This paper attempts to summarize the conclusions of the major reviews of the literature on student ratings of teaching. It is an update of a paper by the same name published as IDEA Paper No. 20 from the Center for Faculty Evaluation and Development in 1988. Viewing student ratings as data rather than evaluations may help to put them in proper perspective. Studies have considered the multidimensionality of student ratings and their reliability and validity. They have been compared to student learning outcomes, the self-ratings of the instructor, and the ratings of others, and possible sources of bias have been studied. There are probably more studies of student ratings than of all the other data used to evaluate college teaching combined, and there are certainly enough studies to allow some conclusions. In general, student ratings tend to be statistically reliable, valid, and relatively free from bias and need for control. Nevertheless, they are only one source of data about teaching and must be used with multiple sources of data to make judgments about all the components of teaching. (Contains 67 references.) (SLD)
Negative attitudes toward student ratings are especially resistant to change, and it seems that faculty and administrators support their belief in student-rating myths with personal and anecdotal evidence, which [for them] outweighs empirically based research evidence.

(Cohen, 1990, p. 124-125)

There are now more than 1,500 references dealing with research on student evaluations of teaching. IDEA Paper No. 20, Student Ratings of Teaching: A Summary of the Research (Cashin, 1988) attempted to briefly summarize the research from 1971 to 1988. This paper is an update of that paper and repeats much of its content. No major study published since then has substantively changed that paper's conclusions, but several studies or reviews of the literature provide modifications or further support for its conclusions.

This paper will attempt to summarize the conclusions of the major reviews of the student rating literature from Costin, Greenough, and Menges (1971) to the present. That literature is extensive and complex. Obviously, a paper this brief can offer only broad, general conclusions and very limited citations. Interested readers are encouraged to consult the various reviews and their individual references for details. For readers with less time, both Braskamp and Ory (1994) and Centra (1993) have chapters summarizing the student rating research; see also Davis (1993) and McKeachie (1994).

The ERIC descriptor for student ratings is "student evaluation of teacher performance." I suggest that the term "student ratings" is preferable to "student evaluations." "Evaluation" has a definitive and terminal connotation; it suggests that we have an answer. "Rating" implies that we have data which need to be interpreted. Using the term "rating" rather than "evaluation" helps to distinguish between the people who provide the information (sources of data) and the people who interpret it in combination with other sources of data (evaluators).

Viewing student ratings as data rather than as evaluations may also help to put them in proper perspective. Writers on faculty evaluation are almost universal in recommending the use of multiple sources of data. No single source of data—including student rating data—provides sufficient information to make a valid judgment about overall teaching effectiveness. Further, there are important aspects of teaching that students are not competent to rate (see IDEA Paper No. 21, Defining and Evaluating College Teaching, Cashin, 1989, for details.)

Multidimensionality

There have been a number of factor analytic studies (see Abrami & d'Apollonia, 1990; Feldman, 1976b; Kulik & McKeachie, 1975; and Marsh & Dunkin, 1992, for details) that conclude that student rating forms are multidimensional, i.e., that they measure several different aspects of teaching. Put another way, no single student rating item, nor set of related items, will be useful for all purposes.

Both Centra (1993) and Braskamp and Ory (1994) identify six factors commonly found in student rating forms:
1. Course organization and planning
2. Clarity, communication skills
3. Teacher student interaction, rapport
4. Course difficulty, workload
5. Grading and examinations
6. Student self-rated learning

Marsh's (1984) SEEQ (Students' Evaluations of Educational Quality) form has nine dimensions: learning/value, enthusiasm, organization, group interaction, individual rapport, breadth of coverage, exams/grades, assignments, and workload. Other student rating forms have items measuring some or all of the above dimensions. In several of his reviews of the literature, Feldman (1976b, 1983, 1984, 1987, and 1988) categorized student ratings items—and gave examples—into as many as 22 different logical dimensions. In a more recent review, Feldman (1989b) identified 28 dimensions. When interpreting student rating data, we must distinguish among the various items and their dimensions to insure that all of the appropriate
dimensions are rated. Averaging dissimilar items is not appropriate.

Although there is general agreement that student ratings are multidimensional, and that various dimensions should be used when their purpose is to improve teaching, there is disagreement about how many, or which, dimensions should be used for personnel decisions. In several articles Abrami (e.g., 1989a; and Abrami & d'Apollonia, 1991) suggested that one or a few global or summary type items might provide sufficient student rating data for personnel decisions. Centra (1993) and Braskamp and Ory (1994) make a similar recommendation. Cashin and Downey (1992) tested this using the IDEA Overall Evaluation measure as the criterion of teaching effectiveness. Each of three global items—individually—accounted for at least 50% of the variance in the criterion measure: overall instructor effectiveness, 54%; overall course worth, 60%; overall amount learned, 69%. However—contrary to their hypothesis—controlling for the students' motivation to take the course, the size of the class, or the difficulty of the subject matter, did not add significantly to the amount of variance explained.

Marsh (1994) had some reservations about the way the IDEA Overall Evaluation measure was calculated and he generated four variations that he considered improvements. However, Cashin, Downey, and Sixbury (1994)—using each of Marsh's four variations as the criterion measure—obtained the same results as the original study: each of the global items accounted for at least 50% of the variance in each of Marsh's criterion measures, and the control items added little.

Reliability

In the educational measurement literature, reliability covers consistency, stability, and generalizability of items. For student rating items, reliability refers most often to consistency or interrater agreement (i.e., within a given class do the students tend to give similar ratings on a given item). Reliability varies depending upon the number of raters, i.e., the more raters, the more reliable. For example, with the IDEA system (Sixbury & Cashin, 1995a), the median reliabilities (intraclass correlations) for the 38 items are:

<table>
<thead>
<tr>
<th>Raters</th>
<th>Reliability</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>.69</td>
</tr>
<tr>
<td>15</td>
<td>.83</td>
</tr>
<tr>
<td>20</td>
<td>.83</td>
</tr>
<tr>
<td>30</td>
<td>.88</td>
</tr>
<tr>
<td>40</td>
<td>.91</td>
</tr>
</tbody>
</table>

Similar or higher reliabilities are typically found with other well-designed forms, i.e., forms developed with the assistance of someone knowledgeable about educational measurement. As a rule of thumb, I recommend that items with fewer than ten raters (reliabilities below .70), be interpreted with particular caution.

Stability is concerned with agreement between raters over time. In general, ratings of the same instructor tend to be similar over time (Braskamp & Ory, 1994; Centra, 1993). For example, a longitudinal study (Overall & Marsh, 1980) compared end-of-course ratings with ratings by the same students years later (at least one year after graduation). The average correlation was .83.

Validity

In educational measurement, the basic question concerning validity is: does the test measure what it is supposed to measure? For student ratings this translates into: to what extent do student rating items measure some aspect of teaching effectiveness? Unfortunately there is no agreed upon definition of

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Same Course</th>
<th>Different Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Same</td>
<td>.71</td>
<td>.52</td>
</tr>
<tr>
<td>Instructor</td>
<td>(.69)</td>
<td>(.34)</td>
</tr>
<tr>
<td>Different</td>
<td>.14</td>
<td>.06</td>
</tr>
<tr>
<td>Instructor</td>
<td>(.49)</td>
<td>(.21)</td>
</tr>
</tbody>
</table>

The instructor-related correlations were higher for the same instructor, even when teaching a different course. The correlations for the background items (in parentheses)—more tied to the course than the instructor—were higher for the same course. Marsh concluded that the instructor, not the course, is the primary determinant of the student rating items. Marsh's results are comparable to other generalizability studies (Gillmore, Kane, & Naccarato, 1978; and Hogan, 1973).

When making personnel decisions, we want to use the data to make judgments about the instructor's general teaching effectiveness. When considering student ratings (remembering that we need other kinds of information beyond student ratings), the following seem to be reasonable rules of thumb. If the instructor teaches only one course (e.g., part-time instructors), consistent ratings from two different terms may be sufficient. For most instructors, however, use ratings from a variety of courses, for two or more courses from every term for at least two years, totaling at least five courses. If there are fewer than fifteen raters in any of the classes, data from additional classes are recommended.
"effective teaching" nor any single, all-embracing criterion. The best that one can do is to try various approaches, collecting data that either support or contest the conclusion that student ratings reflect effective teaching.

Approach One—Student Learning

Theoretically, the best criterion of effective teaching is student learning. Other things being equal, the students of more effective teachers should learn more. A number of studies have attempted to study this hypothesis by comparing multiple-section courses. In the typical study, different instructors teach different sections of the same course, using the same syllabus and textbook, and most importantly using the same external final exam, i.e., an exam developed by someone other than the instructors. Cohen (1981) and Feldman (1989b) reviewed these studies. Using the students' grades on the external exam as the measure of student learning, they examined correlations between the exam grade and various student rating items. The average correlations are given below (1981—Cohen; 1989—Feldman):

<table>
<thead>
<tr>
<th>Student ratings of</th>
<th>1981</th>
<th>1989</th>
</tr>
</thead>
<tbody>
<tr>
<td>achievement or learning</td>
<td>.47</td>
<td>.46</td>
</tr>
<tr>
<td>overall course</td>
<td>.47</td>
<td>—</td>
</tr>
<tr>
<td>overall instructor</td>
<td>.44</td>
<td>—</td>
</tr>
<tr>
<td>teacher skill dimension</td>
<td>.50</td>
<td>—</td>
</tr>
<tr>
<td>—course preparation</td>
<td>—</td>
<td>.57</td>
</tr>
<tr>
<td>—clarity of objectives</td>
<td>—</td>
<td>.35</td>
</tr>
<tr>
<td>teacher structure dimension</td>
<td>.47</td>
<td>—</td>
</tr>
<tr>
<td>—understandability</td>
<td>—</td>
<td>.56</td>
</tr>
<tr>
<td>—knowledge of subject</td>
<td>—</td>
<td>.34</td>
</tr>
<tr>
<td>teacher rapport dimension</td>
<td>.31</td>
<td>—</td>
</tr>
<tr>
<td>—availability</td>
<td>—</td>
<td>.36</td>
</tr>
<tr>
<td>—respect for students</td>
<td>—</td>
<td>.23</td>
</tr>
<tr>
<td>teacher interaction dimension</td>
<td>.22</td>
<td>—</td>
</tr>
<tr>
<td>—encouraging discussion</td>
<td>—</td>
<td>.36</td>
</tr>
</tbody>
</table>

Note on Interpreting Validity Correlations: Earlier I suggested as a rule of thumb that reliability correlations of at least .70 (at least 10 raters) were desirable. However, in the social sciences validity correlations above .70 are unusual, especially if studying complex phenomena, such as student learning. As a rule of thumb, I suggest that student rating validity correlations between .00 and .29, even when statistically significant, are not practically useful. Correlations between .30 and .49 are practically useful. Correlations between .50 and .70 are very useful but are not common when studying complex phenomena.

Using the above rule of thumb, the average correlations reported by Cohen (1981) and Feldman (1989b) are generally useful. These relationships tend to support the validity of student ratings because the classes in which the students gave the instructor higher ratings tended to be the classes where the students learned more, i.e., scored higher on the external exam. On the other hand, the correlations are far from perfect, in part because many of the variables that relate to students' learning will be related to student characteristics (e.g., motivation or ability), not to instructor characteristics.

Approach Two—Instructor's Self Ratings

Researchers have sought for a criterion of effective teaching that would be acceptable to faculty. One possibility is the self ratings of the instructor. In a review of the literature, Feldman (1989a) cites 19 studies which correlated instructor's self ratings with student ratings. The average correlation was .29. However, in one study (Marsh, Overall, & Kesler, 1979) instructors were asked to rate two different courses in order to see if the course the instructor rated higher was also rated higher by the students. The median correlation—based on six factor scores between the instructor's self ratings and the students' ratings—was .49. In a later report (Marsh & Dunkin, 1992) using nine factor scores, the median was .45. Such studies provide further support for the validity of the students' ratings.

Approach Three—The Ratings of Others

If one is willing to grant that the ratings of administrators, colleagues, alumni, and others have some validity—and, excepting alumni, that these ratings are independent of feedback from students—then student ratings share that validity.

Administrator's Ratings—Student ratings correlate with administrator's ratings, ranging from .47 to .62 (Kulik & McKeachie, 1975), but Feldman (1989a), using global items, found a lower average correlation of .39.

Colleague's Ratings—Student ratings correlate with colleague's ratings, .48 to .69 (Kulik & McKeachie, 1975); Feldman (1989a) found an average of .55. Marsh and Dunkin (1992) question the usefulness of colleague's ratings based on classroom visitation because such ratings tend to be unreliable.

Some faculty question whether the students have an appropriate conception of what effective teaching is. In a review of 31 studies, Feldman (1988) found that the students' view of effective teaching was very similar to the faculty's view (average correlation equalled .71). There were some differences in emphasis between the two groups. Students tended to place more weight on the instructor being interesting, having good speaking skills, and being available to help; students also focused more on the outcomes of instruction, e.g., what they learned. Faculty placed relatively more weight on intellectual challenge, motivating students, setting high standards, and fostering student self-initiated learning.

Alumni Ratings—Student ratings correlate with alumni ratings, .40 to .75 (Overall & Marsh, 1980; Braskamp & Ory, 1994). Feldman (1989a) found an average correlation of .69. This belies the conventional wisdom that the students will come to appreciate our teaching after they get into the real world as working adults.
Trained Observers—A few studies have used external observers who were trained (see Feldman, 1989a, also Marsh & Dunkin, 1992). Reviewing five studies, Feldman found positive correlations with global student ratings (average correlation was .50). On a related issue, in another study (Murray, 1983) the median reliability for trained observers was .76. This suggests that peer ratings based on classroom observation would be reliable if the observers were trained.

Approach Four—Comparison with Student Comments
Some faculty question the value of student ratings but accept student written comments to open-ended questions. One study (Ory, Braskamp, & Pieper, 1980) of 14 classes found a correlation of .93 between a global instructor item and the student comments. A second study (Braskamp, Ory, & Pieper, 1981) of 60 classes found a correlation of .75. These studies suggest that, for personnel decisions, the information from student ratings overlaps considerably the information in student comments.

Approach Five—Possible Sources of Bias
One need not talk with faculty very long to be aware of their concern about possible biases in student ratings—about variables that correlate with student ratings. Some writers have suggested that bias be defined as anything not under the control of the instructor. Marsh (1984) argued against this definition because, for example, grading leniency—teachers giving higher grades than the students earned—would not be considered a bias using this definition. Smith suggests that bias in student ratings should be restricted to variables NOT related to teaching effectiveness. By this definition, the correlations between student ratings and class size, or the students' interest in the course are not biases because it is probable that students in small classes, or classes of students who are interested in the subject matter actually do learn more.

In IDEA Paper No. 20 (Cashin, 1988), I suggested an even narrower definition when using ratings for personnel decisions or the instructor's improvement. I suggested restricting bias to variables not a function of the instructor's teaching effectiveness. Thus, student motivation or class size might impact teaching effectiveness, but instructors should not be faulted if they were less effective teaching large classes of unmotivated students than their colleagues who were teaching small classes of motivated students. In this case, student motivation and class size, although related to teaching effectiveness, were not a function of the instructor's characteristics, but of student and course characteristics. Thus, they should be considered sources of bias, and should be controlled for by using appropriate comparative data. Feldman (1995, April) observed—accurately in my judgment—that such a definition of bias, while possibly acceptable, was not the usual definition and it served to confuse the literature. Marsh and Dunkin (1992)—considering that prior student interest in the subject matter is not a bias because it does impact teaching and learning—raise the question of "fairness" in comparing instructors teaching classes of interested students versus instructors teaching classes of uninterested students.

In the interest of clarity, rather than using "bias" in the restricted sense I did in the original paper, I will identify variables (when correlated with student ratings) that require control, especially when making personnel decisions.

Variables Not Requiring Control
Despite widespread faculty concern, the research has uncovered relatively few variables that correlate with student ratings but are not related to instructional effectiveness. Generally the following variables tend to show little or no relationship to student ratings:

A. Instructor variables not related to student ratings:
1) age, and teaching experience—in general age, and also years of teaching experience, are not correlated with student ratings. However, where small differences have been found, they tend to be negative, i.e., older faculty receive lower ratings (Feldman, 1983). Marsh and Hocevar (1991) point out that most of the studies have been cross-sectional, studying different cohorts of faculty to represent different age groups. In a longitudinal study they analyzed student ratings of the same instructors for as long as 13 years. They found no systematic changes over the years.
2) gender of the instructor—in a review of 14 laboratory or experimental studies, e.g., where student rated descriptions of fictitious teachers, Feldman (1992) found no differences in global ratings in the majority of studies, but in a few studies the male teachers received higher ratings. In a second review of 28 studies of actual ratings of real teachers reporting global ratings, he (Feldman, 1993) found a very slight average difference in favor of women teachers ($r = .02$). However, a few studies raised the question of whether women faculty had to do more of what was being rated (e.g., being available to students) to obtain the same ratings as men. In a few other studies there was a gender of student/gender of instructor interaction, i.e., female students rated female teachers higher, and male students rated male instructors higher.
3) race—Centra (1993) points out that there have been hardly any studies of the race of the instructor. He speculates that students of the same race as the instructor might rate the instructor higher. In a doctoral dissertation using IDEA, Li (1993) found no difference in the global ratings of Asian students compared to American students of their (presumably Caucasian) instructors.
4) personality—few personality traits tend to correlate with student ratings (Braskamp & Ory, 1994; Centra, 1993). In studies measuring personality using instructor's self report (e.g., personality inventories, self-description questionnaires), Feldman (1988) found only two (out of fourteen) traits that had average correlation with a global item that approached practical significant correlations. These traits were positive self esteem ($r = .30$), and energy and enthusiasm ($r = ...
Note, I suggest that these two traits enhance the instructor’s teaching effectiveness and so should not be controlled. Murray, Rushton, and Paunonen (1990) found significantly different patterns of personality traits of psychology instructors teaching six different types of courses, e.g., introductory, graduate. They concluded that instructors tend to be differentially suited to different types of courses.

4) expressiveness—the Dr. Fox effect (Naftulin, Ware, & Donnelly, 1973)—where a professional actor delivering little content received high ratings—suggests that student ratings may be more influenced by an instructor’s style of presentation than by the substance of the content. The literature is complex (see Abrami, Leventhal, & Perry, 1982), but Marsh and Ware (1982) suggest that, especially in studies involving an incentive and a test, manipulations of instructor expressiveness primarily influence items related to instructor enthusiasm, and manipulation of content coverage primarily influences items related to instructor knowledge and student exam performance. Nevertheless, making the class interesting as well as informative helps students learn content. Expressiveness tends to enhance learning and does NOT require control.

B. Student variables related to student ratings:

1) student motivation—Instructors are more likely to receive higher ratings in classes where students had a prior interest in the subject matter (Marsh & Dunkin, 1992), or where the course was an elective (Aleamoni, 1981; Braskamp & Ory, 1994; Centra, 1993; Feldman, 1978). The average correlation of the IDEA (Sixbury & Cashin, 1995a) motivation item, “I had a strong desire to take this course,” with the other 37 items is .40. Marsh and Dunkin (1992) conclude that reason for taking the course (which overlaps with student motivation), also is related to student ratings. Higher ratings were received from students who took a course for general interest, or as a major elective; lower ratings were received when the course is being taken as a major requirement or a general education requirement. This variable requires control.

2) expected grades—There tend to be positive, but low correlations (.10 to .30) between students’ ratings and expected grades (Braskamp & Ory, 1994; Feldman, 1976a; Howard & Maxwell, 1980 and 1982; Marsh & Dunkin, 1992). Three possible hypotheses have been proposed for these correlations. One is the validity hypothesis—the students who learned more earn higher grades and give higher ratings (therefore, student ratings are valid). Another explanation is grading leniency—Instructors giving higher grades than the students deserve receive higher ratings than they deserve. A third is based on student characteristics—Some student characteristics, e.g., high motivation, lead to greater learning and, therefore, to higher grades and higher ratings. In two studies by Howard and Maxwell (1980 & 1982), which used IDEA data, they concluded that most of the correlation between expected grade and a global instructor item was accounted for by student (self-reported) learning—the validity hypothesis—and desire to take the course—a student characteristic. To control for the possibility of grade leniency, my recommendation is to have peers (facultly knowledgeable in the subject matter) review the course material, particularly exams, computer-scored test results, graded samples of essays, projects, etc.; and judge whether grades are inflated.

B. Course variables related to student ratings:

1) level of the course—Higher level courses, especially graduate courses, tend to receive higher ratings (Aleamoni, 1981; Braskamp & Ory, 1994; Feldman, 1978). However, the differences tend to be small. Regarding possible control, check to see if your course is being taken as a major requirement or a general education requirement. This variable requires control.

Variables Possibly Requiring Control

The research cited above suggests that many variables suspected of biasing student ratings are not correlated with them to any practically significant degree. For the following variables, however, the research suggests that there are correlations—relationships—with student ratings that may require control.

A. Instructor variables related to student ratings:

1) faculty rank—Regular faculty tend to receive higher ratings than graduate teaching assistants (Braskamp & Ory, 1994). This variable does NOT require control because regular faculty as a group tend to be more effective teachers than GTAs as a group.

2) expressiveness—the Dr. Fox effect (Naftulin, Ware, & Donnelly, 1973)—where a professional actor delivering little content received high ratings—suggests that student ratings may be more influenced by an instructor’s style of presentation than by the substance...
freshman/sophomore classes receive lower ratings than your junior/senior classes; similarly compare undergraduate with graduate classes. If yes, do the differences remain after controlling for student motivation and size? If yes, develop comparative data for the appropriate levels.

2) academic field—Feldman (1978) reviewed some studies showing that humanities and arts type courses receive higher ratings than social science type courses, which in turn receive higher ratings than math-science type courses. Others (Braskamp & Ory, 1994; Cashin, 1990; Centra, 1993; Marsh & Dunkin, 1992; and Sixbury & Cashin, 1995b) have found similar results. Although there is increasing evidence that ratings for different fields differ, it is not clear why.

Cashin (1990) suggests six possible explanations. For example, if some fields are rated lower because they are more poorly taught, then these differences do not require control. On the other hand, if instructors in fields requiring more quantitative reasoning skills are rated lower because today’s students are less competent in such skills—one of the hypotheses explaining why some fields are rated lower—then this should be controlled for.

3) workload/difficulty—these are correlated with student ratings (Centra, 1993; Marsh & Dunkin, 1992). However, contrary to faculty belief, they are correlated positively, i.e., students give higher ratings in difficult courses where they have to work hard. Although positive, the correlations are not large. For example, using the 38 IDEA items (Sixbury & Cashin, 1995a) the average correlations with the remaining 37 IDEA items are:

- Amount of reading = .11
- Amount of other (non reading) assignments = .16
- Difficulty of subject matter = .15
- Worked harder in this course = .29

These modest results support the validity of student ratings and the variables do NOT require control.

D. Administrative variables related to student ratings:

1) non-anonymous ratings—signed ratings tend to be higher (Braskamp & Ory, 1994; Centra, 1993; Feldman, 1979; Marsh & Dunkin, 1992). The hypothesis is that requiring students to sign their names inflates the ratings because some students are concerned about possible reprisals. Control: instruct the students not to sign their ratings.

2) Instructor present while students complete ratings—these tend to be higher (Braskamp & Ory, 1994; Centra, 1993; Feldman, 1979; Marsh & Dunkin, 1992), possibly for the same reason as non-anonymous ratings. Control: have the instructor leave the room while the ratings are being completed and collected.

3) purpose of the ratings—some studies have found that if the directions say the ratings will be used for personnel decisions, the ratings tend to be higher than if they will be used only by the instructor for improvement (Braskamp & Ory, 1994; Centra, 1993; Feldman, 1979; Marsh & Dunkin, 1992). Speculation is that the students tend to be lenient if the data will be used by someone other than the instructor. Control: include in the standard directions the purpose(s) for which the ratings will be used. This will not eliminate the bias, but it will eliminate variations in ratings due to differences in student beliefs about their purpose.

Usefulness of Student Ratings

Many faculty will grant the usefulness of student ratings for personnel decisions, but question their usefulness for improvement, preferring to rely on students’ open-ended comments. Cohen (1980) performed a meta-analysis of 17 studies of the effect of student-rating feedback on improving teaching. Receiving feedback about student ratings administered during the first half of the term was positively related to improving college teaching as measured by student ratings administered at the end of the term. Typically there were three groups. All groups had ratings administered during the first half of the semester and again at the end. That is all the first group received, i.e., no feedback. The second group received the student rating feedback, quantitative data, from the first student ratings. In addition to that, the third group received some kind of consultation (which varied across the different studies). Using the end-of-term ratings as the measure of improvement and setting the first group’s mean ratings at the 50th percentile, Cohen presented the following data:

<table>
<thead>
<tr>
<th>Data Type</th>
<th>Percentile</th>
</tr>
</thead>
<tbody>
<tr>
<td>No student rating feedback</td>
<td>50th %ile</td>
</tr>
<tr>
<td>Only student rating feedback</td>
<td>58th %ile</td>
</tr>
<tr>
<td>Student rating feedback plus consultation</td>
<td>74th %ile</td>
</tr>
</tbody>
</table>

Conclusion, if an institution really intends to use student ratings to improve teaching, it needs to provide some kind of consultation to the instructors.

Conclusion

There are probably more studies of student ratings than all of the other data used to evaluate college teaching combined. Although one can find individual studies that support almost any conclusion, for a number of variables there are enough studies to discern trends. In general, student ratings tend to be statistically reliable, valid, and relatively free from bias or the need for control; probably more so than any other data used for evaluation. Nevertheless, student ratings are only one source of data about teaching and must be used in combination with multiple sources of data if one wishes to make a judgment about all of the components of college teaching. Further, student ratings are data that must be interpreted. We should not confuse a source of data with the evaluators who use student rating data—in combination with other kinds of data—to make their judgments about an instructor’s teaching effectiveness.


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Center for Faculty Evaluation and Development
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Manhattan, KS 66502–4073
This paper has summarized the general conclusions from the research on student ratings. Whether those conclusions hold true for any given campus is an empirical question. If an institution has reason to believe that they do not apply, it should gather local data to answer the question. However, in the absence of evidence to the contrary, I suggest that the general conclusions serve as a guide.
Title: Student Ratings of Teaching: The Research Revisited, IDEA Paper No. 32

Author(s): William E. Cashin

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