

Sample Professional Paper (continued)

COMPARISON OF STUDENT EVALUATIONS OF TEACHING

preceding the change, when students completed paper-based SET forms for face-to-face courses and online SET forms for online courses, and data for the fall semester of the implementation year, when students completed online SET forms for all courses. We used a 2 × 3 × 3 factorial design in which course delivery method (face to face and online) and course level (beginning undergraduate, advanced undergraduate, and graduate) were between-subjects factors and evaluation year (Year 1: 2012, Year 2: 2013, and Year 3: 2014) was a repeated-measures factor. The dependent measures were the response rate (measured as a percentage of class enrollment) and the rating for Item 8 ("Overall assessment of instructor").

Data analysis was limited to scores on Item 8 because the institution agreed to release data on this one item only. Data for scores on Item 18 were made available for SET forms administered in Year 3 to address questions about variation in responses across items. The strong correlation between scores on Item 8 and scores on Item 18 suggested that Item 8 could be used as a surrogate for all the items. These two items were of particular interest because faculty, department chairs, and review committees frequently rely on these two items as stand-alone indicators of teaching quality for annual evaluations and tenure and promotion reviews.

Results

Level 1 heading, 2.27, Table 2.3, Figure 2.5

Response Rates

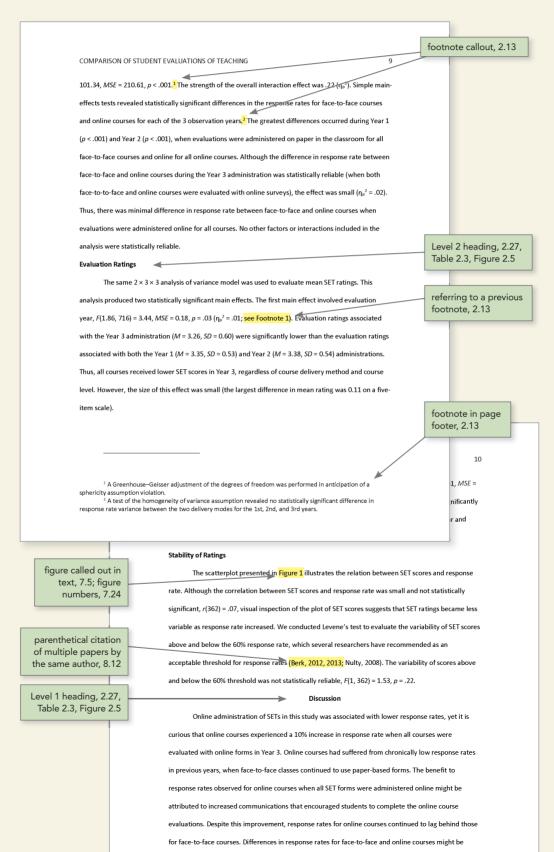
Level 2 heading, 2.27, Table 2.3, Figure 2.5

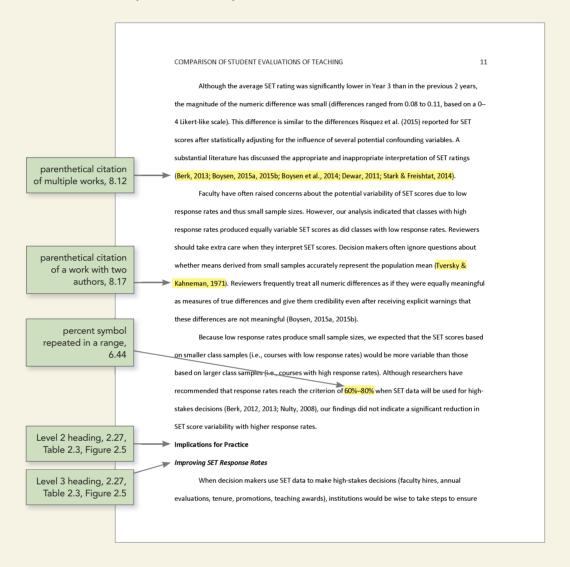
> table called out in text, 7.5; table numbers, 7.10

statistics presented in text, 6.43

Response rates are presented in Table 1. The findings indicate that response rates for face-to-face courses were much higher than for online courses, but only when face-to-face course evaluations were administered in the classroom. In the Year 3 administration, when all course evaluations were administered online, response rates for face-to-face courses declined (M = 47.18%, SD = 20.11), but were still slightly higher than for online courses (M = 41.60%, SD = 18.23). These findings produced a statistically significant interaction between course delivery method and evaluation year, F(1.78, 716) =

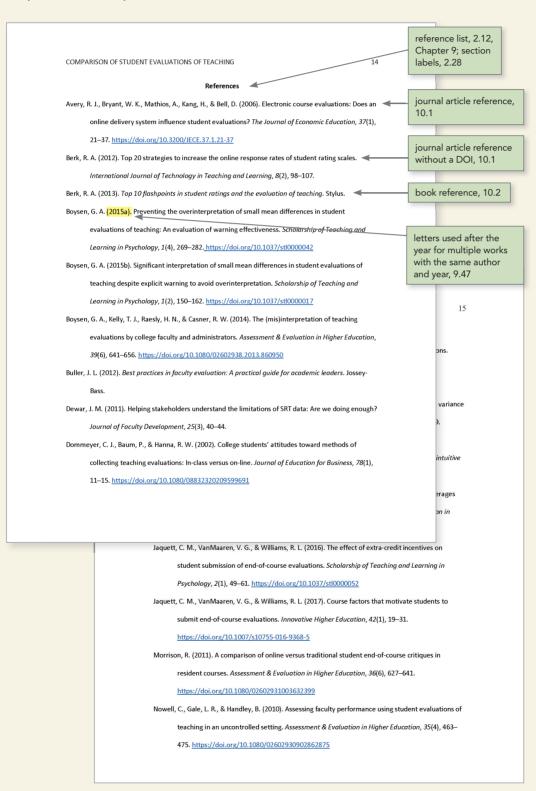
8





Sample Professional Paper (continued)

COMPARISON OF STUDENT EVALUATIONS OF TEACHING 12 that SETs have acceptable response rates. Researchers have discussed effective strategies to improve "see also" citation, 8.12 response rates for SETs (Nulty, 2008; see also Berk, 2013; Dommeyer et al., 2004; Jaquett et al., 2016). These strategies include offering empirically validated incentives, creating high-quality technical systems with good human factors characteristics, and promoting an institutional culture that clearly supports the use of SET data and other information to improve the quality of teaching and learning. Programs and instructors must discuss why information from SETs is important for decision-making and provide students with tangible evidence of how SET information guides decisions about curriculum improvement. The institution should provide students with compelling evidence that the administration system protects the confidentiality of their responses. Level 3 heading, 2.27, Evaluatina SET Scores Table 2.3, Figure 2.5 In addition to ensuring adequate response rates on SETs, decision makers should demand multiple sources of evidence about teaching quality (Buller, 2012). High-stakes decisions should never parenthetical citation of a work with one rely exclusively on numeric data from SETs. Reviewers often treat SET ratings as a surrogate for a author, 8.17 measure of the impact an instructor has on student learning. However, a recent meta-analysis (Uttl et al., 2017) questioned whether SET scores have any relation to student learning. Reviewers need evidence in addition to SET ratings to evaluate teaching, such as evidence of the instructor's disciplinary content expertise, skill with classroom management, ability to engage learners with lectures or other activities, impact on student learning, or success with efforts to modify and improve courses and parenthetical citation of two works, 8.12 teaching strategies (Berk, 2013; Stark & Freishtat, 2014). As with other forms of assessment, any one measure may be limited in terms of the quality of information it provides. Therefore, multiple measures are more informative than any single measure include su COMPARISON OF STUDENT EVALUATIONS OF TEACHING 13 assignmer samples of student work. Course syllabi can identify intended learning outcomes; describe instructional strategies that reflect the rigor of the course (required assignments and grading practices); and provide other information about course content, design, instructional strategies, and instructor interactions with students (Palmer et al., 2014; Stanny et al., 2015). Level 2 heading, 2.27, Conclusion Table 2.3, Figure 2.5 Psychology has a long history of devising creative strategies to measure the "unmeasurable," whether the targeted variable is a mental process, an attitude, or the quality of teaching (e.g., Webb et quotation marks used al., 1966). In addition, psychologists have documented various heuristics and biases that contribute to to indicate an ironic the misinterpretation of quantitative data (Gilovich et al., 2002), including SET scores (Boysen, 2015a, comment, 6.7 2015b; Boysen et al., 2014). These skills enable psychologists to offer multiple solutions to the challenge posed by the need to objectively evaluate the quality of teaching and the impact of teaching on student learning. Online administration of SET forms presents multiple desirable features, including rapid feedback to instructors, economy, and support for environmental sustainability. However, institutions should adopt implementation procedures that do not undermine the usefulness of the data gathered. Moreover, institutions should be wary of emphasizing procedures that produce high response rates only to Iull faculty into believing that SET data can be the primary (or only) metric used for high-stakes decisions about the quality of faculty teaching. Instead, decision makers should expect to use multiple measures to evaluate the quality of faculty teaching



Sample Professional Paper (continued)

COMPARISON OF STUDENT EVALUATIONS OF TEACHING

16

Nulty, D. D. (2008). The adequacy of response rates to online and paper surveys: What can be done? Assessment & Evaluation in Higher Education, 33(3), 301-314.

https://doi.org/10.1080/02602930701293231

Palmer, M. S., Bach, D. J., & Streifer, A. C. (2014). Measuring the promise: A learning-focused syllabus rubric. To Improve the Academy: A Journal of Educational Development, 33(1), 14-36. https://doi.org/10.1002/tia2.20004

Reiner, C. M., & Arnold, K. E. (2010). Online course evaluation: Student and instructor perspectives and assessment potential. Assessment Update, 22(2), 8-10. https://doi.org/10.1002/au.222

Risquez, A., Vaughan, E., & Murphy, M. (2015). Online student evaluations of teaching: What are we sacrificing for the affordances of technology? Assessment & Evaluation in Higher Education, 40(1), 210-234. https://doi.org/10.1080/02602938.2014.890695

title ending with a question mark, 9.19

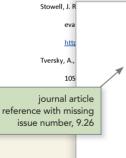
Spooren, P., Brockx, B., & Mortelmans, D. (2013). On the validity of student evaluation of teaching: The state of the art. Review of Educational Research, 83(4), 598-642.

https://doi.org/10.3102/0034654313496870

Stanny, C. J., Gonzalez, M., & McGowan, B. (2015). Assessing the culture of teaching and learning through a syllabus review. Assessment & Evaluation in Higher Education, 40(7), 898-913. https://doi.org/10.1080/02602938.2014.956684

Stark, P. B., & Freishtat, R. (2014). An evaluation of course evaluations. ScienceOpen Research.

https://doi.org/10.14293/S2199-1006.1.SOR-EDU.AOFRQA.v1



COMPARISON OF STUDENT EVALUATIONS OF TEACHING

Uttl, B., White, C. A., & Gonzalez, D. W. (2017). Meta-analysis of faculty's teaching effectiveness: Student evaluation of teaching ratings and student learning are not related. Studies in Educational Evaluation, 54, 22-42. https://doi.org/10.1016/j.stueduc.2016.08.007

Venette, S., Sellnow, D., & McIntyre, K. (2010). Charting new territory: Assessing the online frontier of student ratings of instruction. Assessment & Evaluation in Higher Education, 35(1), 101–115. https://doi.org/10.1080/02602930802618336

Webb. E. J., Campbell, D. T., Schwartz, R. D., & Sechrest, L. (1966), Unobtrusive measures: Nonreactive research in the social sciences. Rand McNally.

17

