

# NSSE 2023 Topical Module Report Development of Transferable Skills

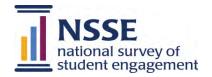
Wright State University-Lake Campus

Adapted from a pilot survey that was developed by the American Association of State Colleges and Universities, this module examines activities that develop useful and transferable skills for the workplace and beyond (such as verbal and written fluency, critical thinking, creative thinking, problem solving, project management, and time management). The module complements questions on the core survey about higher-order learning, reflective and integrative learning, and students' perceptions of their development in a variety of areas.

Comparison group details are in the online Selected Comparison Groups report, linked in the Data & Reports table on the Institution Interface. A PDF copy is also saved in your report download folder.

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# Frequencies and Statistical Comparisons Wright State University-Lake Campus

| Note   Part      |                                       |               |                     |                           | Frequen       | cv Di  | istributio | ns <sup>a</sup> | Statistical C | `ompari  | isons <sup>b</sup> |
|--|---------------------------------------|---------------|---------------------|---------------------------|---------------|--------|------------|-----------------|---------------|----------|--------------------|
| Notice   Poblity   Pobli   |                                       |               |                     |                           |               | -      |            |                 |               |          |                    |
| During the current school year, whether course-related or not, about how often have you done the following:  |                                       |               |                     |                           | ū             |        |            | CJ              | ŭ             |          |                    |
| During the current school year, whether course—related or nort, about how often have youloum to be section of the section o    |                                       | Variable      |                     |                           |               |        |            |                 |               |          | Effect             |
| a. Discussed or debated an issue of social, political, or philosophical importance    1 Nover   14 29   456   17   | Item wording or description           |               | Values <sup>c</sup> | Response options          | Count         | %      | Count      | %               | Mean          | Mean     | size <sup>d</sup>  |
| Social Colinear   2   Sometimes   2   3   00   00   10   10   10   10   10   | 1. During the current school year, v  | whether cours | e-related           | l or not, about how ofter | n have you do | ne the | following? |                 |               |          |                    |
| TRNspeech   1  | a. Discussed or debated an issue of   | TRNdebate     | 1                   | Never                     | 14            | 29     | 456        | 17              |               |          |                    |
| 1  |                                       |               | 2                   | Sometimes                 | 25            | 42     | 1,081      | 40              |               |          |                    |
| D. Made a speech to a group   TRNspeech   1   Never   22   46   862   31   1   1   1   1   1   1   1   1   | importance                            |               | 3                   | Often                     | 9             | 18     | 769        | 28              | 2.1           | 2.4 *    | 31                 |
| b. Made a speech to a group  |                                       |               | 4                   | Very often                | 5             | 11     | 412        | 15              |               | ▼        |                    |
| 2   Sometimes   20   36   1,071   40   40   40   40   40   40   40   4   |                                       |               |                     | Total                     | 53            | 100    | 2,718      | 100             |               |          |                    |
| A very often   1 very often   3 very often   4 very often   3 very often   2 very often   3 very often   4 very often   3 very often   4 very often   2 v    | b. Made a speech to a group           | TRNspeech     | 1                   | Never                     | 23            | 46     | 862        | 31              |               |          |                    |
| C. Worked in a group with people who differed from you in terms of background, political orientation, points of view, etc.  □ Worked in a group with people who differed from you in terms of background, political orientation, points of view, etc.  □ A Usery offen □ A Us  |                                       |               | 2                   | Sometimes                 | 20            | 36     | 1,071      | 40              |               |          |                    |
| C. Worked in a group with people who differed from you in terms of background, political orientation, points of view, etc.  2 Sometimes background, political orientation, points of view, etc.  3 Often 4 Very often 5 3 100 2,716 100  4. Discussed the ethical consequences of a course of a course of action 6 Discussed the ethical consequences of a Course of a course of a course of action 7 Total 7  |                                       |               | 3                   | Often                     | 7             | 11     | 525        | 19              | 1.8           | 2.1 *    | 29                 |
| c. Worked in a group with people who differed from you in terms of background, political orientation, points of view, etc.         TRNgroup         1 Never         8 18 137 5 5 1,102 40 24 14 44 34 36 background, political orientation, points of view, etc.         2 Sometimes         22 41 94 34 35 1,102 40 24 27 *** 2.5 2.5 2.5 2.5 4.6 doi: 10.0 min.         2.3 0 (fine)         20 35 1,102 40 24 24 27 *** 2.5 2.5 2.5 4.6 doi: 10.0 min.         2.3 2,7 *** 2.5 2.5 2.5 4.6 doi: 10.0 min.         2.3 2,7 *** 2.5 2.5 2.5 4.6 doi: 10.0 min.         2.3 2,7 *** 2.5 2.5 2.5 4.6 doi: 10.0 min.         2.3 2,7 *** 2.5 2.5 2.5 4.6 doi: 10.0 min.         2.3 2,7 *** 2.5 2.5 2.5 4.6 doi: 10.0 min.         2.3 2,7 *** 2.5 2.5 2.5 4.6 doi: 10.0 min.         2.3 2,7 *** 2.5 2.5 2.5 4.6 doi: 10.0 min.         2.3 2,7 *** 2.5 2.5 2.5 2.5 2.5 2.6 doi: 10.0 min.         2.3 2,7 *** 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5  |                                       |               | 4                   | Very often                | 3             | 7      | 255        | 9               |               | $\nabla$ |                    |
| who differed from your in terms of background, political orientation, points of view, etc.         2         Sometimes         22         41         944         36         2.3         2.7 *** ± 2.5           of Discussed the ethical consequences of action         TRNethical         1         Never         15         28         372         14         7         14         14         14         15         28         372         14         14         14         14         15         28         372         14         14         14         14         15         28         372         14         18         14 <t< td=""><td></td><td></td><td></td><td>Total</td><td>53</td><td>100</td><td>2,713</td><td>100</td><td></td><td></td><td></td></t<>  |                                       |               |                     | Total                     | 53            | 100    | 2,713      | 100             |               |          |                    |
| background, political orientation, points of view, etc.    3 Offen   20 35   1,102 40   2,3   2,7 *** **.5     4 Very offen   3 7 533 19   |                                       | TRNgroup      | 1                   | Never                     | 8             | 18     | 137        | 5               |               |          |                    |
| Discussed the ethical consequences of a course of action   TRNethical   1   Never   15   28   372   14   14   14   14   15   15   16   16   16   17   18   18   16   17   18   18   16   18   18   18   18   18  |                                       |               | 2                   | Sometimes                 | 22            | 41     | 944        | 36              |               |          |                    |
| A   Very often   3   7   533   19  |                                       |               | 3                   | Often                     | 20            | 35     | 1,102      | 40              | 2.3           | 2.7 ***  | 51                 |
| d. Discussed the ethical consequences of a course of action   2   Sometimes   15   28   372   14   | points of view, etc.                  |               | 4                   | Very often                | 3             | 7      | 533        | 19              |               | ▼        |                    |
| of a course of action    2   Sometimes   19   33   1,098   41   24   2.00   2.4 * 2.00   2.4 * 2.00  |                                       |               |                     | Total                     | 53            | 100    | 2,716      | 100             |               |          |                    |
| Sometimes 17 34 887 33 2.2 2.4 * -3  3 Often 17 34 887 33 2.2 2.4 * -3  4 Very often 2 5 362 13  Total 53 100 2.719 100  e. Evaluated the credibility of information sources 2 Sometimes 19 33 802 30  3 Often 2 6 51 11,138 42  4 Very often 4 10 617 22  Total 53 100 2.715 100  f. Discussed complex problems with others to develop a better solution of the sto develop a better solution 2 Sometimes 3 Sometimes 3 Somet | d. Discussed the ethical consequences | TRNethical    | 1                   | Never                     | 15            | 28     | 372        | 14              |               |          |                    |
| A Very often   1   | of a course of action                 |               | 2                   | Sometimes                 | 19            | 33     | 1,098      | 41              |               |          |                    |
| Total   53   100   2,719   100   |                                       |               | 3                   | Often                     | 17            | 34     | 887        | 33              | 2.2           | 2.4 *    | 32                 |
| E. Evaluated the credibility of information sources    TRNcred   1   |                                       |               | 4                   | Very often                | 2             | 5      | 362        | 13              |               | ▼        |                    |
| 2   Sometimes   2   Sometimes   19   33   802   30   30   30   30   30   30   30   |                                       |               |                     | Total                     | 53            | 100    | 2,719      | 100             |               |          |                    |
| 3 Often 26 51 1,138 42 2.6 2.82  4 Very often 4 10 617 22  Total 53 100 2,715 100  f. Discussed complex problems with others to develop a better solution  TRNcomplex 1 Never 9 18 169 7 2 Sometimes 21 37 937 35 3 Often 17 32 1,117 41 4 Very often 6 14 492 17 Total 53 100 2,715 100  g. Generated multiple solutions to a problem or task 7 Very often 6 12 115 4  Very often 2 38 914 35 3 Often 23 41 1,167 43 2.5 2.7 *3  4 Very often 4 10 516 18 Total 53 100 2,712 100  h. Combined dissimilar concepts to create a novel idea 7 Very often 1 3 24 579 21  create a novel idea 7 TRNcapt 1 Never 13 24 579 21  Total 53 100 2,709 100  TRNcapt 1 Never 13 25 676 25 2.1 2.21  4 Very often 1 3 25 9 9 Total 53 100 2,709 100  i. Adapted a previously used solution to a new situation 7 TRNadapt 1 Never 6 12 254 10 to a new situation 7 TRNadapt 1 Never 6 12 254 10  i. Adapted a previously used solution to a new situation 7 TRNadapt 1 Never 6 12 254 10  i. Adapted a previously used solution to a new situation 2 Sometimes 21 39 1,007 37 2.5 2.56  | e. Evaluated the credibility of       | TRNcred       | 1                   | Never                     | 4             | 6      | 158        | 6               |               |          |                    |
| ## Very often  | information sources                   |               | 2                   | Sometimes                 | 19            | 33     | 802        | 30              |               |          |                    |
| ## Very often  |                                       |               | 3                   | Often                     | 26            | 51     | 1,138      | 42              | 2.6           | 2.8      | 20                 |
| f. Discussed complex problems with others to develop a better solution         TRNcomplex         1 Never         9 18 169 7         16 7         2 Sometimes         21 37 937 35         3 5 35         3 0ften         17 32 1,117 41         4 2.4 2.7 * -3         2.7 * -3         3 0ften         17 32 1,117 41         4 4 492 17 Total         ▼         ▼         2 Sometimes         1 Never         6 14 492 17 Total         ▼         ▼         ▼         2 Sometimes   |                                       |               | 4                   | Very often                | 4             | 10     | 617        | 22              |               |          |                    |
| others to develop a better solution  2 Sometimes 3 Often 117 32 1,117 41 2.4 2.7 *3  4 Very often 6 14 492 17 Total 53 100 2,715 100  g. Generated multiple solutions to a problem or task  2 Sometimes 3 Often 4 Very often 6 12 115 4 2 Sometimes 20 38 914 35 3 Often 23 41 1,167 43 2.5 2.7 *3  4 Very often 4 10 516 18 Total 53 100 2,712 100  h. Combined dissimilar concepts to create a novel idea  TRNcreate 1 Never 1 Never 1 13 24 579 21 2 Sometimes 3 Often 1 4 25 676 25 2.1 2.21  4 Very often 1 3 251 9 Total 53 100 2,709 100  i. Adapted a previously used solution to a new situation  TRNdapt 1 Never 6 12 254 10 2.2 5.56  |                                       |               |                     | Total                     | 53            | 100    | 2,715      | 100             |               |          |                    |
| 3 Often 17 32 1,117 41 2.4 2.7 *3    4 Very often 6 14 492 17    Total 53 100 2,715 100    g. Generated multiple solutions to a problem or task 2 Sometimes 20 38 914 35   3 Often 23 41 1,167 43   4 Very often 4 10 516 18    Total 53 100 2,712 100    h. Combined dissimilar concepts to create a novel idea 2 Sometimes 3 Sometim     | f. Discussed complex problems with    | TRNcomplex    | 1                   | Never                     | 9             | 18     | 169        | 7               |               |          |                    |
| A   Very often   Combined dissimilar concepts to create a novel idea   TRNsolution     |                                       |               | 2                   | Sometimes                 | 21            | 37     | 937        | 35              |               |          |                    |
| ## Very often  |                                       |               | 3                   | Often                     | 17            | 32     | 1,117      | 41              | 2.4           | 2.7 *    | 33                 |
| g. Generated multiple solutions to a problem or task  2 Sometimes  3 Often  4 Very often  Total  53 100  2,715 100  2 Sometimes  20 38 914 35  3 Often  4 10 516 18  Total  53 100  2,712 100  A 10 516 18  Total  53 100  53 100  53 100  53 100  53 100  54 Very often  Total  55 100  56 18  Total  57 100  Total  57 100  A 10 516 18  Total  57 100  58 100  59 100  50   |                                       |               | 4                   | Very often                | 6             | 14     | 492        | 17              |               |          | .55                |
| problem or task  2 Sometimes 20 38 914 35 3 Often 23 41 1,167 43 4 Very often 4 10 516 18 Total 53 100 2,712 100  h. Combined dissimilar concepts to create a novel idea  TRNcreate 2 Sometimes 3 Often 1 1 3 24 579 21 2 Sometimes 2 Sometimes 2 Sometimes 2 Sometimes 3 Often 1 3 251 9 Total 5 3 100 2,709 100  i. Adapted a previously used solution to a new situation 2 Sometimes 3 Often 3 Sometimes 3 Som  |                                       |               |                     | Total                     | 53            | 100    | 2,715      | 100             |               | ·        |                    |
| problem or task  2 Sometimes 20 38 914 35 3 Often 23 41 1,167 43 4 Very often 4 10 516 18 Total 53 100 2,712 100  h. Combined dissimilar concepts to create a novel idea  TRNcreate 2 Sometimes 3 Often 1 1 3 24 579 21 2 Sometimes 2 Sometimes 2 Sometimes 2 Sometimes 3 Often 1 3 251 9 Total 5 3 100 2,709 100  i. Adapted a previously used solution to a new situation 2 Sometimes 3 Often 3 Sometimes 3 Som  | g. Generated multiple solutions to a  | TRNsolution   | 1                   | Never                     | 6             | 12     | 115        | 4               |               |          |                    |
| A Very often   A 10   516   18   | -                                     |               | 2                   | Sometimes                 | 20            | 38     | 914        | 35              |               |          |                    |
| A Very often   A 10   516   18   |                                       |               | 3                   | Often                     | 23            | 41     | 1,167      | 43              | 2.5           | 2.7 *    | 33                 |
| Total   53   100   2,712   100   |                                       |               |                     |                           |               |        |            |                 |               |          |                    |
| h. Combined dissimilar concepts to create a novel idea  2 Sometimes 2 5 48 1,203 45 3 Often 14 25 676 25 2.1 2.21 4 Very often Total 53 100 2,709 100  i. Adapted a previously used solution to a new situation 2 Sometimes 3 Often 3 Sometimes 3 S    |                                       |               |                     |                           | 53            |        |            |                 |               | ·        |                    |
| create a novel idea  2 Sometimes 25 48 1,203 45 3 Often 14 25 676 25 4 Very often 1 3 251 9 Total 53 100 2,709 100  i. Adapted a previously used solution to a new situation 2 Sometimes 3 Often   | h. Combined dissimilar concepts to    | TRNcreate     | 1                   |                           |               |        |            |                 |               |          |                    |
| 3 Often 14 25 676 25 2.1 2.21 4 Very often 1 3 251 9 Total 53 100 2,709 100 i. Adapted a previously used solution to a new situation 7 TRNadapt 1 Never 6 12 254 10 2 Sometimes 21 39 1,093 41 3 Often 21 39 1,007 37 2.5 2.56   |                                       |               | 2                   | Sometimes                 | 25            |        | 1,203      |                 |               |          |                    |
| 4   Very often   1   3   251   9   |                                       |               | 3                   | Often                     | 14            | 25     |            |                 | 2.1           | 2.2      | 18                 |
| Total 53 100 2,709 100  i. Adapted a previously used solution to a new situation 2 Sometimes 21 39 1,093 41 3 Often 21 39 1,007 37 2.5 2.5(  |                                       |               |                     |                           |               |        |            |                 |               |          |                    |
| i. Adapted a previously used solution TRNadapt 1 Never 6 12 254 10 to a new situation 2 Sometimes 21 39 1,093 41 3 Often 21 39 1,007 37 2.5 2.5(   |                                       |               |                     | •                         | 53            | 100    |            | 100             |               |          |                    |
| to a new situation 2 Sometimes 21 39 1,093 41 3 Often 21 39 1,007 37 2.5 2.50  | i. Adapted a previously used solution | TRNadapt      | 1                   |                           |               |        |            |                 |               |          |                    |
| 3 Often 21 39 1,007 37 <b>2.5</b> 2.50   |                                       | 1             | 2                   |                           |               |        |            |                 |               |          |                    |
|  |                                       |               |                     |                           |               |        |            |                 | 2.5           | 2.5      | 06                 |
| 4 Very often 5 10 353 13   |                                       |               | 4                   | Very often                | 5             | 10     | 353        | 13              | 2.0           | 2.3      | .00                |
| Total 53 100 2,707 100   |                                       |               |                     | -                         |               |        |            |                 |               |          |                    |



# Frequencies and Statistical Comparisons Wright State University-Lake Campus

|  |                  |                     |                  | -     | Frequency Distri Wright State- Gr |        |     | Statistical C | Comparisons b |                             |
|--|------------------|---------------------|------------------|-------|-----------------------------------|--------|-----|---------------|---------------|-----------------------------|
|  |                  |                     |                  | Lake  |                                   | Public |     | Lake          | Pu            | blic                        |
| Item wording or description              | Variable<br>name | Values <sup>c</sup> | Response options | Count | %                                 | Count  | %   | Mean          | Mean          | Effect<br>size <sup>d</sup> |
| j. Referred to online content (tutorial, | TRNonlsolve      | 1                   | Never            | 1     | 2                                 | 90     | 4   |               |               |                             |
| forum, webpage, etc.) to solve a         |                  | 2                   | Sometimes        | 17    | 29                                | 725    | 28  |               |               |                             |
| problem                                  |                  | 3                   | Often            | 23    | 47                                | 1,088  | 40  | 2.9           | 2.9           | 04                          |
|  |                  | 4                   | Very often       | 12    | 23                                | 808    | 28  |               |               |                             |
|  |                  |                     | Total            | 53    | 100                               | 2,711  | 100 |               |               |                             |
| k. Referred to online content (tutorial, | TRNonlskill      | 1                   | Never            | 2     | 3                                 | 93     | 3   |               |               |                             |
| forum, webpage, etc.) to learn a         |                  | 2                   | Sometimes        | 19    | 36                                | 777    | 29  |               |               |                             |
| new skill or procedure                   |                  | 3                   | Often            | 21    | 41                                | 1,073  | 40  | 2.8           | 2.9           | 15                          |
|  |                  | 4                   | Very often       | 11    | 20                                | 768    | 27  |               |               |                             |
|  |                  |                     | Total            | 53    | 100                               | 2,711  | 100 |               |               |                             |
| l. Used project management tools to      | TRNproject       | 1                   | Never            | 3     | 6                                 | 285    | 11  |               |               |                             |
| plan, organize, or schedule tasks        |                  | 2                   | Sometimes        | 25    | 48                                | 964    | 37  |               |               |                             |
|  |                  | 3                   | Often            | 18    | 33                                | 957    | 35  | 2.5           | 2.6           | 05                          |
|  |                  | 4                   | Very often       | 7     | 13                                | 503    | 17  |               |               |                             |
|  |                  |                     | Total            | 53    | 100                               | 2,709  | 100 |               |               |                             |
| m. Used a daily or weekly "to do" list   | TRNtodo          | 1                   | Never            | 6     | 13                                | 193    | 8   |               |               |                             |
|  |                  | 2                   | Sometimes        | 14    | 25                                | 609    | 24  |               |               |                             |
|  |                  | 3                   | Often            | 17    | 29                                | 624    | 23  | 2.8           | 3.0           | 22                          |
|  |                  | 4                   | Very often       | 16    | 32                                | 1,285  | 44  |               |               |                             |
|  |                  |                     | Total            | 53    | 100                               | 2,711  | 100 |               |               |                             |
| n. Prioritized what tasks need to be     | TRNtasks         | 1                   | Never            | 1     | 2                                 | 27     | 1   |               |               |                             |
| accomplished                             |                  | 2                   | Sometimes        | 7     | 14                                | 416    | 17  |               |               |                             |
|  |                  | 3                   | Often            | 21    | 37                                | 900    | 34  | 3.3           | 3.3           | .00                         |
|  |                  | 4                   | Very often       | 24    | 47                                | 1,362  | 48  |               |               |                             |
|  |                  |                     | Total            | 53    | 100                               | 2,705  | 100 |               |               |                             |
| o. Worked longer hours than usual to     | TRNhours         | 1                   | Never            | 6     | 11                                | 214    | 8   |               |               |                             |
| meet deadlines (i.e., after midnight,    |                  | 2                   | Sometimes        | 20    | 37                                | 770    | 29  |               |               |                             |
| before dawn)                             |                  | 3                   | Often            | 14    | 27                                | 768    | 29  | 2.7           | 2.9           | 22                          |
|  |                  | 4                   | Very often       | 13    | 26                                | 960    | 34  |               |               |                             |
|  |                  |                     | Total            | 53    | 100                               | 2,712  | 100 |               |               |                             |
| p. Written something (paper, report,     | TRNwrsource      | 1                   | Never            | 3     | 6                                 | 104    | 4   |               |               |                             |
| article, etc.) that used information     |                  | 2                   | Sometimes        | 15    | 31                                | 691    | 27  |               |               |                             |
| from a variety of sources (books,        |                  | 3                   | Often            | 23    | 41                                | 1,021  | 38  | 2.8           | 3.0           | 20                          |
| journals, Internet, databases, etc.)     |                  | 4                   | Very often       | 11    | 22                                | 889    | 31  |               |               |                             |
|  |                  |                     | Total            | 52    | 100                               | 2,705  | 100 |               |               |                             |
| q. Written something (paper, report,     | TRNwrassess      | 1                   | Never            | 4     | 7                                 | 312    | 11  |               |               |                             |
| article, etc.) that assessed the         |                  | 2                   | Sometimes        | 19    | 38                                | 922    | 35  |               |               |                             |
| conclusions of a published work          |                  | 3                   | Often            | 20    | 34                                | 896    | 34  | 2.7           | 2.6           | .06                         |
|  |                  | 4                   | Very often       | 10    | 21                                | 576    | 20  |               |               |                             |
|  |                  |                     | Total            | 53    | 100                               | 2,706  | 100 |               |               |                             |
|  |                  |                     |                  |       |                                   |        |     |               |               |                             |



# Frequencies and Statistical Comparisons Wright State University-Lake Campus

|   | Frequency Distributions |                     |                  |            |     |           |     |                    |          | isons <sup>b</sup>          |
|---|-------------------------|---------------------|------------------|------------|-----|-----------|-----|--------------------|----------|-----------------------------|
|   |                         |                     |                  | Wright Sta | te- | Great Lak | es  | Wright State- Grea |          | Lakes                       |
|   |                         |                     |                  | Lake       |     | Public    |     | Lake               | Public   |                             |
| Item wording or description   | Variable<br>name        | Values <sup>c</sup> | Response options | Count      | %   | Count     | %   | Mean               | Mean     | Effect<br>size <sup>d</sup> |
| r. Written something (paper, report,  | TRNwrideas              | 1                   | Never            | 7          | 14  | 344       | 13  |                    |          |                             |
| article, etc.) that included ideas<br>from more than one academic<br>discipline |                         | 2                   | Sometimes        | 23         | 43  | 990       | 38  |                    |          |                             |
|   |                         | 3                   | Often            | 14         | 22  | 863       | 32  | 2.5                | 2.5      | 06                          |
| discipline  |                         | 4                   | Very often       | 9          | 21  | 507       | 18  |                    |          |                             |
|   |                         |                     | Total            | 53         | 100 | 2,704     | 100 |                    |          |                             |
| s. Written something (paper, report,  | TRNwrviews              | 1                   | Never            | 6          | 12  | 213       | 8   |                    |          |                             |
| article, etc.) that presented multiple  |                         | 2                   | Sometimes        | 24         | 48  | 991       | 37  |                    |          |                             |
| viewpoints or perspectives  |                         | 3                   | Often            | 17         | 28  | 940       | 35  | 2.4                | 2.7 *    | 29                          |
|   |                         | 4                   | Very often       | 6          | 12  | 567       | 20  |                    | $\nabla$ |                             |
|   |                         |                     | Total            | 53         | 100 | 2,711     | 100 |                    |          |                             |



# Frequencies and Statistical Comparisons Wright State University-Lake Campus

|  |               |                     |                         | Frequen     | cv Di    | istributio   | ns <sup>a</sup> | Statistical C | ompari  | isons <sup>b</sup> |
|--|---------------|---------------------|-------------------------|-------------|----------|--------------|-----------------|---------------|---------|--------------------|
|  |               |                     |                         | Wright Sta  | _        | Great Lak    |                 | Wright State- | Great I |                    |
|  |               |                     |                         | Lake        |          | Public       |                 | Lake          | Pub     |                    |
|  | Variable      |                     |                         |             |          |              |                 |               |         | Effect             |
| Item wording or description                                | name          | Values <sup>c</sup> | Response options        | Count       | %        | Count        | %               | Mean          | Mean    | size <sup>d</sup>  |
| 1. During the current school year, v                       | whether cours | e-related           | or not, about how often | have you do | ne the   | following?   |                 |               |         |                    |
| a. Discussed or debated an issue of                        | TRNdebate     | 1                   | Never                   | 17          | 29       | 470          | 18              |               |         |                    |
| social, political, or philosophical                        |               | 2                   | Sometimes               | 24          | 42       | 1,059        | 38              |               |         |                    |
| importance   |               | 3                   | Often                   | 14          | 24       | 745          | 26              | 2.1           | 2.4 **  | 40                 |
|  |               | 4                   | Very often              | 3           | 5        | 517          | 18              |               | •       |                    |
|  |               |                     | Total                   | 58          | 100      | 2,791        | 100             |               |         |                    |
| b. Made a speech to a group                                | TRNspeech     | 1                   | Never                   | 18          | 30       | 696          | 25              |               |         |                    |
|  |               | 2                   | Sometimes               | 21          | 39       | 1,164        | 42              |               |         |                    |
|  |               | 3                   | Often                   | 13          | 23       | 587          | 21              | 2.1           | 2.2     | 12                 |
|  |               | 4                   | Very often              | 5           | 8        | 348          | 12              |               |         |                    |
|  |               |                     | Total                   | 57          | 100      | 2,795        | 100             |               |         |                    |
| c. Worked in a group with people                           | TRNgroup      | 1                   | Never                   | 9           | 15       | 155          | 6               |               |         |                    |
| who differed from you in terms of                          |               | 2                   | Sometimes               | 24          | 43       | 867          | 32              |               |         |                    |
| background, political orientation,<br>points of view, etc. |               | 3                   | Often                   | 19          | 32       | 1,121        | 40              | 2.4           | 2.8 *** | 49                 |
| points of view, etc.                                       |               | 4                   | Very often              | 6           | 10       | 651          | 23              |               | •       |                    |
|  |               |                     | Total                   | 58          | 100      | 2,794        | 100             |               |         |                    |
| d. Discussed the ethical consequences                      | TRNethical    | 1                   | Never                   | 12          | 20       | 345          | 13              |               |         |                    |
| of a course of action                                      |               | 2                   | Sometimes               | 26          | 46       | 1,048        | 38              |               |         |                    |
|  |               | 3                   | Often                   | 16          | 27       | 922          | 33              | 2.2           | 2.5 **  | 36                 |
|  |               | 4                   | Very often              | 4           | 7        | 479          | 17              |               | •       |                    |
|  |               |                     | Total                   | 58          | 100      | 2,794        | 100             |               |         |                    |
| e. Evaluated the credibility of                            | TRNcred       | 1                   | Never                   | 8           | 14       | 157          | 6               |               |         |                    |
| information sources  |               | 2                   | Sometimes               | 19          | 33       | 753          | 28              |               |         |                    |
|  |               | 3                   | Often                   | 17          | 30       | 1,076        | 38              | 2.6           | 2.9     | 29                 |
|  |               | 4                   | Very often              | 14          | 24       | 801          | 28              |               |         |                    |
|  |               |                     | Total                   | 58          | 100      | 2,787        | 100             |               |         |                    |
| f. Discussed complex problems with                         | TRNcomplex    | 1                   | Never                   | 4           | 7        | 183          | 7               |               |         |                    |
| others to develop a better solution                        |               | 2                   | Sometimes               | 19          | 33       | 796          | 29              |               |         |                    |
|  |               | 3                   | Often                   | 24          | 42       | 1,110        | 39              | 2.7           | 2.8     | 10                 |
|  |               | 4                   | Very often              | 11          | 19       | 704          | 25              |               |         |                    |
|  |               |                     | Total                   | 58          | 100      | 2,793        | 100             |               |         |                    |
| g. Generated multiple solutions to a                       | TRNsolution   | 1                   | Never                   | 4           | 7        | 119          | 5               |               |         |                    |
| problem or task  |               | 2                   | Sometimes               | 17          | 30       | 774          | 28              |               |         |                    |
|  |               | 3                   | Often                   | 22          | 38       | 1,179        | 42              | 2.8           | 2.9     | 06                 |
|  |               | 4                   | Very often              | 15          | 25       | 718          | 25              |               |         |                    |
|  |               |                     | Total                   | 58          | 100      | 2,790        | 100             |               |         |                    |
| h. Combined dissimilar concepts to                         | TRNcreate     | 1                   | Never                   | 11          | 18       | 499          | 18              |               |         |                    |
| create a novel idea  |               | 2                   | Sometimes               | 29          | 52       | 1,210        | 44              |               |         |                    |
|  |               | 3                   | Often                   | 12          | 20       | 751          | 27              | 2.2           | 2.3     | 11                 |
|  |               | 4                   | Very often              | 6           | 10       | 330          | 12              |               |         |                    |
|  |               |                     | Total                   | 58          | 100      | 2,790        | 100             |               |         |                    |
| i. Adapted a previously used solution                      | TRNadapt      | 1                   | Never                   | 7           | 11       | 217          | 8               |               |         |                    |
| to a new situation   |               | 2                   | Sometimes               | 21          | 36       | 1,007        | 36              |               |         |                    |
|  |               |                     |                         |             |          |              |                 |               |         |                    |
|  |               | 3                   | Often                   | 19          | 34       | 1,053        | 38              | 2.6           | 2.7     | 08                 |
|  |               | 3 4                 | Often<br>Very often     | 19<br>11    | 34<br>18 | 1,053<br>513 | 38<br>18        | 2.6           | 2.7     | 08                 |



# Frequencies and Statistical Comparisons Wright State University-Lake Campus

|  |                  |                     |                  | Frequen<br>Wright Sta |     | <b>stributio</b><br>Great Lak |            | Statistical C | Comparisons  Great Lakes |                             |
|--|------------------|---------------------|------------------|-----------------------|-----|-------------------------------|------------|---------------|--------------------------|-----------------------------|
|  |                  |                     |                  | Lake                  |     | Public                        | <b>C</b> 3 | Lake          | Puk                      |                             |
| Item wording or description              | Variable<br>name | Values <sup>c</sup> | Response options | Count                 | %   | Count                         | %          | Mean          | Mean                     | Effect<br>size <sup>d</sup> |
| j. Referred to online content (tutorial, | TRNonlsolve      | 1                   | Never            | 6                     | 10  | 81                            | 3          |               |                          |                             |
| forum, webpage, etc.) to solve a         |                  | 2                   | Sometimes        | 17                    | 29  | 614                           | 22         |               |                          |                             |
| problem                                  |                  | 3                   | Often            | 18                    | 32  | 1,030                         | 37         | 2.8           | 3.1 *                    | 35                          |
|  |                  | 4                   | Very often       | 17                    | 29  | 1,063                         | 38         |               | $\blacksquare$           |                             |
|  |                  |                     | Total            | 58                    | 100 | 2,788                         | 100        |               |                          |                             |
| k. Referred to online content (tutorial, | TRNonlskill      | 1                   | Never            | 3                     | 5   | 106                           | 4          |               |                          |                             |
| forum, webpage, etc.) to learn a         |                  | 2                   | Sometimes        | 21                    | 36  | 675                           | 24         |               |                          |                             |
| new skill or procedure                   |                  | 3                   | Often            | 18                    | 32  | 1,017                         | 36         | 2.8           | 3.0                      | 24                          |
|  |                  | 4                   | Very often       | 16                    | 27  | 985                           | 35         |               |                          |                             |
|  |                  |                     | Total            | 58                    | 100 | 2,783                         | 100        |               |                          |                             |
| l. Used project management tools to      | TRNproject       | 1                   | Never            | 6                     | 11  | 271                           | 10         |               |                          |                             |
| plan, organize, or schedule tasks        |                  | 2                   | Sometimes        | 19                    | 33  | 861                           | 31         |               |                          |                             |
|  |                  | 3                   | Often            | 21                    | 36  | 978                           | 35         | 2.7           | 2.7                      | 07                          |
|  |                  | 4                   | Very often       | 12                    | 20  | 674                           | 24         |               |                          |                             |
|  |                  |                     | Total            | 58                    | 100 | 2,784                         | 100        |               |                          |                             |
| m. Used a daily or weekly "to do" list   | TRNtodo          | 1                   | Never            | 5                     | 9   | 210                           | 9          |               |                          |                             |
|  |                  | 2                   | Sometimes        | 12                    | 22  | 525                           | 20         |               |                          |                             |
|  |                  | 3                   | Often            | 15                    | 25  | 580                           | 22         | 3.0           | 3.1                      | 09                          |
|  |                  | 4                   | Very often       | 26                    | 44  | 1,469                         | 50         |               |                          |                             |
|  |                  |                     | Total            | 58                    | 100 | 2,784                         | 100        |               |                          |                             |
| n. Prioritized what tasks need to be     | TRNtasks         | 1                   | Never            | 0                     | 0   | 30                            | 1          |               |                          |                             |
| accomplished                             |                  | 2                   | Sometimes        | 8                     | 15  | 286                           | 11         |               |                          |                             |
|  |                  | 3                   | Often            | 22                    | 38  | 830                           | 31         | 3.3           | 3.4                      | 14                          |
|  |                  | 4                   | Very often       | 28                    | 48  | 1,641                         | 57         |               |                          |                             |
|  |                  |                     | Total            | 58                    | 100 | 2,787                         | 100        |               |                          |                             |
| o. Worked longer hours than usual to     | TRNhours         | 1                   | Never            | 5                     | 8   | 198                           | 7          |               |                          |                             |
| meet deadlines (i.e., after midnight,    |                  | 2                   | Sometimes        | 16                    | 28  | 743                           | 27         |               |                          |                             |
| before dawn)                             |                  | 3                   | Often            | 14                    | 24  | 684                           | 25         | 2.9           | 3.0                      | 06                          |
|  |                  | 4                   | Very often       | 23                    | 39  | 1,157                         | 41         |               |                          |                             |
|  |                  |                     | Total            | 58                    | 100 | 2,782                         | 100        |               |                          |                             |
| p. Written something (paper, report,     | TRNwrsource      | 1                   | Never            | 2                     | 3   | 92                            | 3          |               |                          |                             |
| article, etc.) that used information     |                  | 2                   | Sometimes        | 25                    | 44  | 609                           | 22         |               |                          |                             |
| from a variety of sources (books,        |                  | 3                   | Often            | 12                    | 21  | 958                           | 35         | 2.8           | 3.1 *                    | 34                          |
| journals, Internet, databases, etc.)     |                  | 4                   | Very often       | 19                    | 32  | 1,129                         | 39         |               | •                        |                             |
|  |                  |                     | Total            | 58                    | 100 | 2,788                         | 100        |               |                          |                             |
| q. Written something (paper, report,     | TRNwrassess      | 1                   | Never            | 11                    | 20  | 328                           | 12         |               |                          |                             |
| article, etc.) that assessed the         |                  | 2                   | Sometimes        | 24                    | 42  | 919                           | 34         |               |                          |                             |
| conclusions of a published work          |                  | 3                   | Often            | 8                     | 14  | 780                           | 28         | 2.4           | 2.7 *                    | 27                          |
|  |                  | 4                   | Very often       | 14                    | 24  | 752                           | 26         |               | $\nabla$                 | -                           |
|  |                  |                     | Total            | 57                    | 100 | 2,779                         | 100        |               | ,                        |                             |



# Frequencies and Statistical Comparisons Wright State University-Lake Campus

|  | Frequency Distributions |                     |                  |            |     |           |     |               | Statistical Comparisons <sup>b</sup> |                             |  |  |
|--|-------------------------|---------------------|------------------|------------|-----|-----------|-----|---------------|--------------------------------------|-----------------------------|--|--|
|  |                         |                     |                  | Wright Sta | te- | Great Lak | es  | Wright State- | <b>Great Lakes</b>                   |                             |  |  |
|  |                         |                     |                  | Lake       |     | Public    |     | Lake          | Public                               |                             |  |  |
| Item wording or description            | Variable<br>name        | Values <sup>c</sup> | Response options | Count      | %   | Count     | %   | Mean          | Mean                                 | Effect<br>size <sup>d</sup> |  |  |
| r. Written something (paper, report,   | TRNwrideas              | 1                   | Never            | 9          | 16  | 302       | 11  |               |                                      |                             |  |  |
| article, etc.) that included ideas     |                         | 2                   | Sometimes        | 26         | 45  | 913       | 33  |               |                                      |                             |  |  |
| from more than one academic discipline |                         | 3                   | Often            | 11         | 19  | 834       | 31  | 2.4           | 2.7 *                                | 28                          |  |  |
| шерше                                  |                         | 4                   | Very often       | 12         | 20  | 731       | 25  |               | $\nabla$                             |                             |  |  |
|  |                         |                     | Total            | 58         | 100 | 2,780     | 100 |               |                                      |                             |  |  |
| s. Written something (paper, report,   | TRNwrviews              | 1                   | Never            | 6          | 11  | 251       | 9   |               |                                      |                             |  |  |
| article, etc.) that presented multiple |                         | 2                   | Sometimes        | 28         | 49  | 1,016     | 37  |               |                                      |                             |  |  |
| viewpoints or perspectives             |                         | 3                   | Often            | 15         | 25  | 850       | 31  | 2.4           | 2.7                                  | 26                          |  |  |
|  |                         | 4                   | Very often       | 9          | 15  | 667       | 23  |               |                                      |                             |  |  |
|  |                         |                     | Total            | 58         | 100 | 2,784     | 100 |               |                                      |                             |  |  |



# Detailed Statistics<sup>e</sup> Wright State University-Lake Campus

|             |                   |                   |                    |                   |                       | Stan              | dard               |                        |               | Effect            |
|-------------|-------------------|-------------------|--------------------|-------------------|-----------------------|-------------------|--------------------|------------------------|---------------|-------------------|
|             | N                 | Me                | an                 | Standa            | rd error <sup>f</sup> | devia             | ation <sup>g</sup> | <b>DF</b> <sup>h</sup> | Sig.i         | size <sup>d</sup> |
| Variable    |                   |                   |                    |                   |                       |                   |                    | Comp                   | arisons with: |                   |
| name        | Wright State-Lake | Wright State-Lake | Great Lakes Public | Wright State-Lake | Great Lakes Public    | Wright State-Lake | Great Lakes Public | Great                  | Lakes Public  |                   |
| TRNdebate   | 53                | 2.11              | 2.41               | .132              | .016                  | 0.96              | 0.93               | 3,620                  | .023          | 31                |
| TRNspeech   | 53                | 1.80              | 2.07               | .125              | .016                  | 0.91              | 0.93               | 3,610                  | .034          | 29                |
| TRNgroup    | 53                | 2.31              | 2.73               | .116              | .014                  | 0.85              | 0.83               | 3,615                  | .000          | 51                |
| TRNethical  | 53                | 2.17              | 2.45               | .124              | .015                  | 0.90              | 0.88               | 3,626                  | .022          | 32                |
| TRNcred     | 53                | 2.64              | 2.81               | .103              | .014                  | 0.75              | 0.85               | 3,621                  | .158          | 20                |
| TRNcomplex  | 53                | 2.42              | 2.69               | .130              | .014                  | 0.95              | 0.83               | 3,619                  | .019          | 33                |
| TRNsolution | 53                | 2.49              | 2.75               | .114              | .013                  | 0.83              | 0.80               | 3,615                  | .018          | 33                |
| TRNcreate   | 53                | 2.06              | 2.22               | .107              | .015                  | 0.78              | 0.88               | 54                     | .152          | 18                |
| TRNadapt    | 53                | 2.48              | 2.53               | .115              | .014                  | 0.84              | 0.83               | 3,606                  | .638          | 06                |
| TRNonlsolve | 53                | 2.90              | 2.94               | .105              | .014                  | 0.76              | 0.84               | 3,614                  | .768          | 04                |
| TRNonlskill | 53                | 2.78              | 2.91               | .110              | .014                  | 0.80              | 0.84               | 3,609                  | .263          | 15                |
| TRNproject  | 53                | 2.54              | 2.59               | .110              | .015                  | 0.80              | 0.90               | 3,611                  | .700          | 05                |
| TRNtodo     | 53                | 2.81              | 3.03               | .143              | .017                  | 1.04              | 1.01               | 3,614                  | .116          | 22                |
| TRNtasks    | 53                | 3.29              | 3.29               | .106              | .013                  | 0.77              | 0.78               | 3,607                  | .995          | .00               |
| TRNhours    | 53                | 2.68              | 2.89               | .135              | .016                  | 0.98              | 0.97               | 3,615                  | .115          | 22                |
| TRNwrsource | 52                | 2.79              | 2.96               | .120              | .014                  | 0.86              | 0.86               | 3,599                  | .146          | 20                |
| TRNwrassess | 53                | 2.68              | 2.63               | .123              | .016                  | 0.89              | 0.93               | 3,605                  | .657          | .06               |
| TRNwrideas  | 53                | 2.49              | 2.55               | .135              | .016                  | 0.98              | 0.93               | 3,604                  | .643          | 06                |
| TRNwrviews  | 53                | 2.41              | 2.67               | .118              | .015                  | 0.86              | 0.88               | 3,612                  | .035          | 29                |



# Detailed Statistics<sup>e</sup> Wright State University-Lake Campus

|             |                   | Standard          |                    |                   |                       |                   |                    |                        | Effe              |                   |  |
|-------------|-------------------|-------------------|--------------------|-------------------|-----------------------|-------------------|--------------------|------------------------|-------------------|-------------------|--|
|             | N                 | Me                | an                 | Standa            | rd error <sup>f</sup> | devia             | ntion <sup>g</sup> | <b>DF</b> <sup>h</sup> | Sig. <sup>i</sup> | size <sup>d</sup> |  |
| Variable    |                   |                   |                    |                   |                       |                   |                    | Compo                  | arisons with:     |                   |  |
| name        | Wright State-Lake | Wright State-Lake | Great Lakes Public | Wright State-Lake | Great Lakes Public    | Wright State-Lake | Great Lakes Public | Great Lakes Public     |                   |                   |  |
| TRNdebate   | 58                | 2.05              | 2.45               | .113              | .015                  | 0.86              | 0.98               | 59                     | .001              | 40                |  |
| TRNspeech   | 57                | 2.09              | 2.20               | .124              | .015                  | 0.94              | 0.95               | 4,330                  | .380              | 12                |  |
| TRNgroup    | 58                | 2.37              | 2.79               | .113              | .013                  | 0.86              | 0.86               | 4,332                  | .000              | 49                |  |
| TRNethical  | 58                | 2.20              | 2.53               | .111              | .014                  | 0.84              | 0.92               | 59                     | .005              | 36                |  |
| TRNcred     | 58                | 2.64              | 2.89               | .132              | .014                  | 1.00              | 0.88               | 58                     | .061              | 29                |  |
| TRNcomplex  | 58                | 2.73              | 2.82               | .111              | .013                  | 0.85              | 0.88               | 4,329                  | .437              | 10                |  |
| TRNsolution | 58                | 2.83              | 2.88               | .117              | .013                  | 0.89              | 0.84               | 4,327                  | .642              | 06                |  |
| TRNcreate   | 58                | 2.22              | 2.32               | .113              | .014                  | 0.86              | 0.90               | 4,325                  | .398              | 11                |  |
| TRNadapt    | 58                | 2.59              | 2.66               | .121              | .013                  | 0.92              | 0.86               | 4,326                  | .546              | 08                |  |
| TRNonlsolve | 58                | 2.80              | 3.10               | .128              | .013                  | 0.98              | 0.84               | 58                     | .027              | 35                |  |
| TRNonlskill | 58                | 2.82              | 3.03               | .118              | .013                  | 0.90              | 0.87               | 4,313                  | .067              | 24                |  |
| TRNproject  | 58                | 2.65              | 2.72               | .122              | .014                  | 0.93              | 0.94               | 4,315                  | .573              | 07                |  |
| TRNtodo     | 58                | 3.03              | 3.12               | .135              | .016                  | 1.02              | 1.01               | 4,315                  | .477              | 09                |  |
| TRNtasks    | 58                | 3.33              | 3.43               | .095              | .011                  | 0.72              | 0.74               | 4,320                  | .277              | 14                |  |
| TRNhours    | 58                | 2.94              | 3.00               | .133              | .015                  | 1.01              | 0.98               | 4,314                  | .669              | 06                |  |
| TRNwrsource | 58                | 2.81              | 3.10               | .122              | .013                  | 0.93              | 0.86               | 4,321                  | .011              | 34                |  |
| TRNwrassess | 57                | 2.42              | 2.68               | .141              | .015                  | 1.06              | 0.99               | 4,307                  | .043              | 27                |  |
| TRNwrideas  | 58                | 2.43              | 2.71               | .130              | .015                  | 0.99              | 0.97               | 4,310                  | .032              | 28                |  |
| TRNwrviews  | 58                | 2.44              | 2.68               | .116              | .014                  | 0.88              | 0.93               | 4,315                  | .051              | 26                |  |



## Endnotes

### **Wright State University-Lake Campus**

#### **Endnotes**

- a. Column percentages are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Percentages may not sum to 100 due to rounding. Counts are unweighted; column percentages cannot be replicated from counts. Comparison group details are in the Selected Comparison Groups report, linked in the Data & Reports table on the Institution Interface.
- b. All statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Unless otherwise noted, statistical comparisons are two-tailed independent t-tests. Items with categorical response sets are left blank.
- c. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook.
- d. Effect size for independent t-tests uses Cohen's d; z-tests use Cohen's h.
- e. Statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Categorical items are not listed.
- f. The 95% confidence interval for the population mean is equal to the sample mean plus or minus 1.96 times the standard error of the mean.
- g. A measure of the amount individual scores deviate from the mean of all the scores in the distribution.
- h. Degrees of freedom used to compute the t-tests. Values differ from Ns due to weighting and whether equal variances were assumed.
- i. Statistical comparisons are two-tailed independent t-tests or z-tests. Statistical significance represents the probability that the difference between your students' mean and that of the students in the comparison group is due to chance.
- j. Statistical comparison uses z-test to compare the proportion who responded (depending on the item) "Done or in progress" or "Yes" with all who responded otherwise
- k. Mean represents the proportion who responded (depending on the item) "Done or in progress" or "Yes."

#### Key to symbols:

- **Your students' average** was significantly higher (p < .05) with an effect size at least .3 in magnitude.
- $\triangle$  Your students' average was significantly higher (p < .05) with an effect size less than .3 in magnitude.
- $\nabla$  Your students' average was significantly lower (p < .05) with an effect size less than .3 in magnitude.
- **Your students' average** was significantly lower (p < .05) with an effect size at least .3 in magnitude.

Note: It is important to interpret the direction of differences relative to item wording and your institutional context. You may not see all of these symbols in your report.