

## NSSE Educational Effectiveness Benchmark Scores

		Raw Scores			Z Scores		Comparison to Predicted	
		UCSC	Doc-Res / Extensive	All	Relative to Doc-Res	Relative to All	Predicted	Standardized Residual
Level of Academic Challenge	2000 First-Year	53.0	48.8	50.2	1.2	0.6	51.2	1.8
	Senior	53.9	51.0	52.8	1.3	0.3	53.9	0.0
	2001 First-Year	54.0	51.4	52.9	0.7	0.2	53.3	0.1
	Senior	59.5	54.6	56.6	2.1	0.8	56.6	1.1
Active & Collaborative Learning	2000 First-Year	38.9	37.8	40.9	0.5	-0.4	40.6	-1.7
	Senior	46.2	46.3	49.6	0.0	-0.8	45.7	0.5
	2001 First-Year	38.0	37.5	40.9	0.2	-0.6	39.5	-0.4
	Senior	47.7	45.8	49.7	0.7	-0.4	47.6	0.0
Student Interactions with Faculty Members	2000 First-Year	25.1	27.4	31.2	-0.8	-1.3	28.9	-3.8
	Senior	35.6	35.5	39.7	0.0	-0.6	38.9	-3.3
	2001 First-Year	33.1	31.6	35.1	0.4	-0.4	33.6	-0.1
	Senior	43.8	38.4	42.9	1.6	0.1	40.4	0.9
Enriching Educational Experiences	2000 First-Year	56.0	50.2	49.3	1.2	0.9	53.3	2.7
	Senior	44.4	43.7	44.1	0.2	0.0	46.1	-1.7
	2001 First-Year	62.2	55.3	55.4	1.3	0.9	63.5	-0.3
	Senior	52.5	45.9	47.6	1.5	0.7	51.0	0.4
Supportive Campus Environment	2000 First-Year	57.6	55.6	59.8	0.4	-0.4	55.3	2.3
	Senior	52.6	50.9	56.4	0.4	-0.6	52.3	0.3
	2001 First-Year	58.7	56.1	60.2	0.7	-0.3	57.1	0.4
	Senior	54.8	51.2	56.8	0.9	-0.3	51.8	0.7

*Notes:* Raw scores on composite variables are derived by averaging answers on all items in the composite variables of the five proposed factors of educational effectiveness. In 2000, there were 276 institutions in the total sample, of which 46 were in the Doctoral-Research Extensive classification of UCSC. In 2001 there were 467 institutions in the NSSE sample, of which 73 were Doctoral-Research Extensive. A z-score shows the difference between UCSC and a comparison (centered on zero) that takes into account the skew in the scores on given variables. Positive numbers mean that UCSC is doing better than the comparison. A z-score of 0.5 means that UCSC is better than 69 percent of the comparison group; a z-score of 1.0 means that we are better than 84 percent. Negative numbers mean that we are doing worse.

By taking into consideration 11 different factors (e.g. urbanicity, gender distribution), NSSE derives a 'predicted' score. The calculation looks at: (a) how much a given factor (e.g. urbanicity) predicts outcome variables generally; and (b) how much of the predictive factor UC Santa Cruz has; and then (c) averages across all the predictors. NSSE describes the associated residual score as a gauge of educational effectiveness. Positive scores mean that we are doing better than one would predict given our profile on the 11 characteristics; negative scores mean the opposite.