**Cross-tables of Gold standard by Student for overall group, under graduates and postgraduates**

SORT CASES BY Group.

SPLIT FILE SEPARATE BY Group.

CROSSTABS

/TABLES=Goldcriterion BY Student

/FORMAT=AVALUE TABLES

/STATISTICS=CHISQ

/CELLS=COUNT EXPECTED COLUMN SRESID

/COUNT ROUND CELL.

**Crosstabs**

**Group = Undergraduate**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case Processing Summarya** | | | | | | |
|  | Cases | | | | | |
| Valid | | Missing | | Total | |
| N | Percent | N | Percent | N | Percent |
| Gold criterion \* Student | 3850 | 100.0% | 0 | 0.0% | 3850 | 100.0% |
| a. Group = Undergraduate | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gold criterion \* Student Crosstabulationa** | | | | | | | | |
|  | | | Student | | | | | Total |
| - | A | D | I | V |
| Gold criterion | A | Count | 2 | 855 | 23 | 112 | 38 | 1030 |
| Expected Count | 1.1 | 260.3 | 147.1 | 302.6 | 318.9 | 1030.0 |
| % within Student | 50.0% | 87.9% | 4.2% | 9.9% | 3.2% | 26.8% |
| Standardized Residual | .9 | 36.9 | -10.2 | -11.0 | -15.7 |  |
| D | Count | 0 | 34 | 360 | 126 | 50 | 570 |
| Expected Count | .6 | 144.1 | 81.4 | 167.4 | 176.5 | 570.0 |
| % within Student | 0.0% | 3.5% | 65.5% | 11.1% | 4.2% | 14.8% |
| Standardized Residual | -.8 | -9.2 | 30.9 | -3.2 | -9.5 |  |
| I | Count | 1 | 32 | 77 | 889 | 2 | 1001 |
| Expected Count | 1.0 | 253.0 | 143.0 | 294.1 | 309.9 | 1001.0 |
| % within Student | 25.0% | 3.3% | 14.0% | 78.6% | 0.2% | 26.0% |
| Standardized Residual | .0 | -13.9 | -5.5 | 34.7 | -17.5 |  |
| V | Count | 1 | 52 | 90 | 4 | 1102 | 1249 |
| Expected Count | 1.3 | 315.7 | 178.4 | 366.9 | 386.7 | 1249.0 |
| % within Student | 25.0% | 5.3% | 16.4% | 0.4% | 92.4% | 32.4% |
| Standardized Residual | -.3 | -14.8 | -6.6 | -18.9 | 36.4 |  |
| Total | | Count | 4 | 973 | 550 | 1131 | 1192 | 3850 |
| Expected Count | 4.0 | 973.0 | 550.0 | 1131.0 | 1192.0 | 3850.0 |
| % within Student | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| a. Group = Undergraduate | | | | | | | | |

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| --- | --- | --- | --- |
| **Chi-Square Testsa** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 6649.477b | 12 | <0.001 |
| Likelihood Ratio | 6020.435 | 12 | .000 |
| N of Valid Cases | 3850 |  |  |
| a. Group = Undergraduate | | | |
| b. 4 cells (20.0%) have expected count less than 5. The minimum expected count is .59. | | | |

**Group = Postgraduate**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case Processing Summarya** | | | | | | |
|  | Cases | | | | | |
| Valid | | Missing | | Total | |
| N | Percent | N | Percent | N | Percent |
| Gold criterion \* Student | 202 | 100.0% | 0 | 0.0% | 202 | 100.0% |
| a. Group = Postgraduate | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Gold criterion \* Student Crosstabulationa** | | | | | | | |
|  | | | Student | | | | Total |
| A | D | I | V |
| Gold criterion | A | Count | 39 | 0 | 12 | 0 | 51 |
| Expected Count | 12.1 | 7.6 | 16.2 | 15.1 | 51.0 |
| % within Student | 81.3% | 0.0% | 18.8% | 0.0% | 25.2% |
| Standardized Residual | 7.7 | -2.8 | -1.0 | -3.9 |  |
| D | Count | 2 | 23 | 8 | 6 | 39 |
| Expected Count | 9.3 | 5.8 | 12.4 | 11.6 | 39.0 |
| % within Student | 4.2% | 76.7% | 12.5% | 10.0% | 19.3% |
| Standardized Residual | -2.4 | 7.2 | -1.2 | -1.6 |  |
| I | Count | 3 | 3 | 44 | 0 | 50 |
| Expected Count | 11.9 | 7.4 | 15.8 | 14.9 | 50.0 |
| % within Student | 6.3% | 10.0% | 68.8% | 0.0% | 24.8% |
| Standardized Residual | -2.6 | -1.6 | 7.1 | -3.9 |  |
| V | Count | 4 | 4 | 0 | 54 | 62 |
| Expected Count | 14.7 | 9.2 | 19.6 | 18.4 | 62.0 |
| % within Student | 8.3% | 13.3% | 0.0% | 90.0% | 30.7% |
| Standardized Residual | -2.8 | -1.7 | -4.4 | 8.3 |  |
| Total | | Count | 48 | 30 | 64 | 60 | 202 |
| Expected Count | 48.0 | 30.0 | 64.0 | 60.0 | 202.0 |
| % within Student | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| a. Group = Postgraduate | | | | | | | |

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| --- | --- | --- | --- |
| **Chi-Square Testsa** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 317.815b | 9 | <0.001 |
| Likelihood Ratio | 301.760 | 9 | .000 |
| N of Valid Cases | 202 |  |  |
| a. Group = Postgraduate | | | |
| b. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 5.79. | | | |

SPLIT FILE OFF.

CROSSTABS

/TABLES=Goldcriterion BY Student

/FORMAT=AVALUE TABLES

/STATISTICS=CHISQ

/CELLS=COUNT EXPECTED COLUMN SRESID

/COUNT ROUND CELL.

**Crosstabs: Overall**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case Processing Summary** | | | | | | |
|  | Cases | | | | | |
| Valid | | Missing | | Total | |
| N | Percent | N | Percent | N | Percent |
| Gold criterion \* Student | 4052 | 100.0% | 0 | 0.0% | 4052 | 100.0% |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gold criterion \* Student Crosstabulation** | | | | | | | | |
|  | | | Student | | | | | Total |
| - | A | D | I | V |
| Gold criterion | A | Count | 2 | 894 | 23 | 124 | 38 | 1081 |
| Expected Count | 1.1 | 272.4 | 154.7 | 318.8 | 334.0 | 1081.0 |
| % within Student | 50.0% | 87.6% | 4.0% | 10.4% | 3.0% | 26.7% |
| Standardized Residual | .9 | 37.7 | -10.6 | -10.9 | -16.2 |  |
| D | Count | 0 | 36 | 383 | 134 | 56 | 609 |
| Expected Count | .6 | 153.5 | 87.2 | 179.6 | 188.2 | 609.0 |
| % within Student | 0.0% | 3.5% | 66.0% | 11.2% | 4.5% | 15.0% |
| Standardized Residual | -.8 | -9.5 | 31.7 | -3.4 | -9.6 |  |
| I | Count | 1 | 35 | 80 | 933 | 2 | 1051 |
| Expected Count | 1.0 | 264.8 | 150.4 | 310.0 | 324.7 | 1051.0 |
| % within Student | 25.0% | 3.4% | 13.8% | 78.1% | 0.2% | 25.9% |
| Standardized Residual | .0 | -14.1 | -5.7 | 35.4 | -17.9 |  |
| V | Count | 1 | 56 | 94 | 4 | 1156 | 1311 |
| Expected Count | 1.3 | 330.3 | 187.7 | 386.6 | 405.1 | 1311.0 |
| % within Student | 25.0% | 5.5% | 16.2% | 0.3% | 92.3% | 32.4% |
| Standardized Residual | -.3 | -15.1 | -6.8 | -19.5 | 37.3 |  |
| Total | | Count | 4 | 1021 | 580 | 1195 | 1252 | 4052 |
| Expected Count | 4.0 | 1021.0 | 580.0 | 1195.0 | 1252.0 | 4052.0 |
| % within Student | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chi-Square Tests** | | | |
|  | Value | df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 6962.714a | 12 | <0.001 |
| Likelihood Ratio | 6307.416 | 12 | .000 |
| N of Valid Cases | 4052 |  |  |
| a. 4 cells (20.0%) have expected count less than 5. The minimum expected count is .60. | | | |