependent Variable: retention rate |
| b. Predictors: (Constant), acceptance rate, percent F |

|  |
| --- |
| **Coefficientsa** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 96.068 | 1.839 |  | 52.232 | .000 |
| percent F | .122 | .034 | .172 | 3.629 | .000 |
| acceptance rate | -.319 | .023 | -.655 | -13.817 | .000 |
| a. Dependent Variable: retention rate |

COMPUTE enroll1000s=Enrollment2013undergrad/1000.

EXECUTE.

REGRESSION

 /MISSING LISTWISE

 /STATISTICS COEFF OUTS R ANOVA

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

 /NOORIGIN

 /DEPENDENT retentionrate

 /METHOD=ENTER percentF acceptancerate enroll1000s.

REGRESSION

 /MISSING LISTWISE

 /STATISTICS COEFF OUTS R ANOVA

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

 /NOORIGIN

 /DEPENDENT retentionrate

 /METHOD=ENTER percentF acceptancerate enroll1000s church Private.

**Regression**

|  |
| --- |
| **Notes** |
| Output Created | 18-APR-2016 10:46:39 |
| Comments |  |
| Input | Active Dataset | DataSet4 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 411 |
| 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 acceptancerate enroll1000s church Private. |
| Resources | Processor Time | 00:00:00.02 |
| Elapsed Time | 00:00:00.08 |
| Memory Required | 5828 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |
| --- |
| **Variables Entered/Removeda** |
| Model | Variables Entered | Variables Removed | Method |
| 1 | Private, percent F, acceptance rate, enroll1000s, churchb | . | 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 | .715a | .511 | .501 | 7.308 |
| a. Predictors: (Constant), Private, percent F, acceptance rate, enroll1000s, church |

|  |
| --- |
| **ANOVAa** |
| Model | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 13871.708 | 5 | 2774.342 | 51.952 | .000b |
| Residual | 13297.056 | 249 | 53.402 |  |  |
| Total | 27168.763 | 254 |  |  |  |
| a. Dependent Variable: retention rate |
| b. Predictors: (Constant), Private, percent F, acceptance rate, enroll1000s, church |

|  |
| --- |
| **Coefficientsa** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 89.221 | 2.294 |  | 38.889 | .000 |
| percent F | .106 | .032 | .150 | 3.310 | .001 |
| acceptance rate | -.302 | .024 | -.620 | -12.535 | .000 |
| enroll1000s | .429 | .083 | .264 | 5.159 | .000 |
| church | 2.062 | 1.215 | .091 | 1.697 | .091 |
| Private | 4.754 | 1.285 | .214 | 3.700 | .000 |
| a. Dependent Variable: retention rate |

WEIGHT BY Ret.Enr.Wall.

REGRESSION

 /MISSING LISTWISE

 /STATISTICS COEFF OUTS R ANOVA

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

 /NOORIGIN

 /DEPENDENT retentionrate

 /METHOD=ENTER percentF acceptancerate.

**Regression**

|  |
| --- |
| **Notes** |
| Output Created | 18-APR-2016 10:47:35 |
| Comments |  |
| Input | Active Dataset | DataSet4 |
| Filter | <none> |
| Weight | Ret.Enr.Wall |
| Split File | <none> |
| N of Rows in Working Data File | 256 |
| 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 acceptancerate. |
| Resources | Processor Time | 00:00:00.03 |
| Elapsed Time | 00:00:00.08 |
| Memory Required | 4852 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |
| --- |
| **Variables Entered/Removeda** |
| Model | Variables Entered | Variables Removed | Method |
| 1 | acceptance rate, 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 | .690a | .476 | .472 | 7.078 |
| a. Predictors: (Constant), acceptance rate, percent F |

|  |
| --- |
| **ANOVAa** |
| Model | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 11431.601 | 2 | 5715.800 | 114.078 | .000b |
| Residual | 12572.661 | 251 | 50.104 |  |  |
| Total | 24004.262 | 253 |  |  |  |
| a. Dependent Variable: retention rate |
| b. Predictors: (Constant), acceptance rate, percent F |

|  |
| --- |
| **Coefficientsa** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 93.733 | 1.684 |  | 55.648 | .000 |
| percent F | .207 | .034 | .281 | 6.127 | .000 |
| acceptance rate | -.303 | .021 | -.657 | -14.322 | .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

 /MISSING LISTWISE

 /STATISTICS COEFF OUTS R ANOVA

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

 /NOORIGIN

 /DEPENDENT retentionrate

 /METHOD=ENTER percentF acceptancerate church Private enroll1000s.

**Regression**

|  |
| --- |
| **Notes** |
| Output Created | 18-APR-2016 10:48:34 |
| Comments |  |
| Input | Active Dataset | DataSet4 |
| Filter | <none> |
| Weight | Ret.Enr.Wall |
| Split File | <none> |
| N of Rows in Working Data File | 256 |
| 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 acceptancerate church Private enroll1000s. |
| Resources | Processor Time | 00:00:00.00 |
| Elapsed Time | 00:00:00.05 |
| Memory Required | 5828 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |
| --- |
| **Variables Entered/Removeda** |
| Model | Variables Entered | Variables Removed | Method |
| 1 | enroll1000s, percent F, acceptance rate, 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 | .766a | .587 | .579 | 6.322 |
| a. Predictors: (Constant), enroll1000s, percent F, acceptance rate, church, Private |

|  |
| --- |
| **ANOVAa** |
| Model | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 14094.174 | 5 | 2818.835 | 70.521 | .000b |
| Residual | 9910.088 | 248 | 39.971 |  |  |
| Total | 24004.262 | 253 |  |  |  |
| a. Dependent Variable: retention rate |
| b. Predictors: (Constant), enroll1000s, percent F, acceptance rate, church, Private |

|  |
| --- |
| **Coefficientsa** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 87.171 | 1.817 |  | 47.986 | .000 |
| percent F | .167 | .031 | .227 | 5.437 | .000 |
| acceptance rate | -.273 | .021 | -.592 | -13.234 | .000 |
| church | 1.138 | 1.337 | .042 | .852 | .395 |
| Private | 4.154 | 1.029 | .213 | 4.036 | .000 |
| enroll1000s | .325 | .040 | .373 | 8.033 | .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.

WEIGHT OFF.

REGRESSION

 /MISSING LISTWISE

 /STATISTICS COEFF OUTS R ANOVA

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

 /NOORIGIN

 /DEPENDENT grad\_rate\_6yr

 /METHOD=ENTER percentF acceptancerate.

**Regression**

|  |
| --- |
| **Notes** |
| Output Created | 18-APR-2016 10:50:10 |
| Comments |  |
| Input | Active Dataset | DataSet4 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 411 |
| 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 acceptancerate. |
| Resources | Processor Time | 00:00:00.00 |
| Elapsed Time | 00:00:00.06 |
| Memory Required | 4852 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |
| --- |
| **Variables Entered/Removeda** |
| Model | Variables Entered | Variables Removed | Method |
| 1 | acceptance rate, 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 | .663a | .439 | .435 | 13.622 |
| a. Predictors: (Constant), acceptance rate, percent F |

|  |
| --- |
| **ANOVAa** |
| Model | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 36938.629 | 2 | 18469.314 | 99.533 | .000b |
| Residual | 47132.001 | 254 | 185.559 |  |  |
| Total | 84070.629 | 256 |  |  |  |
| a. Dependent Variable: grad\_rate\_6yr |
| b. Predictors: (Constant), acceptance rate, percent F |

|  |
| --- |
| **Coefficientsa** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 84.067 | 3.232 |  | 26.014 | .000 |
| percent F | .353 | .060 | .279 | 5.900 | .000 |
| acceptance rate | -.540 | .041 | -.629 | -13.326 | .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 acceptancerate church Private enroll1000s.

**Regression**

|  |
| --- |
| **Notes** |
| Output Created | 18-APR-2016 10:50:46 |
| Comments |  |
| Input | Active Dataset | DataSet4 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 411 |
| 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 acceptancerate church Private enroll1000s. |
| Resources | Processor Time | 00:00:00.00 |
| Elapsed Time | 00:00:00.09 |
| Memory Required | 5828 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |
| --- |
| **Variables Entered/Removeda** |
| Model | Variables Entered | Variables Removed | Method |
| 1 | enroll1000s, percent F, acceptance rate, 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 | .728a | .530 | .520 | 12.552 |
| a. Predictors: (Constant), enroll1000s, percent F, acceptance rate, church, Private |

|  |
| --- |
| **ANOVAa** |
| Model | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 44525.984 | 5 | 8905.197 | 56.524 | .000b |
| Residual | 39544.645 | 251 | 157.548 |  |  |
| Total | 84070.629 | 256 |  |  |  |
| a. Dependent Variable: grad\_rate\_6yr |
| b. Predictors: (Constant), enroll1000s, percent F, acceptance rate, church, Private |

|  |
| --- |
| **Coefficientsa** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 70.811 | 3.920 |  | 18.062 | .000 |
| percent F | .301 | .056 | .238 | 5.386 | .000 |
| acceptance rate | -.493 | .041 | -.574 | -11.956 | .000 |
| church | 1.721 | 2.067 | .043 | .833 | .406 |
| Private | 12.946 | 2.189 | .330 | 5.915 | .000 |
| enroll1000s | .485 | .143 | .170 | 3.389 | .001 |
| 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 acceptancerate.

**Regression**

|  |
| --- |
| **Notes** |
| Output Created | 18-APR-2016 10:51:45 |
| Comments |  |
| Input | Active Dataset | DataSet4 |
| Filter | <none> |
| Weight | Grad.enr.Wall |
| Split File | <none> |
| N of Rows in Working Data File | 259 |
| 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 acceptancerate. |
| Resources | Processor Time | 00:00:00.00 |
| Elapsed Time | 00:00:00.05 |
| Memory Required | 4852 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |
| --- |
| **Variables Entered/Removeda** |
| Model | Variables Entered | Variables Removed | Method |
| 1 | acceptance rate, 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 | .646a | .417 | .412 | 14.138 |
| a. Predictors: (Constant), acceptance rate, percent F |

|  |
| --- |
| **ANOVAa** |
| Model | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 36309.191 | 2 | 18154.595 | 90.828 | .000b |
| Residual | 50769.486 | 254 | 199.880 |  |  |
| Total | 87078.677 | 256 |  |  |  |
| a. Dependent Variable: grad\_rate\_6yr |
| b. Predictors: (Constant), acceptance rate, percent F |

|  |
| --- |
| **Coefficientsa** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 76.449 | 3.368 |  | 22.695 | .000 |
| percent F | .513 | .068 | .365 | 7.577 | .000 |
| acceptance rate | -.506 | .043 | -.572 | -11.869 | .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 grad\_rate\_6yr

 /METHOD=ENTER percentF acceptancerate church Private enroll1000s.

**Regression**

|  |
| --- |
| **Notes** |
| Output Created | 18-APR-2016 10:52:40 |
| Comments |  |
| Input | Active Dataset | DataSet4 |
| Filter | <none> |
| Weight | Grad.enr.Wall |
| Split File | <none> |
| N of Rows in Working Data File | 259 |
| 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 acceptancerate church Private enroll1000s. |
| Resources | Processor Time | 00:00:00.06 |
| Elapsed Time | 00:00:00.41 |
| Memory Required | 5828 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |
| --- |
| **Variables Entered/Removeda** |
| Model | Variables Entered | Variables Removed | Method |
| 1 | enroll1000s, percent F, acceptance rate, 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 | .742a | .551 | .542 | 12.483 |
| a. Predictors: (Constant), enroll1000s, percent F, acceptance rate, church, Private |

|  |
| --- |
| **ANOVAa** |
| Model | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 47964.319 | 5 | 9592.864 | 61.558 | .000b |
| Residual | 39114.358 | 251 | 155.834 |  |  |
| Total | 87078.677 | 256 |  |  |  |
| a. Dependent Variable: grad\_rate\_6yr |
| b. Predictors: (Constant), enroll1000s, percent F, acceptance rate, church, Private |

|  |
| --- |
| **Coefficientsa** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 61.391 | 3.566 |  | 17.218 | .000 |
| percent F | .423 | .061 | .301 | 6.946 | .000 |
| acceptance rate | -.421 | .041 | -.476 | -10.316 | .000 |
| church | .210 | 2.608 | .004 | .080 | .936 |
| Private | 14.310 | 2.005 | .387 | 7.136 | .000 |
| enroll1000s | .528 | .079 | .320 | 6.646 | .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.