

Frequencies

[DataSet1]

Statistics

| | | English classroom energy (3-category) | Math classroom energy (3-category) | Science classroom energy (3-category) | Student at-risk status | Student grade level |
|---|---------|---------------------------------------|------------------------------------|---------------------------------------|------------------------|---------------------|
| N | Valid | 3548 | 3436 | 3321 | 3736 | 3736 |
| | Missing | 369 | 481 | 596 | 181 | 181 |

Frequency Table

English classroom energy (3-category)

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|----------|-----------|---------|---------------|--------------------|
| Valid | Negative | 213 | 5.4 | 6.0 | 6.0 |
| | Neutral | 362 | 9.2 | 10.2 | 16.2 |
| | Positive | 2973 | 75.9 | 83.8 | 100.0 |
| | Total | 3548 | 90.6 | 100.0 | |
| Missing | System | 369 | 9.4 | | |
| Total | | 3917 | 100.0 | | |

Math classroom energy (3-category)

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|----------|-----------|---------|---------------|--------------------|
| Valid | Negative | 264 | 6.7 | 7.7 | 7.7 |
| | Neutral | 428 | 10.9 | 12.5 | 20.1 |
| | Positive | 2744 | 70.1 | 79.9 | 100.0 |
| | Total | 3436 | 87.7 | 100.0 | |
| Missing | System | 481 | 12.3 | | |
| Total | | 3917 | 100.0 | | |

Science classroom energy (3-category)

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|----------|-----------|---------|---------------|--------------------|
| Valid | Negative | 249 | 6.4 | 7.5 | 7.5 |
| | Neutral | 405 | 10.3 | 12.2 | 19.7 |
| | Positive | 2667 | 68.1 | 80.3 | 100.0 |
| | Total | 3321 | 84.8 | 100.0 | |
| Missing | System | 596 | 15.2 | | |
| Total | | 3917 | 100.0 | | |

Student at-risk status

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|-------------|-----------|---------|---------------|--------------------|
| Valid | Not at-risk | 1578 | 40.3 | 42.2 | 42.2 |
| | At-risk | 2158 | 55.1 | 57.8 | 100.0 |
| | Total | 3736 | 95.4 | 100.0 | |
| Missing | System | 181 | 4.6 | | |
| Total | | 3917 | 100.0 | | |

Student grade level

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|----------|-----------|---------|---------------|--------------------|
| Valid | Grade 9 | 1281 | 32.7 | 34.3 | 34.3 |
| | Grade 10 | 1143 | 29.2 | 30.6 | 64.9 |
| | Grade 11 | 698 | 17.8 | 18.7 | 83.6 |
| | Grade 12 | 614 | 15.7 | 16.4 | 100.0 |
| | Total | 3736 | 95.4 | 100.0 | |
| Missing | System | 181 | 4.6 | | |
| Total | | 3917 | 100.0 | | |

* Filter to Rosemary High School only for Task 3.

```
USE ALL.
COMPUTE filter_Rosemary = (RTRIM(LTRIM(CAMPUS_NAME)) = 'Rosemary High School').
VARIABLE LABELS filter_Rosemary 'Filter: Rosemary High School only'.
VALUE LABELS filter_Rosemary 0 'Other campuses' 1 'Rosemary High School'.
FORMATS filter_Rosemary (F1.0).
FILTER BY filter_Rosemary.
EXECUTE.
```

* Crosstabs with chi-square.

```
CROSSTABS
  /TABLES=Q111_3CAT BY AT_RISK
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ
  /CELLS=COUNT COLUMN.
```

Crosstabs

Case Processing Summary

| | Valid | | Cases Missing | | Total | |
|--|--|---------|---------------|---------|-------|---------|
| | N | Percent | N | Percent | N | Percent |
| | English classroom energy (3-category) * Student at-risk status | 587 | 93.3% | 42 | 6.7% | 629 |

English classroom energy (3-category) * Student at-risk status Crosstabulation

| | | | | Student at-risk status | | Total |
|---------------------------------------|---------------------------------|---------------------------------|--------|------------------------|---------|-------|
| | | | | Not at-risk | At-risk | |
| English classroom energy (3-category) | Negative | Count | 11 | 24 | 35 | |
| | | % within Student at-risk status | 5.1% | 6.5% | 6.0% | |
| | Neutral | Count | 26 | 34 | 60 | |
| | | % within Student at-risk status | 12.1% | 9.1% | 10.2% | |
| | Positive | Count | 178 | 314 | 492 | |
| | | % within Student at-risk status | 82.8% | 84.4% | 83.8% | |
| Total | Count | 215 | 372 | 587 | | |
| | % within Student at-risk status | 100.0% | 100.0% | 100.0% | | |

Chi-Square Tests

| | Value | df | Asymptotic Significance (2-sided) |
|------------------------------|--------------------|----|-----------------------------------|
| Pearson Chi-Square | 1.613 ^a | 2 | .447 |
| Likelihood Ratio | 1.597 | 2 | .450 |
| Linear-by-Linear Association | .004 | 1 | .951 |
| N of Valid Cases | 587 | | |

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 12.82.

CROSSTABS

```

/TABLES=Q211_3CAT BY AT_RISK
/FORMAT=AVALUE TABLES
/STATISTICS=CHISQ
/CELLS=COUNT COLUMN.
    
```

Crosstabs

Case Processing Summary

| | Valid | | Cases Missing | | Total | |
|---|-------|---------|---------------|---------|-------|---------|
| | N | Percent | N | Percent | N | Percent |
| Math classroom energy (3-category) * Student at-risk status | 552 | 87.8% | 77 | 12.2% | 629 | 100.0% |

Math classroom energy (3-category) * Student at-risk status Crosstabulation

| | | | Student at-risk status | | Total |
|------------------------------------|---------------------------------|---------------------------------|------------------------|---------|-------|
| | | | Not at-risk | At-risk | |
| Math classroom energy (3-category) | Negative | Count | 19 | 27 | 46 |
| | | % within Student at-risk status | 9.3% | 7.8% | 8.3% |
| | Neutral | Count | 23 | 49 | 72 |
| | | % within Student at-risk status | 11.3% | 14.1% | 13.0% |
| | Positive | Count | 162 | 272 | 434 |
| | | % within Student at-risk status | 79.4% | 78.2% | 78.6% |
| Total | Count | 204 | 348 | 552 | |
| | % within Student at-risk status | 100.0% | 100.0% | 100.0% | |

Chi-Square Tests

| | Value | df | Asymptotic Significance (2-sided) |
|------------------------------|--------------------|----|-----------------------------------|
| Pearson Chi-Square | 1.175 ^a | 2 | .556 |
| Likelihood Ratio | 1.186 | 2 | .553 |
| Linear-by-Linear Association | .003 | 1 | .955 |
| N of Valid Cases | 552 | | |

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 17.00.

```
CROSSTABS
  /TABLES=Q311_3CAT BY AT_RISK
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ
  /CELLS=COUNT COLUMN.
```

Crosstabs

Case Processing Summary

| | Cases | | | | | |
|--|-------|---------|---------|---------|-------|---------|
| | Valid | | Missing | | Total | |
| | N | Percent | N | Percent | N | Percent |
| Science classroom energy (3-category) * Student at-risk status | 522 | 83.0% | 107 | 17.0% | 629 | 100.0% |

Science classroom energy (3-category) * Student at-risk status Crosstabulation

| | | | Student at-risk status | | Total |
|---------------------------------------|---------------------------------|---------------------------------|------------------------|---------|-------|
| | | | Not at-risk | At-risk | |
| Science classroom energy (3-category) | Negative | Count | 10 | 28 | 38 |
| | | % within Student at-risk status | 5.1% | 8.6% | 7.3% |
| | Neutral | Count | 21 | 32 | 53 |
| | | % within Student at-risk status | 10.7% | 9.8% | 10.2% |
| | Positive | Count | 166 | 265 | 431 |
| | | % within Student at-risk status | 84.3% | 81.5% | 82.6% |
| Total | Count | 197 | 325 | 522 | |
| | % within Student at-risk status | 100.0% | 100.0% | 100.0% | |

Chi-Square Tests

| | Value | df | Asymptotic Significance (2-sided) |
|------------------------------|--------------------|----|-----------------------------------|
| Pearson Chi-Square | 2.301 ^a | 2 | .317 |
| Likelihood Ratio | 2.413 | 2 | .299 |
| Linear-by-Linear Association | 1.449 | 1 | .229 |
| N of Valid Cases | 522 | | |

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 14.34.