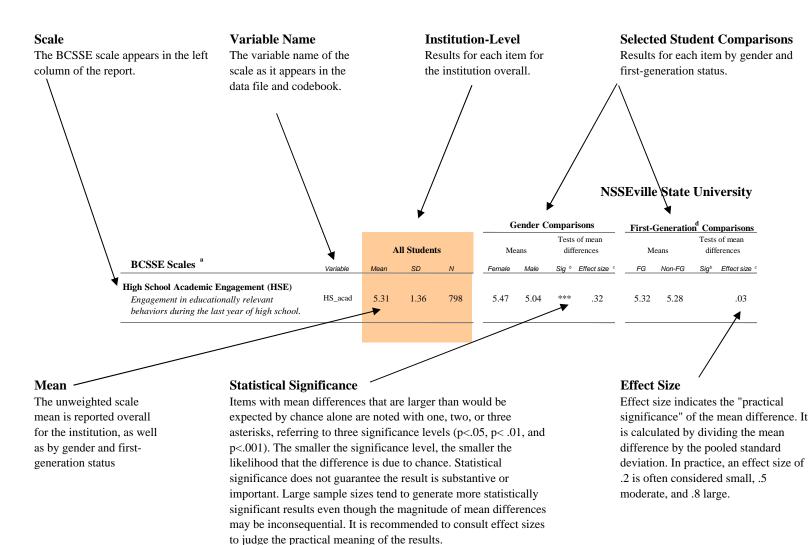


Kent State University

BCSSE 2010 Mean Scale Scores and Selected Student Comparisons



Interpreting the Mean Scale Scores and Selected Student Comparisons





BCSSE 2010 Mean Scale Scores and Selected Student Comparisons Kent State University

of student engagement					G	Gender Comparisons				First-Generation ^d Comparisons			
		All Students		Means		Tests of mean differences		Means		Tests of mean differences			
BCSSE Scales ^a	Variable	Mean	SD	Ν	Female	Male	Sig ^b	Effect size ^c	FG	Non-FG	Sig ^b	Effect size ^c	
High School Academic Engagement (HSE) Engagement in educationally relevant behaviors during the last year of high school.	HS_acad	5.35	1.39	1,107	5.43	5.14	**	.20	5.25	5.43		13	
Expected Academic Engagement (EAE) <i>Expected engagement in educationally relevant</i> <i>behaviors during the first year of college.</i>	Exp_acad	6.18	1.66	1,107	6.19	6.17		.01	6.21	6.18		.02	
Expected Academic Perseverance (EAP) Student certainty that they will persist in the face of academic adversity.	Acad_per	7.11	1.75	1,107	7.11	7.10		.01	7.09	7.15		03	
Expected Academic Difficulty (EAD) <i>Expected academic difficulty during the first year</i> <i>of college.</i>	Acad_dif	4.94	1.71	1,107	5.04	4.71	**	.19	4.96	4.97		01	
Perceived Academic Preparation (PAP) Student perception of their academic preparation.	Acad_prep	7.19	1.63	1,107	7.18	7.21		02	7.07	7.31	*	15	
Importance of Campus Environment (ICE) Student-rated importance that the institution provides a challenging and supportive environment.	Imp_env	7.17	1.78	1,107	7.30	6.85	***	.25	7.09	7.22		07	

^a Scale scores are expressed in 0 (minimum) to 10 (maximum) point scales. See the following page for complete scale descriptions and component items.

^b T-test results (2-tailed): * p<.05, ** p<.01, *** p<.001. The smaller the significance level, the less likely that the difference is due to chance.

^c Effect size is the mean difference divided by pooled standard deviation. It indicates the *practical* significance of the mean difference (effect size .2 is often considered small, .5 is moderate, and .8 is large).

^d First generation is defined as no parent or guardian having graduated with a 4-year college degree.



BCSSE Scales

The following BCSSE scales were constructed by converting the responses for each item to a 0-10 range. A mean scale score was then calculated for each student. Below is a brief description of each scale with the component BCSSE items in parentheses.

High School Academic Engagement (HSE)	Engagement in educationally relevant behaviors during the last year of high school.	hreadasg, hwrite5, hwrite5m, hacadpr, hclquest, hclprese, hfacgrad, hclassgr, hoccgrp, hrewropa, hfacidea, hoocidea				
Expected Academic Engagement (EAE)	Expected engagement in educationally relevant behaviors during the first year of college.	cacadpr, cclquest, cclprese, cfacgrad, cclassgr, coccgrp, cfacidea, coocidea				
Expected Academic Perseverance (EAP)	Student certainty that they will persist in the face of academic adversity.	cotherint, cfindinfo, ccourdis, caskinst, cfinish, cstaypos				
Expected Academic Difficulty (EAD)	Expected academic difficulty during the first year of college.	clearnma, cmantime, cgethelp, cintfac				
Perceived Academic Preparation (PAP)	Student perception of their academic preparation.	cgnwrite, cgnspeak, cgnanaly, cgnquant, cgncompt, cgnother, cgninq				
Importance of Campus Environment (ICE)	Student-rated importance that the institution provides a challenging and supportive environment.	cenvscho, cenvsupr, cenvdivr, cenvnaca, cenvsoca, cenveven				