An Interpretation Guide for the

Student Opinion of Teaching Effectiveness Surveys (SOTES)

Prepared by:

The SJSU Student Evaluation Review Board (SERB)

The information presented here includes a description of the SOTE instrument, and overview of the statistics included in the SOTE report, and a brief review of factors that influence SOTE ratings. Note that the language of an interpretation guide is not policy but primarily factual information (F04-1).
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SOTE Interpretation Quick Guide

Background and Administration
- The Student Evaluation of Teaching Effectiveness (SOTE) instrument was created to assess student perceptions of teaching effectiveness (the current version was revised in Fall 2017).
- The survey begins with a brief introduction and overview, followed by 13 closed-ended items, 4 informational items, and 3 open-ended questions.
- SOTE surveys are administered by the SJSU Office of Institutional Effectiveness and Analytics (IEA) through CourseEval (online software integrated with Canvas).

Results, Reporting, and Interpretation
- Results are provided to individual instructors and department chairs. Results are also included in annual and cumulative evaluations for lecturers as well as faculty evaluations for retention, tenure, and promotion (RTP).
- Reports include means, medians, standard deviations, and percentile rankings for the instructor as well as norms for instructor’s department, college, and the university as a whole.
- Ratings should be considered atypical or extraordinary only when they fall outside the reported norms (20-80\textsuperscript{th} percentile range). Interpretation should take into account class size, response rate, and trends across classes and semesters.
- Evaluations of student responses to open-ended questions should consider the totality of comments (rather than focusing on individual comments).
- While responses to Question 13 are often used as an index of overall effectiveness, evaluations of teaching effectiveness should be based on results for all questions.
- Several factors are known to systematically influence student evaluations, including academic discipline, course level, class size, student grades, and instructor characteristics (e.g., gender, race and ethnicity, and language background).
- SERB recommends that RTP committees use SOTE ratings as just one metric by which to evaluate instructor effectiveness.

Relevant Policy
- Instructors may request the removal of student remarks that are completely unrelated to teaching (e.g., comments that are bigoted, hateful, evaluate personal appearance, or otherwise violate campus policies).
- Faculty may occasionally exclude the results of up to one course per academic year from their periodic evaluations (provided they teach at least fifteen units during that Academic Year).
- Instructors and department chairs may request a report of responses to questions asking about ‘undue influence’ from the IEA Office. Typically, such requests occur when students make independent allegations of improprieties and an investigation is conducted.

Questions? For an up-to-date listing of Student Evaluation Review Board members (which includes one representative per college), visit www.sjsu.edu/senate/comm_info/committees/.
History and Policy

The Student Evaluation Review Board is an Operating Committee of the Academic Senate that reports to the Professional Standards Committee. The board includes one faculty member from each of the seven colleges on campus as well as one student representative (at-large). The directors of the Office of Institutional Analytics and the Center for Faculty Development serve as ex officio members on the committee.

The committee is charged with designing evaluation instruments to be used by all departments and colleges; developing guidelines for the participation of students in the evaluation of faculty; and reviewing proposals for matters concerned with rating instruments, norm grouping or any other variance to established policy.

In addition, SERB is charged with constructing and establishing norms for the rating instruments such that an instructor’s ratings can be compared with average ratings of colleagues teaching similar courses across the university. This Interpretation Guide was created to provide information and guidelines for the effective interpretation of the rating instruments, thereby making it possible to form a better judgment about an instructor’s teaching effectiveness.

The following overview highlights some key policies related to SOTE administration and interpretation. For a complete index SOTE policies, visit www.sjsu.edu/senate/policies/pol_sote/.

F12-6: When evaluating effectiveness in teaching, chairs, committees, and administrators are required to conduct a holistic evaluation. This means that teaching must be considered in context and must be evaluated using multiple sources of information [including context, purpose, and course objectives; implementation of the course; and direct observation by peers].

F12-6: Since student opinion surveys measure student satisfaction rather than student learning, they cannot be considered perfect indicators of teaching quality…. To guard against the limitations of the instrument, all those using SOTES as part of the SJSU evaluation process must consult the official interpretation guide… Information from SOTES is but one source of information for assessing teaching effectiveness.

F12-6: SOTES shall be administered in all classes [except those officially excluded for technical or ethical reasons] and the results placed in the faculty personnel file. Faculty, however, under some circumstances may exclude the results of an occasional course from their periodic evaluations. Faculty may choose to exclude the survey results from one course per Academic Year from their periodic evaluation, provided that they teach at least fifteen units of courses during that Academic Year.

F12-6: Any SOTE with a response rate of less than 50% or with fewer than 10 responses will be flagged as potentially unreliable and interpreted with caution.

F12-6: Faculty may request the removal of remarks in the qualitative surveys that are completely unrelated to teaching, such as comments that are bigoted, hateful, comment on personal appearance, or otherwise violate campus policies. Such remarks will be removed after verification of their content by the Department Chair.

F12-6: Results shall be reported as the means, standard deviations, and medians for each item by class. The mean for each class will be compared against the mean and norms for the particular College and University when appropriate. The frequencies of responses (e.g., the number of “5”s and “4”s and “3”s etc.) for each question will also be reported.

F12-6: Norms (an indicator of the middle range of scores) shall be provided to assist in the interpretation of quantitative SOTES.
F12-6: SOTES shall be collected by electronic means. The AVP for IEA shall arrange for all students to receive regular electronic reminders to complete their SOTES, and these reminders will inform students how to connect to and complete the survey instrument…. Statements that clearly explain to students the seriousness to which SJSU takes the results of the survey… should be provided both in the electronic reminders and at the beginning of the survey instrument.

F12-6: SOTES shall not be [administered] earlier than the final 10 days for class nor later than the normal time when the student’s final grade is released. A minimum of 10 calendar days will be provided to respond. No SOTE results… may be released to faculty until after grades for the class are officially submitted. No students will be allowed to submit SOTES after they have seen their official grade for a course.

S17-2: The revised versions of the SOTE and SOLATE questionnaires were approved and deemed effective for the administration as soon as possible.

The SOTE Survey

The most recent version of the SOTE instrument was administered for the first time in Fall 2017. See below for a comparison across the old and new instruments. Note that both versions begin with a brief introduction and overview, followed by thirteen (13) closed-ended items that assess students' perceptions on teaching effectiveness and their learning experiences. These are followed by four (4) informational items and three (3) open-ended questions. Items and instructions that were revised in Fall 2017 are in bold font.

Instructions

This instrument is designed to be a professional evaluation of your instructor's teaching performance. It is NOT designed to measure your reaction to the subject, the facilities (such as the physical conditions of the classroom), or your instructor's physical appearance. Your individual ratings will be anonymous and a summary of items 1-18 will be available to your instructor after grades are turned in. This summary may enhance your instructor's teaching. It will also be used in the evaluation of your instructor for personnel matters such as retention, tenure and promotion. If the question does not apply to your course, please select “not applicable/no opportunity to observe”.
### Closed-Ended Questions

<table>
<thead>
<tr>
<th>Topic</th>
<th>Item</th>
<th>Old (Fall 2003 – Spring 2017)</th>
<th>New (Fall 2017 – present)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relevance</td>
<td>Q1</td>
<td>Demonstrated relevance of the course content.</td>
<td>[no change]</td>
</tr>
<tr>
<td>Learning Environment</td>
<td>Q2</td>
<td>Used assignments that enhanced learning.</td>
<td>[no change]</td>
</tr>
<tr>
<td>Helping Students Think</td>
<td>Q3</td>
<td>Summarized/emphasized important points.</td>
<td>[no change]</td>
</tr>
<tr>
<td>Learning Environment</td>
<td>Q4</td>
<td>Was responsive to questions and comments from students.</td>
<td>[no change]</td>
</tr>
<tr>
<td>Learning Environment</td>
<td>Q5</td>
<td>Established an atmosphere that facilitated learning.</td>
<td>[no change]</td>
</tr>
<tr>
<td>Responsiveness to Students</td>
<td>Q6</td>
<td>Was approachable for assistance.</td>
<td>[no change]</td>
</tr>
<tr>
<td>Responsiveness to Students</td>
<td>Q7</td>
<td>Was responsive to the diversity of students in class.</td>
<td>Was respectful of the diversity of students in class.</td>
</tr>
<tr>
<td>Learning Environment</td>
<td>Q8</td>
<td>Showed strong interest in teaching this class.</td>
<td>[no change]</td>
</tr>
<tr>
<td>Helping Students Think</td>
<td>Q9</td>
<td>Used intellectually challenging teaching methods,</td>
<td>Used teaching methods that helped students learn important concepts.</td>
</tr>
<tr>
<td>Grading and Feedback</td>
<td>Q10</td>
<td>Used fair grading methods.</td>
<td>Used grading criteria that were clear.</td>
</tr>
<tr>
<td>Helping Students Think</td>
<td>Q11</td>
<td>Helped students analyze complex/abstract ideas.</td>
<td>[no change]</td>
</tr>
<tr>
<td>Grading and Feedback</td>
<td>Q12</td>
<td>Provided meaningful feedback about student work.</td>
<td>[no change]</td>
</tr>
<tr>
<td>Overall Effectiveness</td>
<td>Q13</td>
<td>Overall, this instructors teaching was: (5, very effective; 4, effective; 3, somewhat effective; 2, ineffective; 1, very ineffective)</td>
<td>Overall, this instructor’s teaching was effective.</td>
</tr>
</tbody>
</table>

**Notes:** Items and instructions that were revised in Fall 2017 are in **bold font**. Response options for Questions 1-12 on the old instrument (Fall 2003 - Spring 2017) used the following scale: 5, Very Strongly Agree; 4, Strongly Agree; 3, Agree; 2, Disagree; 1, Strongly Disagree; NA, Not Applicable/No Opportunity to Observe. The new instrument (Fall 2017 - present) adopts a slightly modified scale (for all questions): 5, Strongly Agree; 4, Agree; 3, Neutral; 2, Disagree; 1, Strongly Disagree; NA, Not Applicable/No Opportunity to Observe.
**Informational Questions**

<table>
<thead>
<tr>
<th>Item</th>
<th>Old (Fall 2003 – Spring 2017)</th>
<th>New (Fall 2017 – present)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q14</td>
<td>What is your current estimate of your expected overall grade in this course? (A; B; C; D or F; Other)</td>
<td>[no change]</td>
</tr>
<tr>
<td>Q15</td>
<td>You are a: (Freshman; Sophomore; Junior; Senior; Graduate Student; Credential Student; Other)</td>
<td>[no change]</td>
</tr>
<tr>
<td>Q16</td>
<td>Did you complete this form without undue influence from other students? (Yes; No)</td>
<td>[no change]</td>
</tr>
<tr>
<td>Q17</td>
<td>Did you complete this form without undue influence from the instructor? (Yes; No)</td>
<td>[no change]</td>
</tr>
</tbody>
</table>

**Open-Ended Questions**

<table>
<thead>
<tr>
<th>Item</th>
<th>Old (Fall 2003 – Spring 2017)</th>
<th>New (Fall 2017 – present)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q18</td>
<td>Discuss the strengths of this instructor’s teaching.</td>
<td>What do you think are the strengths of this instructor’s teaching?</td>
</tr>
<tr>
<td>Q19</td>
<td>Discuss the weaknesses and/or areas in need of improvement of this instructor’s teaching.</td>
<td>What suggestions, if any, do you have to further improve the instructor’s teaching?</td>
</tr>
<tr>
<td>Q20</td>
<td>Please provide any other comments you feel would be helpful to the instructor regarding his/her teaching performance/ability.</td>
<td>If you like, please use this space to elaborate on your responses.</td>
</tr>
</tbody>
</table>
Interpretation of the SOTE Ratings

SOTE Reporting

To aid in interpretation, official SOTE reports provide data (means, standard deviations, and medians) for the instructor’s department, college, and the university as a whole.

**Mean:** This is the arithmetic average of student responses. Note, however, that most student rating distributions are skewed (that is, the ratings bunch up toward one end, typically the right end), in which case the mean does not represent the typical or most frequently occurring rating.

**Standard Deviation:** This statistic measures the variability among the responses (i.e., how much, on the average, student responses vary from the mean). Like the mean, the standard deviation is an inappropriate measure of variability when the distribution is skewed.

**Median:** This is the middle ranking. A median of 3.5 indicates that half the students gave ratings higher and half lower than 3.5. The median is helpful in cases where outliers might influence the mean and standard deviation (e.g. cases in which a few extremely high or extremely low ratings push the mean score in a direction that is not representative of the class as a whole). This is particularly likely in smaller classes or classes with large numbers of blank or “not applicable” ratings.

**Norms:** Norms reported via the CoursEval system are updated each semester. In addition to the statistics mentioned above, reports to faculty include the exact percentile of the faculty’s mean score relative to department and university norms (college norms are also reported as supplemental material)¹. These percentiles can be used to compare an instructor’s ratings with the average ratings of colleagues. Consistent with previous interpretation guidelines, **percentile rankings within the 20-80 range should not be interpreted as anything other than typical. Only those ratings that fall outside this range (below 20 or above 80) should be interpreted as atypical or extraordinary. Further, the interpretation of these results should be done using trends across classes and semesters.** If the mean response to any particular question is **consistently** below (or above) the norm then the item should be noted as important.

**Open-Ended Responses:** Students’ written comments provide additional information on teaching effectiveness. In interpreting these responses, members of RTP committees should take into account the majority of comments, rather than focusing on individual responses. However, if comments are repeatedly observed for the same instructor, then RTP committees should consider further evaluations for that instructor.

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¹ The old reporting format (Fall 2003 – Spring 2017) indicated the middle 60% of ratings received by instructors for each college, and for the university as a whole, as a line of dashes. The instructor’s mean for this course was indicated by an asterisk on the same line.
Overview of Reliability and Validity

The norms and statistics reported in this Interpretation Guide were calculated from SOTE survey results from Fall 2016 and Spring 2017. All courses across all colleges were included in this analysis, resulting in a total of 139,303 student responses (Fall ‘16 = 79,983 responses; Spring ’17 = 59,320 responses).

Cronbach’s alpha (α) is 0.97 across all 13 questions, indicating a very strong level of internal consistency across questions. We also note that Question 13 is strongly correlated with all of the other items. While Question 13 is often used as an index of overall effectiveness, we recommend that evaluations of teaching effectiveness consider all 13 items.

<table>
<thead>
<tr>
<th></th>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5</th>
<th>Q6</th>
<th>Q7</th>
<th>Q8</th>
<th>Q9</th>
<th>Q10</th>
<th>Q11</th>
<th>Q12</th>
<th>Q13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1</td>
<td>1</td>
<td>.783</td>
<td>.799</td>
<td>.728</td>
<td>.764</td>
<td>.695</td>
<td>.719</td>
<td>.745</td>
<td>.719</td>
<td>.687</td>
<td>.757</td>
<td>.690</td>
<td>.767</td>
</tr>
<tr>
<td>Q2</td>
<td>1</td>
<td>.804</td>
<td>.712</td>
<td>.770</td>
<td>.693</td>
<td>.692</td>
<td>.753</td>
<td>.710</td>
<td>.774</td>
<td>.734</td>
<td>.734</td>
<td>.734</td>
<td>.787</td>
</tr>
<tr>
<td>Q3</td>
<td>1</td>
<td>.768</td>
<td>.803</td>
<td>.725</td>
<td>.728</td>
<td>.738</td>
<td>.747</td>
<td>.722</td>
<td>.809</td>
<td>.742</td>
<td>.742</td>
<td>.809</td>
<td></td>
</tr>
<tr>
<td>Q4</td>
<td>1</td>
<td>.813</td>
<td>.827</td>
<td>.777</td>
<td>.751</td>
<td>.689</td>
<td>.709</td>
<td>.770</td>
<td>.736</td>
<td>.763</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Q5</td>
<td>1</td>
<td>.796</td>
<td>.781</td>
<td>.772</td>
<td>.762</td>
<td>.728</td>
<td>.814</td>
<td>.761</td>
<td>.822</td>
<td></td>
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<tr>
<td>Q6</td>
<td>1</td>
<td>.800</td>
<td>.745</td>
<td>.679</td>
<td>.717</td>
<td>.759</td>
<td>.745</td>
<td>.750</td>
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<tr>
<td>Q7</td>
<td>1</td>
<td>.774</td>
<td>.695</td>
<td>.708</td>
<td>.754</td>
<td>.711</td>
<td>.727</td>
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<td>Q8</td>
<td>1</td>
<td>.727</td>
<td>.684</td>
<td>.753</td>
<td>.702</td>
<td>.752</td>
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<td>Q9</td>
<td>1</td>
<td>.686</td>
<td>.794</td>
<td>.734</td>
<td>.763</td>
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<tr>
<td>Q10</td>
<td>1</td>
<td>.779</td>
<td>.748</td>
<td>.757</td>
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<tr>
<td>Q11</td>
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<td>.816</td>
<td>.834</td>
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<td></td>
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<td>1</td>
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<td>Q13</td>
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</table>

The Pearson product moment correlation measures the strength of linear dependence between two variables, and varies between -1 and 1. As a rule of thumb, correlations between .00 and .50 are considered weak; correlations between .50 and .70 are moderate, and correlations over .70 are relatively strong. The correlations presented in the table above are all statistically significant at the p<.01 level.

In Fall 2016, 4.1% of students (n=5618) responded ‘no’ to Question 16 (“Did you complete this form without undue influence from other students?”) and 4.1% of students (n=5586) responded ‘no’ to Question 17 (“Did you complete this form without undue influence from the instructor?”). Of these students, most (n=5260) responded ‘no’ to both questions indicating that they may have misunderstood the question.

We also note that several factors are known to systematically influence SOTE ratings. This is demonstrated below using Fall 2016-Spring 2017 data with references to similar findings from research conducted elsewhere. These factors should be considered in any RTP evaluation of SOTE data and we encourage faculty members to include additional information and explanation in their dossiers as necessary.
Course Characteristics

**College and Content**

There appear to be some differences in average ratings of overall teaching effectiveness (Q13) across colleges at San Jose State.

![Error Bars = +/- 1 SD](image)

There are also differences in average ratings between departments within colleges. It is therefore important that RTP committees evaluating candidates from different departments and colleges (College and University level RTP committees) compare instructors to colleagues within their own departments and colleges in addition to the overall university.

Research on student evaluations at other universities has also shown that ratings are often lower when students are required to take a class as compared to when they are taking the class as an elective (Arreola, 2000). Similarly, students often offer higher ratings to courses outside their area of study than to courses within their major (Theall & Franklin, 2001). Note, however, Beran et al. (2009) argue that these effects may be mediated by varying levels of student engagement.
Course Level

There appears to be slight differences in the average ratings of overall teaching effectiveness (Q13) across student level (i.e., frosh, junior, graduate, etc.) as well as level of instruction (e.g., upper- vs. lower-division courses).

Research on student evaluations at other universities shows that ratings in graduate and credential classes tend to be higher than in undergraduate classes (see also Arreola, 2000; Marsh & Hocevar, 1991). However, ratings across lower and upper division courses tend to be relatively similar (Arreola, 2000).
**Class Size**

Class size also seems to influence average ratings of overall teaching effectiveness (Q13). Note that class size should not be confused with the number of survey respondents or average daily attendance. Here, we consider class enrollment. 

![Chart showing mean response to Question 13 for different class sizes](chart.png)

Previous research has also reported a relationship between class size and student evaluations, with small or moderate sized classes (<30) rated more favorably than larger classes (Johnson et al., 2013; Mateo & Fernandez, 1996). Furthermore, Chapman and Ludlow (2010) found that increased class size (beyond 30 students) has a negative effect on “perceived student learning,” a composite measure based on student self-evaluations of their own learning.
Official and Expected Grades

Possibly the most notable impact on student ratings is their anticipated and official grade in the course. In fact, it is well established that student ratings are positively associated with both expected and actual course grades (e.g., Kulik, 2001). Greenwald & Gillmore (1997) further concluded that grading leniency exerts an important influence on ratings. However, another possible explanation for this result is that strong instructors teach courses in which students both learn a lot (therefore, they earn and deserve high grades) and give appropriately high ratings to the course and the instructor.

Nevertheless, when interpreting SOTE ratings, we encourage RTP committees to note the distribution of expected grades. Classes in which the majority of students expect either low or high grades should be fairly rare (exceptions to this would be graduate and credential classes in which a grade lower than a “B” is often considered equivalent to a failing grade). In addition, expected grades for a class should show some relationship to actual grades. In cases where there is a wide discrepancy (e.g. 80% of the class expects a grade of “A” while the actual average grade for the class is a “C”) RTP committees may request further information from the instructor.
**Administration**

Several studies have failed to detect a significant difference in ratings between online evaluations and paper evaluations (Donovan et al., 2006; Hardy, 2003; Heath et al., 2007; Laubsch, 2006; Spooner et al., 1999). At SJSU, a study by Sujitparapitaya and Briggs (2010) indicated that there was no significant difference for a majority of the responses between online evaluations and paper evaluations (similar to findings from a study conducted at Brigham Young University, Sorenson & Johnson, 2006). While some studies have found that specific questions may be answered more favorably in online evaluations (Liu, 2006; see also Avery et al., 2006; Cao et al., 2007), others have reported that paper evaluations produced higher scores for individual questions and total scores (Chang, 2003).

Importantly, the overall response rate at SJSU has remained the same, if not improved, since the university moved to online implementation in 2013 (70% in Fall 2016; 66% in Spring 2017). We also note that there is no evidence for a significant difference in student responses to Question 13 across the Fall and Spring semesters ($M_{\text{fall}} = 4.20$, $SD_{\text{fall}} = .97$; $M_{\text{spring}} = 4.23$, $SD_{\text{spring}} = .97$).
Instructor Characteristics

Whereas analyses of SOTES responses in relation to various instructor characteristics is not reported here, the factors discussed below have been identified in existing literature as possible threats to the validity of student evaluations. Note that this is not intended to be a comprehensive review of such factors, but a brief review is presented here as a point of consideration.

**Gender**

In recent research, Mitchell and Martin (2018) analyzed student evaluations of two identical online courses – one was assigned a female instructor and the other a male instructor. They found that the male instructor was rated more favorably than the female instructor on all items in the student evaluations, even those that the instructor has no control over, such as the university registration procedure (see also Arbuckle & Williams, 2003; MacNell et al., 2014).

Gender role beliefs are another important factor. Students expect male instructors to be more authoritative and expect female instructors to be more nurturing, with stronger interpersonal skills (Anderson & Miller 1997; see also Mitchell & Martin, 2018). Students reward instructors who follow these gender roles (Andersen & Miller, 1997) and are more critical of those that do not (Basow et al., 2006; Chamberlin & Hickey, 2001; Dalmia et al., 2005; MacNell et al., 2014; Sprague & Massoni, 2005). For instance, Basow and Montgomery (2005) found that female professors received higher ratings than male professors on interpersonal questions and on items about faculty-student interactions (see also Bachen et al., 1999; Basow & Montgomery, 2005; Centra & Gaubatz, 2000).

Many have also found significant differences in evaluations of female and male instructors depending on the gender of the student. For example, male students often rate male instructors higher than female instructors, whereas female students rate female instructors higher than male instructors (Basow 1995; Centra & Gaubatz, 2000). Kohn and Hatfield (2006), however, found that female students rated male faculty even higher than their male classmates.

Additional research shows other differences potentially connected to gender bias. Sinclair and Kunda (2000), for example, found that low grades negatively affect ratings that students give to female instructors, but not male instructors. Martin (2016) found an interaction between faculty gender and class size with female faculty members receiving lower evaluations in larger courses than male faculty.

**Race and Ethnicity**

Research on the effect of race and ethnicity on student evaluations is limited. Nevertheless, there is some clear evidence that African American and Hispanic faculty members receive lower evaluations than white and Asian faculty members (e.g., Basow, Codos, & Martin, 2013). Similar lines of research have found that African American faculty members are rated lower than Caucasian faculty members on broad evaluations of teaching effectiveness (Smith, 2007; Smith & Hawkins, 2011; Smith & Johnson-Bailey, 2011).

**Language Background**

Instructor's level of English language proficiency has also been found to affect student ratings (Bosshardt & Watts, 2001; Finegan & Siegfried, 2000; Ogier 2005). While Saunders (2001) did not find differences in evaluations of instructors whose native language is English compared to those for whom English is a second language, Gill (1994) found that students view teachers with “standard North American accents” more favorably.
**Rank and Tenure**

Findings on the impact of student evaluations according to the faculty members’ status, rank, and tenure are mixed. While some have found that non-tenured faculty receive lower ratings than tenured faculty (e.g., McPherson & Todd Jewell, 2007), others have found that adjunct and temporary faculty tend to receive higher ratings than tenure-track faculty (Figlio, Schapiro & Soter, 2015; McPherson et al., 2009). There does not appear to be a consistent or systematic difference among the ratings of full professors compared with associate professors or of junior versus senior lecturers (Spooren, 2010; Ting, 2000).

**Faculty and Student Perceptions**

Research has shown that student evaluations are influenced by whether students perceive the evaluation process as making a difference. Chen and Hoshower (2003) found that students are motivated to participate in student evaluations “by the expectation that they will be able to provide meaningful feedback” (p. 71). Furthermore, Worthington (2002) found that “students who perceive the evaluation process as a process for improving teaching in the future…have a higher probability of giving a more favourable ranking” (p.61).

Other research shows that students may not believe that the opinions they express on their evaluations are taken seriously by faculty or administrators (Spencer & Schmelkin, 2002). Richardson’s (2005) comprehensive review of literature on student evaluations concluded that “[m]any students and teachers believe that student feedback is useful and informative, but for a number of reasons many teachers and institutions do not take student feedback sufficiently seriously” (387).

Some studies find that information from student evaluations does not contribute to changes in teaching practices (Blair & Valdez Noel, 2014; Kember et al., 2002; Nasser & Fresko, 2002; Spencer & Flyr, 1992). Others, however, find that student evaluations are generally perceived as useful for “formative and summative” purposes (Schmelkin et al., 1997, p. 588) and may lead to changes in instruction (Beran et al., 2005; Chan et al., 2014; Gravestock & Gregor-Greenleaf, 2008; Panasuk & Lebaron, 1999). Arthur (2009) lists four reasons why faculty might not make changes in response to student evaluations: 1) “the issue was felt by just one student,” 2) “students complained about difficult concepts which were nevertheless important for them to learn,” 3) “students did not know what would be useful to them in the workplace, so asked for inappropriate changes,” and 4) “students’ comments seemed to fly in the face of the facts” (p. 450).
References


