

Office of Institutional
Research and Effectiveness
Data Collections

Presented by Juan Ramirez, Ph.D.
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IRE: Who are we?

- Institutional Research and Effectiveness
 - Institutional Research
 - external and internal reporting
 - Institutional Effectiveness
 - surveys, assessment, and evaluations
 - Accreditation
 - college and institutional accreditation, compliance with standards, WASC site visits
- Staff
 - 4.5 FTE
 - 1.0 Director (me)
 - 2.5 Research Analysts (En-Hsien Liu, Neil Patel, Delia Padilla Kallemeyn)
 - 1.0 Administrative Assistant (Heather Simmons)

Data

- Annual student surveys
 - First-year student survey (2005 – 2010)
 - Graduating student survey (2005 – 2010)
 - Interview day survey (2005 – 2010)
 - Non Matriculate survey (2005 – 2010)
 - Orientation day survey (2005 – 2010)
- Standardized testing data
 - DIT 2: Defining Issues Test (varies by college)
 - Critical Thinking: CCTST or HSRT) (varies by college)
- Outcomes Site
 - Enrollment, grad, and licensure summary data (Updated annually)

Annual Student Surveys

- Sample Topics
 - Student learning outcomes
 - Student services
 - Learning strategies
 - Educational experiences
 - Satisfaction
 - Campus environment
 - Career plans

CCTST and HSRT

- Subscales
 - **Inference:** identify elements needed to draw conclusion.
 - **Analysis:** identify intended inferential relationships between statements.
 - **Evaluation:** identify the credibility of statements.
 - **Induction:** reasoning from detailed facts to general principles.
 - **Deduction:** reasoning from the general to the particular
- Overall
 - Total score
 - Percentile (based on students taking the test in that year)

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Kohlberg's Stages of Moral Development (Barger, 2000)

Level	Stage	Social Orientation	Operational Measures
Pre-conventional	1	Obedience and Punishment	Personal Interest Measure
	2	Individualism, Instrumentalism, and Exchange	
Conventional	3	“Good boy/girl”	Maintaining Norm Measure
	4	Law and Order	
Post-Conventional	5	Social Contract	(1) Post-Conventional Measure (2) N2 Index
	6	Principled Conscience	

Selected Readings

- Bebeau, M.J. & Thomas, S.J. (2003). A Guide for using Defining Issues Test, Version 2 and Scoring Services of the Center for the Study of Ethical Development. University of Minnesota.
- Kohlberg, L. (1976). Moral stages and moralization: The cognitive developmental approach. In Lickona T. (Ed), *Moral Development and Behavior*. New York: Holt, Reinhart, & Winston, pp. 31-53.
- Lunney, M. (2003). Critical thinking and accuracy of nurses' diagnoses. *International Journal of Nursing Terminologies and Classifications*, 14(3), 96 – 107.
- Pagano, N. (unpublished manuscript). Assessing Assessment Survey results.
- Pellegrino, E.D. (1989). Teaching medical ethics: some persistent questions and some responses. *Academic Medicine*, 64:701-703.
- Scott J. N., & Market R. J. (1994). Relationship between critical thinking skills and success in preclinical courses. *Academy Medicine*, 69(11), 920 – 924.
- Tiwari, A., Lai, P., So, M., & Yuen, K. (2006). A comparison of the effects of problem-based learning and lecturing on the development of students' critical thinking. *Medical Education*, 40, 547 – 555.