What More Do I Need Besides Grades, Test Scores & The Right Courses?

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Current Ability Assessment Issues

- Restriction of Range
  - Tests
  - Grade Inflation
- Courses
- Diversity
- Three Musketeers Problem
  - Range of Abilities
Sternberg- Intelligence Types

- Componential
  Ability to interpret information hierarchically in a well defined and unchanging context. Standardized tests.

- Experiential
  Ability to interpret information in changing contexts, be creative. Standardized tests DO NOT measure.

- Contextual
  Ability to adapt to a changing environment, ability to handle & negotiate the system. Standardized tests DO NOT measure.
Noncognitive Variables

- **Self-Concept**
  - Demonstrates confidence, strength of character, determination, and independence.

- **Realistic Self-Appraisal**
  - Recognizes and accepts any strengths and deficiencies, especially academic, and works hard at self-development.
  - Recognizes need to broaden his/her individuality.

- **Handling System/Racism**
  - Exhibits a realistic view of the system based upon personal experience of racism. Committed to improving the existing system. Takes an assertive approach to dealing with existing wrongs, but is not hostile to society, nor is a "cop-out." Able to handle racist system.
Noncognitive Variables (Contd)

- **Leadership**
  - Demonstrates strong leadership in any area of his/her background (e.g. church, sports, non-educational groups, gang leader, etc.).

- **Long-Range Goals**
  - Able to respond to deferred gratification, plans ahead and sets goals.

- **Strong Support Person**
  - Seeks and takes advantage of a strong support network or has someone to turn to in a crisis or for encouragement.

- **Community**
  - Participates and is involved in his/her community.

- **Nontraditional Learning**
  - Acquires knowledge in sustained and/or culturally related ways in any field outside school.
Advantages of Noncognitive Variable System

- Research based
- Multiple ways to assess
  - Questionnaire (structured-short answer), interview, essay, portfolio
- Retention related
- Considers diversity, US or international
- Tested legally
- Revise to fit situation-flexible
- No cost
- Student development
- Admissions, financial aid, student services, teaching, advising
- Community building
- High school counselors approve
Criticisms of Noncognitive Variable System

- “To avoid criticism, do nothing, say nothing, be nothing.” Elbert Hubbard
- Not a single “test”- many formats
  - College Board says invalid
- Scoring not same for all
  - Three Musketeers
- May require some scoring time
- Easier to get grades & test scores
- Need to explain to some audiences
  - Parents, staff, faculty, alumni
Farmer v. Ramsey et al.- 1998
Castañeda et al. v. U Cal Regents- 1999
Fisher & Multer Michalewicz v. U of Texas- 2009
Oregon State program cited as “best practice” by the US Office of Civil Rights
“A university must make a showing that its plan is narrowly tailored to achieve the only interest that this Court has approved in this context: the benefits of a student body diversity that ‘encompasses a broad array of qualifications and characteristics of which racial or ethnic origin is but a single though important element,’ ” wrote Justice Anthony M. Kennedy in support of a 7-1 decision that was sent down to a lower court for further review.
Gates Millennium Scholars - GMS

- African American, American Indian/Alaska Native, Asian Pacific Islander American, or Hispanic American
- Federal Pell Grant eligible
- Citizen/legal permanent resident or national of U.S.
- 3.3 High School GPA
- Curriculum Rigor
- Noncognitive Variables
A GMS award provides:

- Support by covering needs unmet by other financial options
- Renewable awards for satisfactory progress
- Option to transfer
- Graduate school in math, science, engineering, library science, education, and public health
- Leadership development program
- 1.75 billion dollar program
GMS Outcomes

- Over 15,000 Scholars funded
- Freshman retention 97%; sophomore 95%
- 5 year program retention rate 92%
- 5 year graduation rate 79% (53% all 4yr schools)
- 6 year graduation rate 90% (57% all 4yr schools)
- Scholar higher education GPA mean = 3.25
- Raters within each racial group trained to evaluate noncognitive variables - Alpha reliability = .92
- Scholars from 50 states & American Samoa, Guam, Federated States of Micronesia, Puerto Rico, Virgin Islands
- Scholars in over 1500 colleges and universities
- Scholars more likely to attend: selective, private, residential schools
GMS- Graduate Students

- + Realistic Self-Appraisal (GPA)
- + Leadership (positive experience)
- Had faculty as support person (positive experience)
- Perceived less discrimination (positive experience)
- 50% Education, 18% Engineering, 14% Science, 9% Public Health, 5% Computer Science, 3% Library Science, 2% Math
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**Legend**

- AA- African American
- AI- American Indian/Alaska Native
- AP- Asian Pacific Islander
- HA- Hispanic American
Some Additional Programs Using Noncognitive Variables

Washington State Achievers
Washington DC Achievers
Capital Partners for Education
Washington State University Pullman
Washington State University Vancouver
Univ. British Columbia Business School
Bowling Green State University
Montgomery College
Engineering Vanguard Program (NACME)
University of Central Missouri
DePaul University
Eastern Washington University
Colorado State University-pending
Linn-Benton Community College, Oregon
Central Oregon Community College
Linfield College, Oregon
Manchester College, Indiana
University of Nevada Las Vegas
George Fox University, Oregon
Goshen College
Big Picture Schools
University of Sydney
Assn of Coll Registrars & Admiss Officers
University of California-Davis

University of Northern Colorado
Texas A & M University
Louisiana State University
Boston College
Lehigh University
University of Michigan
Prairie View A & M University
University of Arizona
US Coast Guard Academy
Nagoya University
Samuel Merritt University
Douglas Cty Performance Lrng Ctr (GA)
Indiana State University
University of Washington Tacoma
University British Columbia Vancouver
University British Columbia Okanagan
Oregon Coast Community College
Northwestern College, Iowa
East Carolina University
Foundation for Educational Success
Jack Kent Cooke Foundation
Virginia Commonwealth University
Ten2One Leadership
Secondary School Admiss Test Board


References continued