We acknowledged restriction of range in the article (Sternberg & Williams, 1997). But as we pointed out, standard deviations were substantial, the predictor most restricted in range showed the best prediction, and some correlations (with grades) were actually quite substantial. In reality, virtually all graduate programs display some restriction of range. More selective programs tend to get students from the higher end of the distribution, whereas less selective programs tend to get students from the lower end. By design, we used the real range of students from a real program, not an artificially inflated range from a hypothetical program encompassing the full range of students.

We did an exploration whereby we increased standard deviations by including only (a) the top and bottom quartiles and (b) the top and bottom deciles of the distribution in our analyses (Sternberg & Williams, 1997). Correlations with grades shot up, but correlations with ratings remained meager. With regard to range in criteria, we agree that Yale shows grade inflation, but so do many other programs; our concern is with actual, not hypothetical, criterion measures of performance.

2. Studying Only Students Admitted in Part on the Basis of the Graduate Record Examination (GRE)

Our question (Sternberg & Williams, 1997) was with regard to admitted students, not with regard to all students who applied (which would be an unanswerable question, because we have no way of knowing how well rejected students would have done in our program). We agree that the ideal study would be in a graduate program that would forego the use of GRE scores for the years of the study, but such an ideal study would be extremely hard to do in the real world, largely because many faculty share the sentiments of our critics.

3. Unreliability of Criteria

Correcting for attenuation in criteria would give correlations not for this real world, but for a hypothetical world. To the extent there were halo effects in our ratings (Sternberg & Williams, 1997), so are there in real-world judgments of student and faculty performance.

In the real world of psychology—when candidates are judged for jobs, promotions, and awards—criteria do not show the reliability of standardized psychometric ability tests. Psychologists all work and live in this real world. We (Sternberg & Williams, 1997) looked at the kinds of evaluative criteria that psychologists use in real high-stakes judgments, which embrace implicit assessments of creative and practical as well as analytical abilities. Just as different faculty members might evaluate different candidates for jobs or tenure depending on their specialty and familiarity with the candidates, so did different Yale faculty evaluate different students.

4. Students Who Speak English as a Second Language

All students in our graduate program do virtually all their reading and writing in English and are judged by the same criterion standards regardless of their native language. Had we omitted (the small numbers of) students speaking English as a second language, we presumably would have been criticized for artificially restricting our range, biasing our sample, and perhaps advocating a double standard in assessment of achievement. Of course, weights assigned to test scores in the admission process—in our program and many others—take into account a number of factors, including native language.

5. Compensation

We agree that admissions indices can be used in a compensatory way. But we can test with our data whether predictors must show negative correlations, because the GREs comprise four distinct, individually considered predictors (verbal, quantitative, analytical, subject matter), not just one. In fact, all intercorrelations were positive (Sternberg & Williams, 1997).

6. Failure Rates

We believe it invalid to conclude, as does one commentator, that low failure rates from our graduate program indicate the GRE’s “hit rate of 98%” (Melchert, 1998, p. 574, this issue). These rates could as easily indicate a high hit rate for any other predictor, or for none at all, as the philosophy of the Yale psychology faculty is to be selective in admissions, but then to get admitted students through the program if at all possible.

The Global Issue

The problem is not really with the GRE. It is with a system that, during the years students are in school, emphasizes primarily memory and analytical skills in (a) ability testing, (b) instruction, and (c) assessment, thereby giving measures such as the GRE and related tests higher predictive validity for students in school than these tests will have once the students are out of school, when creative and practical abilities become more important (Sternberg, 1997a; Sternberg, Wagner, Williams, & Horvath, 1995). Consider, for example, how commentators might respond to our article (Sternberg & Will-
iams, 1997), or any article, really, and how these responses would be related to learning and assessment activities based on the triarchic theory of human intelligence (see Sternberg, 1997b; Sternberg & Spear-Swerling, 1996).

Commentators might choose primarily to (a) analyze the GRE, our assessment of the GRE, or our proposed triarchic alternative (Sternberg & Williams, 1997); or to (b) show how we might create a new, appropriate test that is better than either the GRE or our triarchic alternative; or to (c) describe how one might implement these or other tests in a more practical way, for example, better reaching students who speak English as a second language. All of the commentators chose the first option (analytical), admirably demonstrating themselves the skills required for the GRE and for which the educational system selected them (and us) for entrance into graduate study and later the field.

The risk is that such a system may develop students and later professionals with good memory, analytical, and even attack skills, but that the profession will end up with individuals who have the analytical skills metaphorically either to maintain or to tear down existing buildings, but perhaps not the creative and practical skills to build exciting new ones. Perhaps when psychologists start emphasizing creative and practical skills in ability testing, instruction, and assessment of achievement, and make the typical educational environments more responsive to and nurturing of the range of abilities prized in the world after graduation, they will become better able to predict real-world success. At the same time, perhaps the second and third options above will appear more attractive to commentators, and all will feel less bound to tests based on turn-of-the-century theories of abilities and how to measure them.

No technology of which we are aware—computers, telecommunications, televisions, and so on—has shown the kind of ideational stagnation that has characterized the testing industry. Why? Because in other industries, those who do not innovate do not survive. In the testing industry, the opposite appears to be the case. Like Rocky I, Rocky II, Rocky III, and so on, the testing industry provides minor cosmetic successive variants of the same product where only the numbers after the names substantially change. These variants survive because psychologists buy the tests and then loyally defend them (see preceding nine commentaries, this issue).

The existing tests and use of tests have value, but they are not the best they can be. When a commentator says that "it will never be possible to improve much on the current admissions policies of Yale and its direct competitors" (Darlington, 1998, p. 572, this issue), that is analogous to what some said about the Model T automobile and the UNIVAC computer. Comments such as this one prove our point (Sternberg & Williams, 1997) better than we ever could.

REFERENCES


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