Addressing Equity and Inclusion

Summaries of Research Studies on Unconscious Bias

Read the description of ONE study results and discuss your reaction.
Consider the results and the possible implications for your mentoring practice.
Finally discuss one way to reduce the impact of this bias.

1. Studies of hiring involve assigning a man’s name or woman’s name to the same application and randomly distributing the applications to a group of reviewers. The reviewers are more likely to hire the person if there is a man’s name on the application. The sex of the reviewer has no effect on the outcome. The result has not changed much over 40 years of doing the study (Steinpreis, Anders et al. 1999; Dovidio and Gaertner 2000).

2. Many studies show that when reviewers are asked to review job performance based on a written description of the person’s accomplishments, they rate the performance higher if they told that they are reviewing a man. In one study the difference between ratings for men and women candidates was greater when the evaluator was busy or distracted. The sex of the reviewer was not significant (Martell and Leavitt 2002).

3. A linguistic analysis of 300 letters of recommendation for successful candidates applying for (and ultimately being offered) faculty positions at a major medical school showed differences in language and content. Male candidates were referred to more often as “researchers” and “colleagues,” whereas women were referred to as “teachers” and “students.” There were 4X more references to women’s personal lives than to men’s and there were more “doubt raisers” in letters about women (Trix and Psenka 2003).

4. An ecology journal initiated double blind review (authors’ names not revealed to reviewers, reviewers’ names not revealed to authors). During the 6-month period of the trial, the acceptance rate for papers first-authored by women increased significantly. There was no change in the frequency of acceptance of papers first-authored by women in a similar ecology journal during same period (Budden, Tregenza et al. 2008).

5. Evaluators expressed less prejudice against African American candidates if they were instructed to avoid prejudice (Lowery, Hardin et al. 2001).

6. Subjects were told to select one of two rooms in which to watch a movie. In each situation there is a handicapped person sitting in one of the rooms. If both rooms are showing the same movie, the subjects were more likely to choose the room where the handicapped person is sitting. If the rooms are showing different movies, the subjects are more likely to choose the room where the handicapped person is not sitting. The result is the same independent of which movie is showing in the room with the handicapped person (Snyder 1979).
7. Stereotype threat is the anxiety people feel about confirming stereotypes of a group to which they belong. When stereotype threat is activated, usually by reminding a person of their race or sex, a person may identify with a negative stereotype and perform less well than without activation. MRI examination of the human brain shows that activating stereotype threat makes blood move from the cognitive centers to the affective centers of the brain (Krendl, Richeson et al. 2008).

8. Science faculty from research-intensive universities rated the application materials of a student—randomly assigned with either a male or female name—for a laboratory manager position. The male applicant was rated as significantly more competent and hireable than the (identical) female applicant. The faculty also selected a higher starting salary and offered more career mentoring to the male applicant. Interestingly, female and male faculty were equally likely to exhibit bias against the female student (Moss-Racussin, Dovidio et al., in press).

References:


