



COOPERATIVE INSTITUTIONAL RESEARCH PROGRAM
at the HIGHER EDUCATION RESEARCH INSTITUTE AT UCLA

2011 College Senior Survey

CIRP Longitudinal Construct Reports

Graduating Seniors

College of Charleston

comparison group 1: Public 4yr Colleges
comparison group 2: Public/Private Universities, Public 4yr Colleges



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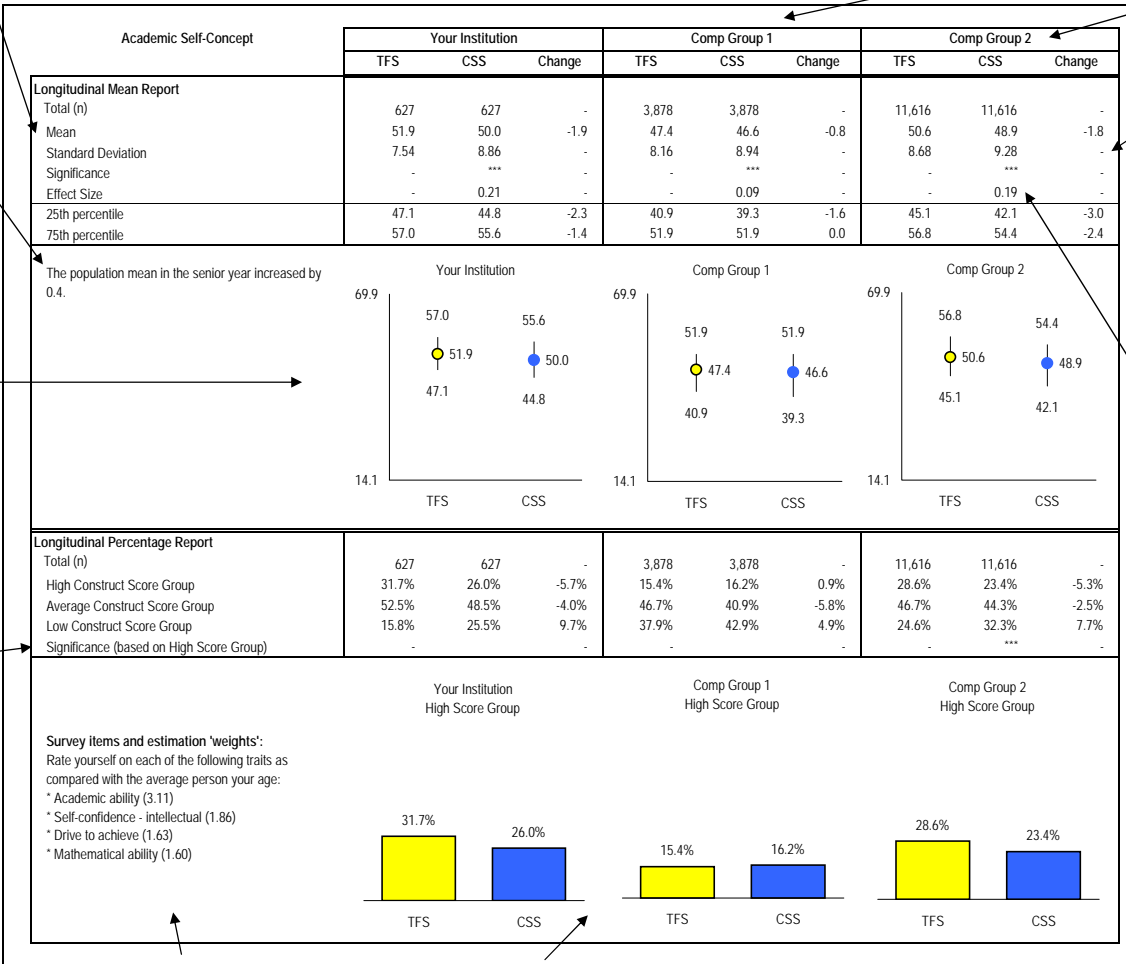
How to Read the CIRP Longitudinal Construct Reports

Mean – The arithmetic mean is computed for each CIRP Construct. The CIRP Freshman Survey Constructs and the non-longitudinal CSS Constructs have been scaled to a mean of 50 and a standard deviation of 10. The longitudinal CSS construct scores have been adjusted upwards or downwards from a mean of 50 during the IRT scoring process depending on the direction of change in the population, the standard deviation remains 10.

Mean Charts – Provide a visual display of relevant construct scores for your institution and two comparison groups. The Y-axis is defined by the highest and lowest possible construct score. Mean scores are represented by circles. The numbers at the top and bottom of the vertical line are values for the 75th and 25th percentile.

Statistical Significance – Uses t-test to examine the difference between the mean construct score on the CIRP Freshman Survey and CSS. Constructs with mean differences that are larger than would be expected by chance are noted with one, two, or three stars, which correspond to the three standard levels of significance (*p<.05, **p<.01, and ***p<.001). Statistical significance measures the extent to which a difference is occurring by chance, not the extent to which a difference is important. Large sample sizes (like those in the comparison groups) tend to generate statistical significance even though the magnitude of the difference may be small and not practically significant. In order to provide additional context to statistical significance, effect sizes are provided.

The scores for the longitudinal CIRP Constructs were derived using IRT methods specifically designed to measure within-person change, allowing institutions to measure change among their student population over time as well as to compare the change in their student population to that of their comparison groups. The top portion of this report shows comparative information based on the mean score of a construct and the bottom portion shows the information based on the percentage of students who score in the high, average and low score groups for the construct.



Comp 1 – The first comparison group is based on your institution's type and control.

Comp 2 – The second comparison group is based on a similar grouping of institution by type and control.

Standard Deviation – Measures the variability around the mean. A small standard deviation indicates that the responses for the construct tend to be very close to the mean, whereas a large standard deviation indicates that the responses are spread over a larger range of response options.

Effect Size – Determines the practical significance of the mean difference between the TFS and the CSS. It is calculated by dividing the mean differences between the TFS and the CSS by the standard deviation of the CSS. Generally, an effect size of .2 is considered small, .5 medium, and .8 large. A positive effect size indicates that the construct score of the CSS is greater than the TFS; a negative sign indicates that the construct score of the CSS is smaller than the TFS.

Survey Items and Estimation "Weights" – The survey items used in the creation of the CIRP Construct are presented in the order in which they contribute to the construct along with the estimation weights generated in IRT. Items that tap into a trait more effectively are given greater weight in the estimation process.

Percentage Charts – Provide a visual display of the construct "High Score Group" percentages for your institution and two comparison groups. "High" represents students who scored one-half standard deviation or more above mean (higher than 55).



Habits of Mind
CIRP Longitudinal Construct Report
All Respondents

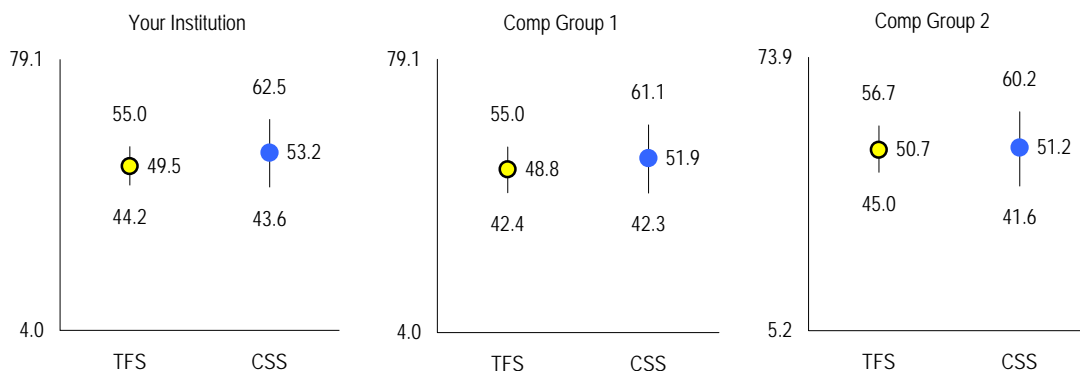
College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	171	171	-	999	999	-	6,344	6,344	-
Mean	49.5	53.2	3.7	48.8	51.9	3.1	50.7	51.2	0.6
Standard Deviation	8.80	12.35	-	9.34	12.83	-	8.63	12.79	-
Significance	-	**	-	-	***	-	-	**	-
Effect Size	-	0.30	-	-	0.24	-	-	0.04	-
25th percentile	44.2	43.6	-0.6	42.4	42.3	-0.1	45.0	41.6	-3.4
75th percentile	55.0	62.5	7.5	55.0	61.1	6.1	56.7	60.2	3.5

The population mean in the senior year increased by 1.7.

Survey items and estimation 'weights':

Rate yourself on each of the following traits as compared with the average person your age:

- * Support your opinions with a logical argument (2..30)
- * Seek solutions to problems and explain them to others (2.25)
- * Seek alternative solutions to a problem (1.90)
- * Evaluate the quality or reliability of information you received (1.73)
- * Ask questions in class (1.50)



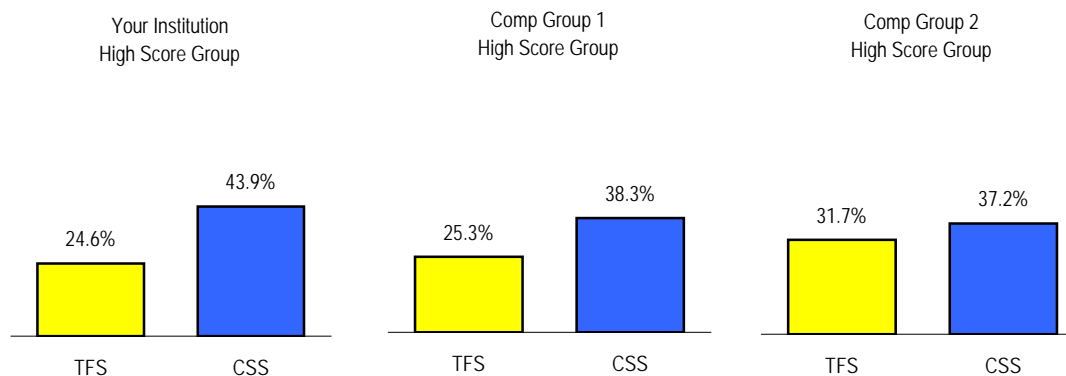
Longitudinal Percentage Report

Total (n)	171	171	-	999	999	-	6,344	6,344	-
High Construct Score Group	24.6%	43.9%	19.3%	25.3%	38.3%	13.0%	31.7%	37.2%	5.5%
Average Construct Score Group	45.6%	28.1%	-17.5%	39.5%	29.5%	-10.0%	43.3%	28.5%	-14.7%
Low Construct Score Group	29.8%	28.1%	-1.8%	35.1%	32.1%	-3.0%	25.0%	34.3%	9.2%
Significance (based on High Score Group)	-	*	-	-	***	-	-	***	-

Survey items and estimation 'weights':

(continued)

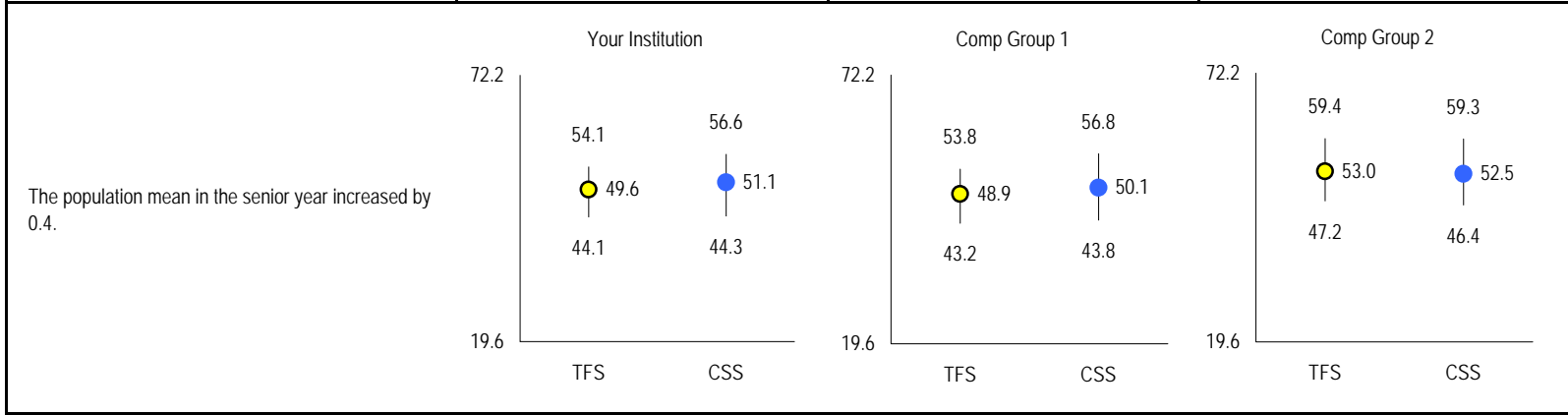
- * Take a risk because you felt you had more to gain (1.39)
- * Seek feedback on your academic work (1.28)
- * Explore topics on your own, even though it was not required for a class (1.24)
- * Revise your papers to improve your writing (1.15)
- * Look up scientific research articles and resources (0.73)
- * Accept mistakes as part of the learning process (0.69)



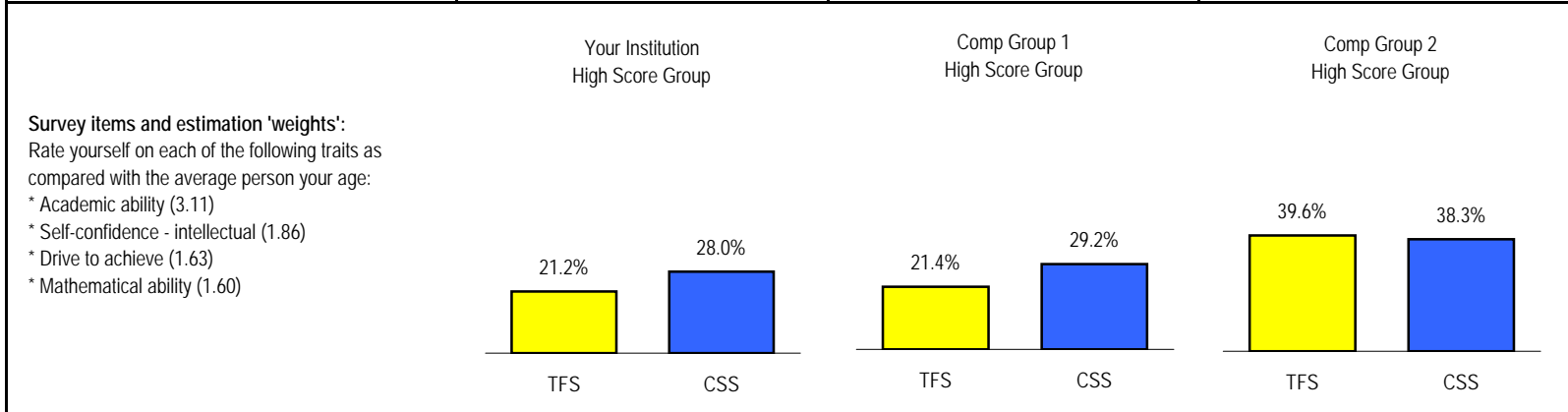


Academic Self-Concept
CIRP Longitudinal Construct Report
All Respondents

College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	189	189	-	1,093	1,093	-	6,664	6,664	-
Mean	49.6	51.1	1.4	48.9	50.1	1.2	53.0	52.5	-0.5
Standard Deviation	7.77	8.82	-	8.23	9.31	-	8.62	9.46	-
Significance	-	-	-	-	**	-	-	**	-
Effect Size	-	0.16	-	-	0.13	-	-	-0.05	-
25th percentile	44.1	44.3	0.2	43.2	43.8	0.6	47.2	46.4	-0.8
75th percentile	54.1	56.6	2.5	53.8	56.8	3.0	59.4	59.3	-0.1



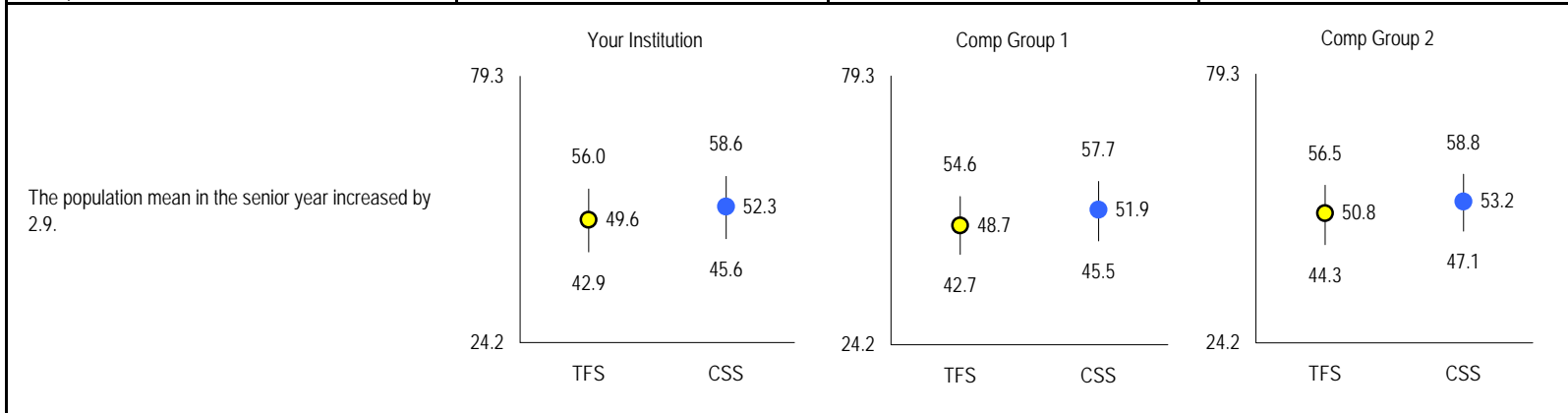
Longitudinal Percentage Report	Your Institution			Comp Group 1			Comp Group 2		
Total (n)	189	189	-	1,093	1,093	-	6,664	6,664	-
High Construct Score Group	21.2%	28.0%	6.9%	21.4%	29.2%	7.8%	39.6%	38.3%	-1.3%
Average Construct Score Group	50.3%	45.0%	-5.3%	46.8%	42.3%	-4.6%	43.4%	41.3%	-2.1%
Low Construct Score Group	28.6%	27.0%	-1.6%	31.7%	28.5%	-3.2%	17.0%	20.4%	3.4%
Significance (based on High Score Group)	-	-	-	-	*	-	-	-	-



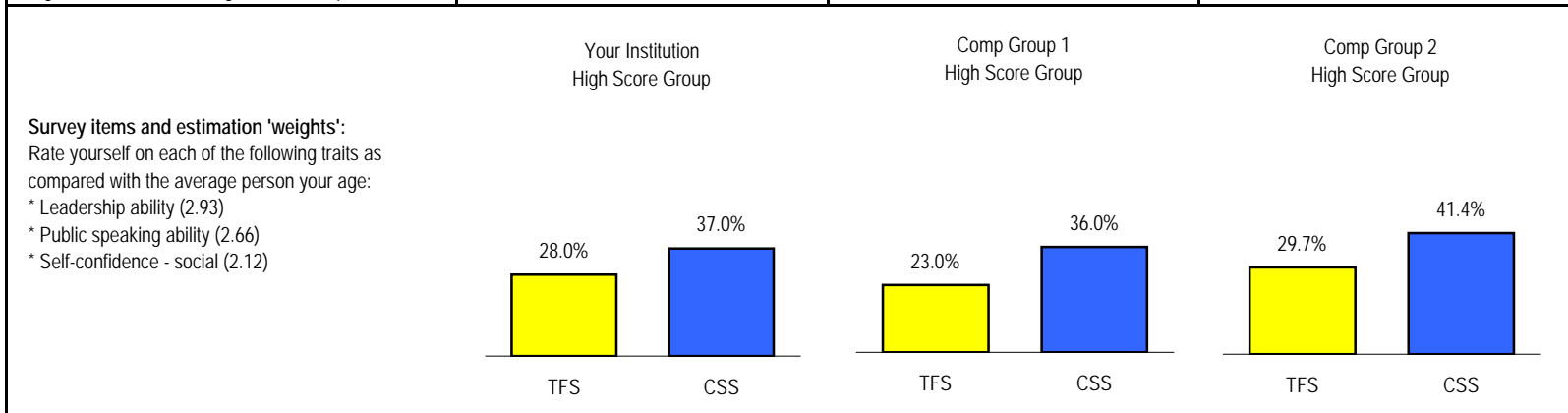


Social Self-Concept
CIRP Longitudinal Construct Report
All Respondents

College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	189	189	-	1,093	1,093	-	6,659	6,659	-
Mean	49.6	52.3	2.7	48.7	51.9	3.2	50.8	53.2	2.4
Standard Deviation	8.14	8.34	-	8.88	8.81	-	8.71	8.64	-
Significance	-	**	-	-	***	-	-	***	-
Effect Size	-	0.32	-	-	0.36	-	-	0.27	-
25th percentile	42.9	45.6	2.7	42.7	45.5	2.8	44.3	47.1	2.8
75th percentile	56.0	58.6	2.6	54.6	57.7	3.1	56.5	58.8	2.3



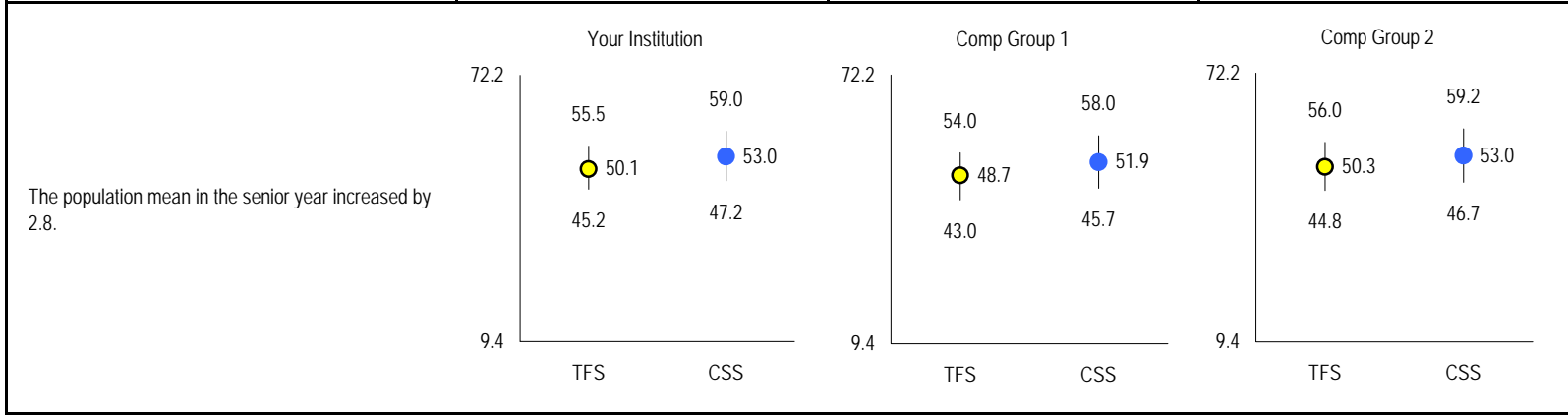
Longitudinal Percentage Report									
Total (n)	189	189	-	1,093	1,093	-	6,659	6,659	-
High Construct Score Group	28.0%	37.0%	9.0%	23.0%	36.0%	13.1%	29.7%	41.4%	11.7%
Average Construct Score Group	37.0%	40.7%	3.7%	40.7%	41.1%	0.4%	44.2%	41.5%	-2.7%
Low Construct Score Group	34.9%	22.2%	-12.7%	36.3%	22.9%	-13.4%	26.1%	17.1%	-9.0%
Significance (based on High Score Group)	-	-	-	-	***	-	-	***	-



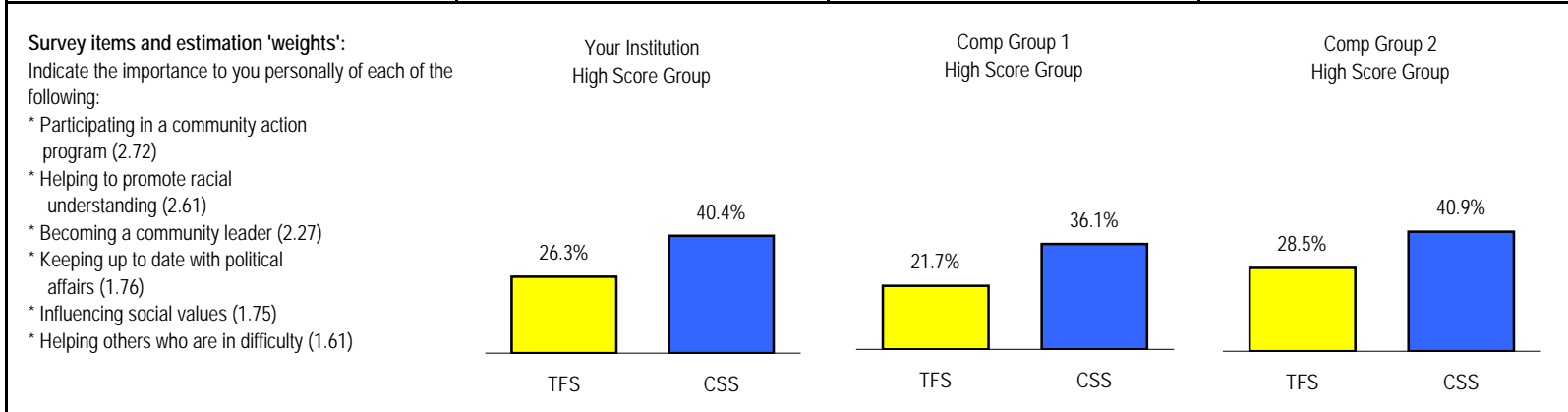


Social Agency
CIRP Longitudinal Construct Report
All Respondents

College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	171	171	-	1,040	1,040	-	6,453	6,453	-
Mean	50.1	53.0	2.9	48.7	51.9	3.1	50.3	53.0	2.7
Standard Deviation	8.70	9.18	-	8.67	9.45	-	8.83	9.67	-
Significance	-	**	-	-	***	-	-	***	-
Effect Size	-	0.32	-	-	0.33	-	-	0.28	-
25th percentile	45.2	47.2	2.0	43.0	45.7	2.7	44.8	46.7	1.9
75th percentile	55.5	59.0	3.5	54.0	58.0	4.0	56.0	59.2	3.2



Longitudinal Percentage Report	Your Institution			Comp Group 1			Comp Group 2		
Total (n)	171	171	-	1,040	1,040	-	6,453	6,453	-
High Construct Score Group	26.3%	40.4%	14.0%	21.7%	36.1%	14.3%	28.5%	40.9%	12.4%
Average Construct Score Group	49.1%	43.9%	-5.3%	46.6%	41.6%	-5.0%	45.9%	40.5%	-5.5%
Low Construct Score Group	24.6%	15.8%	-8.8%	31.6%	22.3%	-9.3%	25.6%	18.6%	-7.0%
Significance (based on High Score Group)	-	-	-	-	***	-	-	***	-





Habits of Mind
CIRP Longitudinal Construct Report
Men

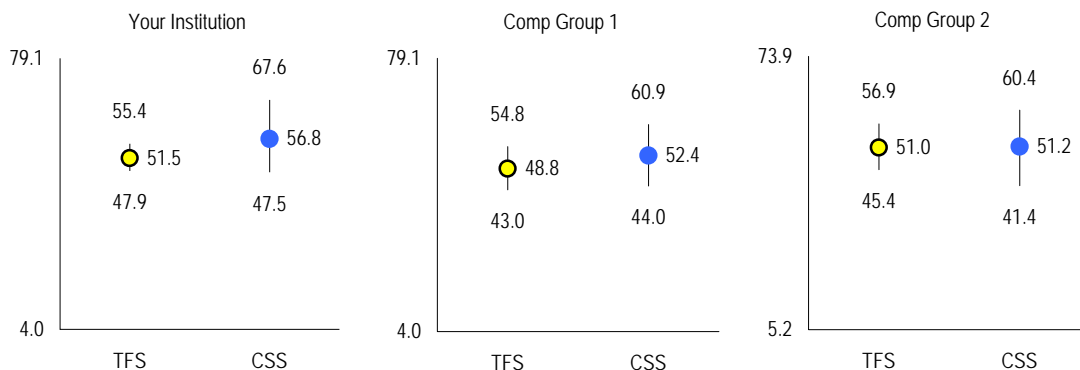
College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	35	35	-	263	263	-	2,408	2,408	-
Mean	51.5	56.8	5.3	48.8	52.4	3.6	51.0	51.2	0.2
Standard Deviation	7.27	12.28	-	9.24	12.79	-	8.45	12.88	-
Significance	-	*	-	-	***	-	-	-	-
Effect Size	-	0.44	-	-	0.28	-	-	0.01	-
25th percentile	47.9	47.5	-0.4	43.0	44.0	1.0	45.4	41.4	-4.0
75th percentile	55.4	67.6	12.2	54.8	60.9	6.1	56.9	60.4	3.5

The population mean in the senior year increased by 1.7.

Survey items and estimation 'weights':

Rate yourself on each of the following traits as compared with the average person your age:

- * Support your opinions with a logical argument (2.30)
- * Seek solutions to problems and explain them to others (2.25)
- * Seek alternative solutions to a problem (1.90)
- * Evaluate the quality or reliability of information you received (1.73)
- * Ask questions in class (1.50)



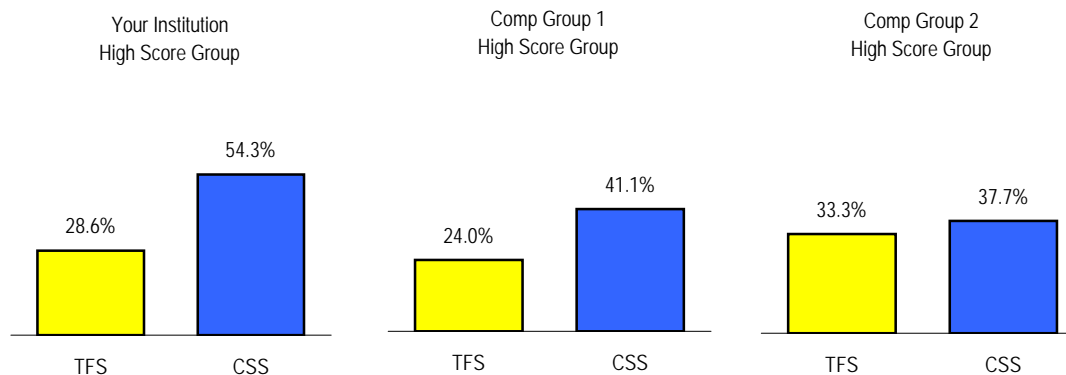
Longitudinal Percentage Report

Total (n)	35	35	-	263	263	-	2,408	2,408	-
High Construct Score Group	28.6%	54.3%	25.7%	24.0%	41.1%	17.1%	33.3%	37.7%	4.4%
Average Construct Score Group	57.1%	22.9%	-34.3%	43.3%	30.8%	-12.5%	43.3%	27.7%	-15.6%
Low Construct Score Group	14.3%	22.9%	8.6%	32.7%	28.1%	-4.6%	23.4%	34.6%	11.2%
Significance (based on High Score Group)	-	-	-	-	*	-	-	-	-

Survey items and estimation 'weights':

(continued)

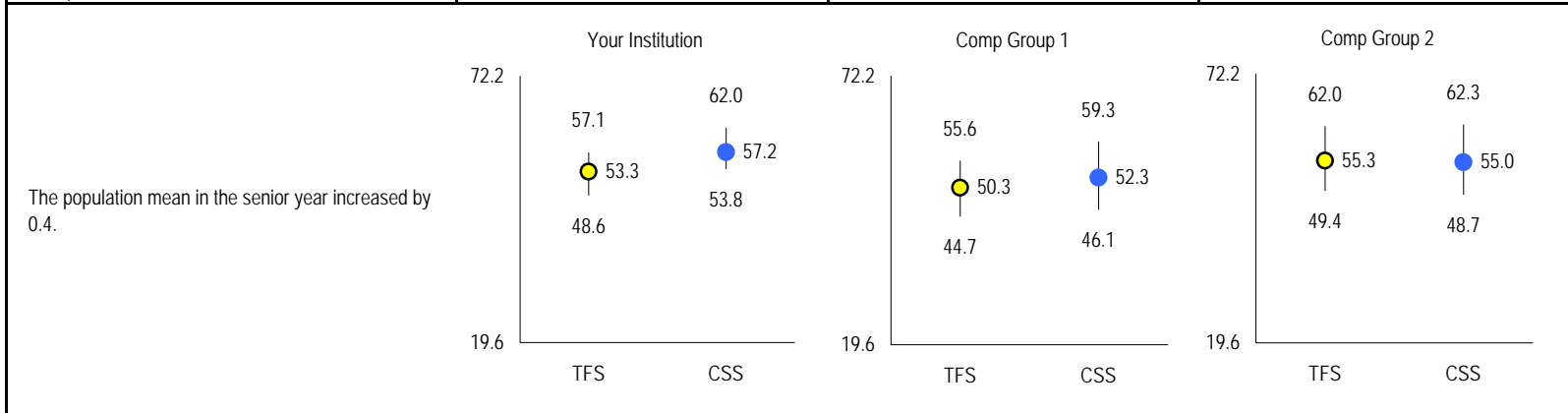
- * Take a risk because you felt you had more to gain (1.39)
- * Seek feedback on your academic work (1.28)
- * Explore topics on your own, even though it was not required for a class (1.24)
- * Revise your papers to improve your writing (1.15)
- * Look up scientific research articles and resources (0.73)
- * Accept mistakes as part of the learning process (0.69)



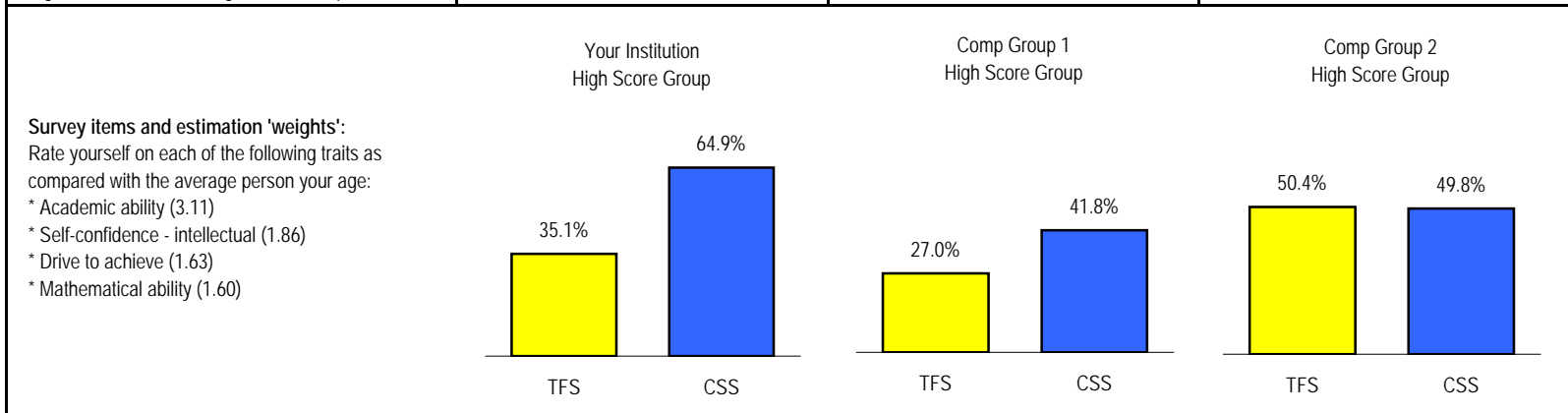


Academic Self-Concept
CIRP Longitudinal Construct Report
Men

College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	37	37	-	285	285	-	2,533	2,533	-
Mean	53.3	57.2	3.8	50.3	52.3	2.0	55.3	55.0	-0.3
Standard Deviation	7.27	7.17	-	8.35	9.47	-	8.60	9.64	-
Significance	-	*	-	-	**	-	-	-	-
Effect Size	-	0.53	-	-	0.21	-	-	-0.03	-
25th percentile	48.6	53.8	5.2	44.7	46.1	1.4	49.4	48.7	-0.7
75th percentile	57.1	62.0	4.9	55.6	59.3	3.7	62.0	62.3	0.3



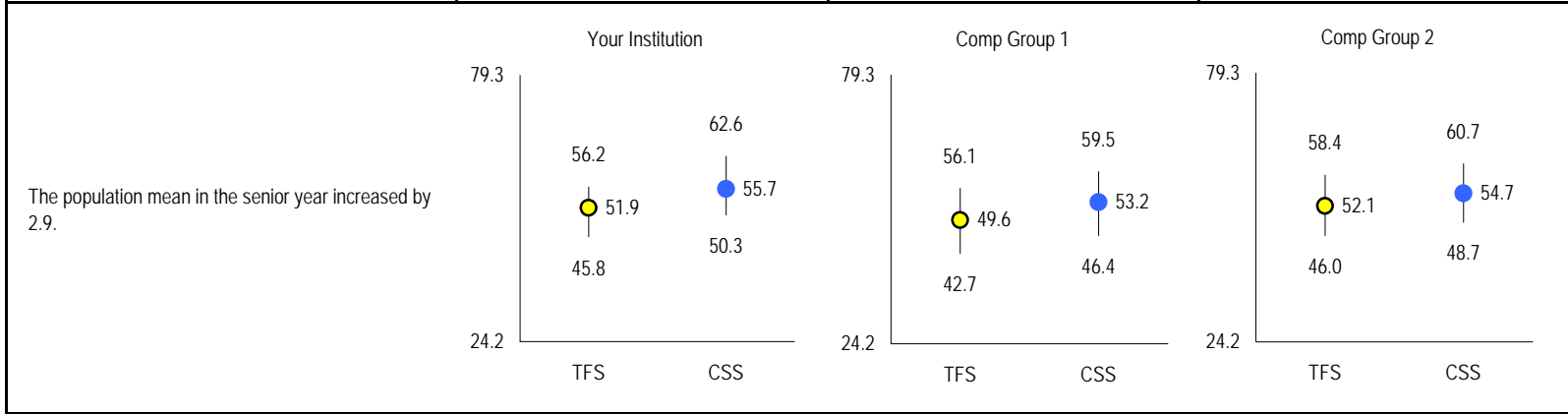
Longitudinal Percentage Report			
Total (n)	37	37	-
High Construct Score Group	35.1%	64.9%	29.7%
Average Construct Score Group	56.8%	24.3%	-32.4%
Low Construct Score Group	8.1%	10.8%	2.7%
Significance (based on High Score Group)	-	-	-



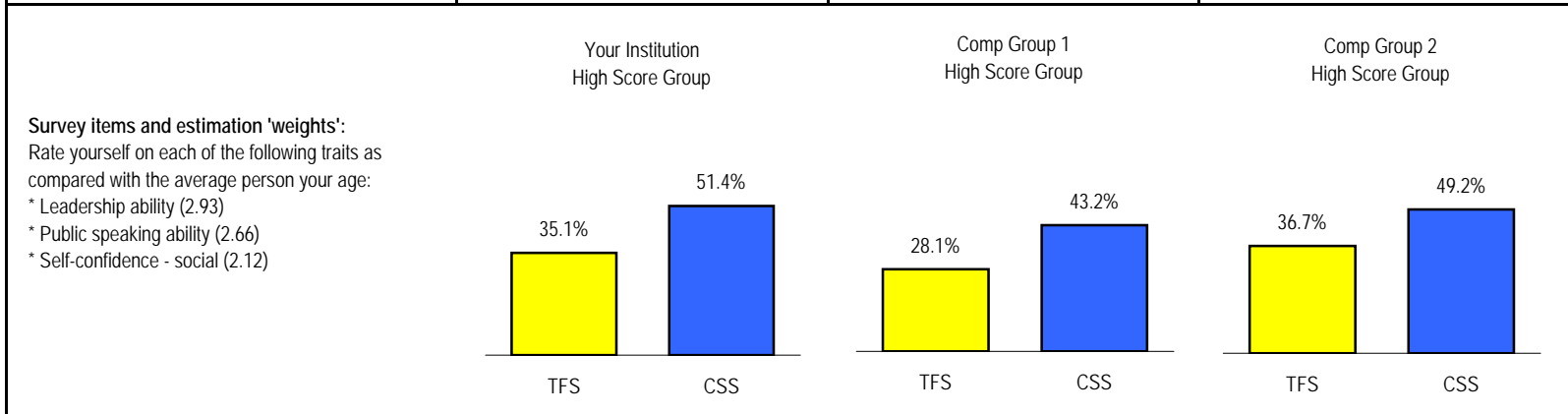


Social Self-Concept
CIRP Longitudinal Construct Report
Men

College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	37	37	-	285	285	-	2,531	2,531	-
Mean	51.9	55.7	3.9	49.6	53.2	3.7	52.1	54.7	2.6
Standard Deviation	7.98	8.44	-	9.43	9.34	-	8.94	9.07	-
Significance	-	*	-	-	***	-	-	***	-
Effect Size	-	0.46	-	-	0.39	-	-	0.28	-
25th percentile	45.8	50.3	4.5	42.7	46.4	3.7	46.0	48.7	2.7
75th percentile	56.2	62.6	6.4	56.1	59.5	3.4	58.4	60.7	2.3



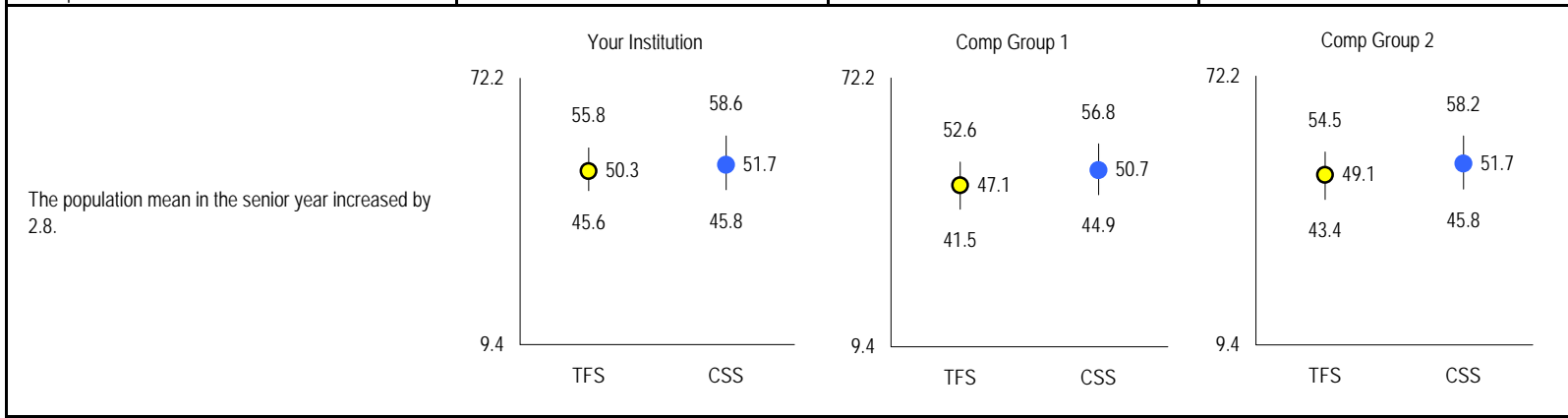
College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Percentage Report									
Total (n)	37	37	-	285	285	-	2,531	2,531	-
High Construct Score Group	35.1%	51.4%	16.2%	28.1%	43.2%	15.1%	36.7%	49.2%	12.5%
Average Construct Score Group	45.9%	35.1%	-10.8%	38.6%	36.1%	-2.5%	41.7%	36.4%	-5.3%
Low Construct Score Group	18.9%	13.5%	-5.4%	33.3%	20.7%	-12.6%	21.7%	14.4%	-7.2%
Significance (based on High Score Group)	-	-	-	-	*	-	-	***	-



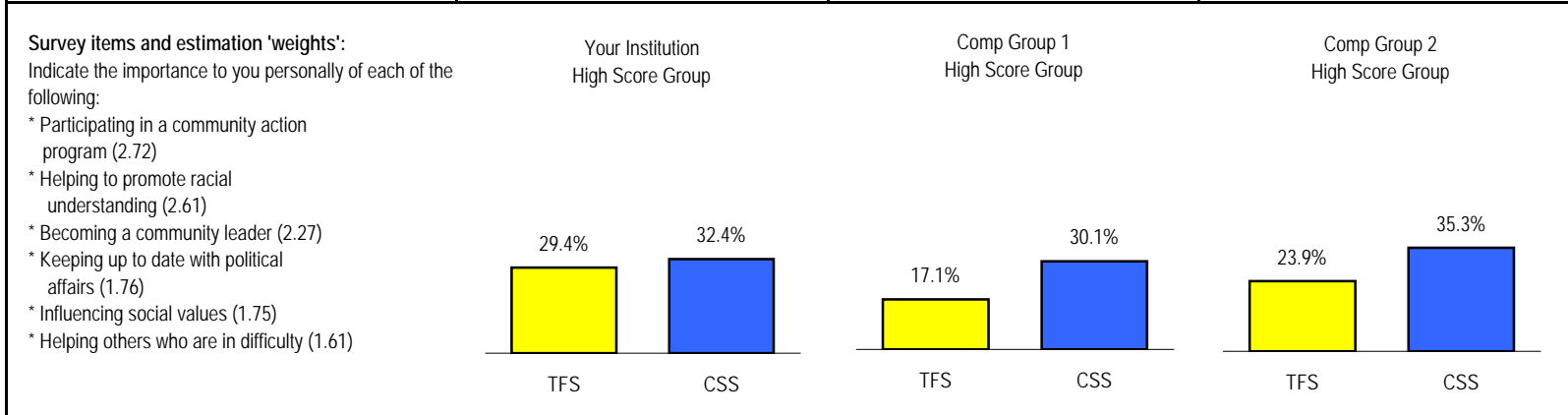


Social Agency
CIRP Longitudinal Construct Report
Men

College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	34	34	-	269	269	-	2,431	2,431	-
Mean	50.3	51.7	1.4	47.1	50.7	3.6	49.1	51.7	2.6
Standard Deviation	9.10	10.46	-	9.12	9.36	-	9.06	10.02	-
Significance	-	-	-	-	***	-	-	***	-
Effect Size	-	0.14	-	-	0.38	-	-	0.26	-
25th percentile	45.6	45.8	0.2	41.5	44.9	3.4	43.4	45.8	2.4
75th percentile	55.8	58.6	2.8	52.6	56.8	4.2	54.5	58.2	3.7



Longitudinal Percentage Report	Your Institution	Comp Group 1	Comp Group 2
Total (n)	34	269	2,431
High Construct Score Group	29.4%	17.1%	23.9%
Average Construct Score Group	47.1%	44.6%	46.3%
Low Construct Score Group	23.5%	25.3%	29.7%
Significance (based on High Score Group)	-	-	***





Habits of Mind
CIRP Longitudinal Construct Report
Women

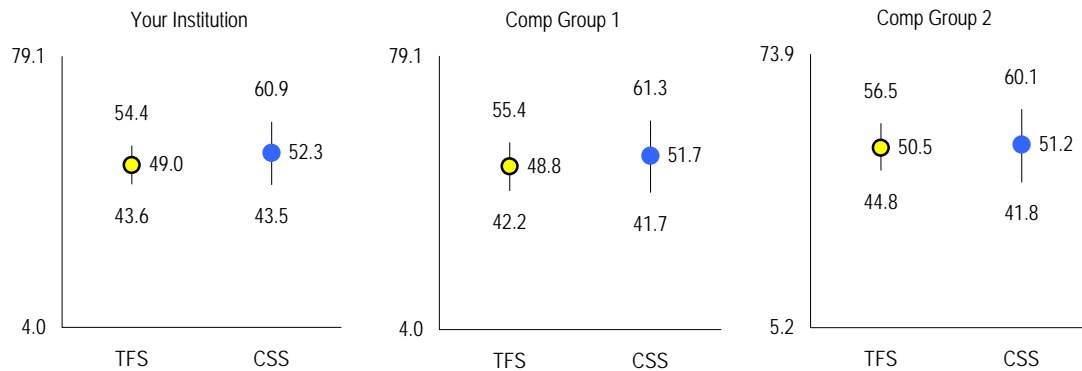
College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	136	136	-	736	736	-	3,936	3,936	-
Mean	49.0	52.3	3.3	48.8	51.7	2.9	50.5	51.2	0.8
Standard Deviation	9.11	12.25	-	9.38	12.84	-	8.73	12.74	-
Significance	-	*	-	-	***	-	-	**	-
Effect Size	-	0.27	-	-	0.23	-	-	0.06	-
25th percentile	43.6	43.5	-0.1	42.2	41.7	-0.5	44.8	41.8	-3.0
75th percentile	54.4	60.9	6.5	55.4	61.3	5.9	56.5	60.1	3.6

The population mean in the senior year increased by 1.7.

Survey items and estimation 'weights':

Rate yourself on each of the following traits as compared with the average person your age:

- * Support your opinions with a logical argument (2..30)
- * Seek solutions to problems and explain them to others (2.25)
- * Seek alternative solutions to a problem (1.90)
- * Evaluate the quality or reliability of information you received (1.73)
- * Ask questions in class (1.50)

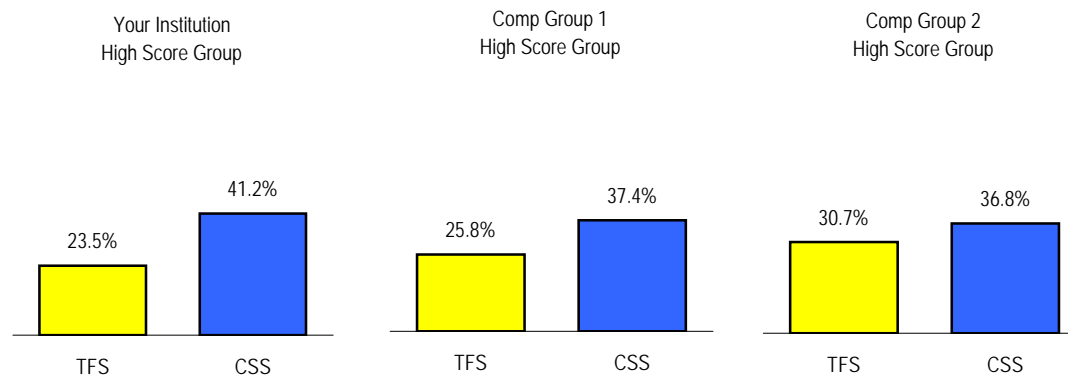


Longitudinal Percentage Report

Total (n)	136	136	-	736	736	-	3,936	3,936	-
High Construct Score Group	23.5%	41.2%	17.6%	25.8%	37.4%	11.5%	30.7%	36.8%	6.2%
Average Construct Score Group	42.6%	29.4%	-13.2%	38.2%	29.1%	-9.1%	43.3%	29.1%	-14.2%
Low Construct Score Group	33.8%	29.4%	-4.4%	36.0%	33.6%	-2.4%	26.0%	34.1%	8.1%
Significance (based on High Score Group)	-	-	-	-	**	-	-	***	-

Survey items and estimation 'weights':
(continued)

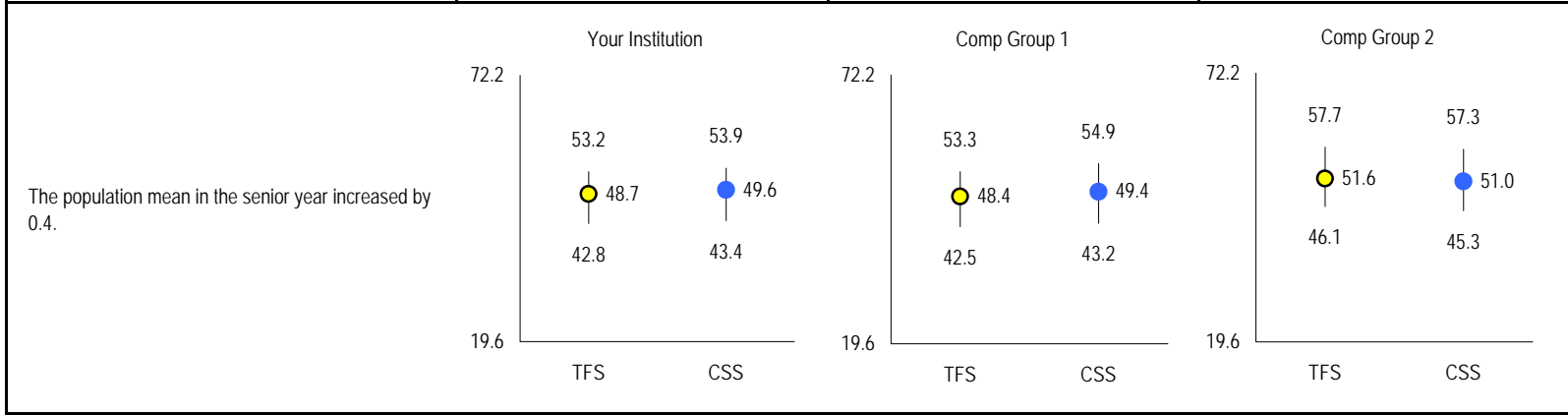
- * Take a risk because you felt you had more to gain (1.39)
- * Seek feedback on your academic work (1.28)
- * Explore topics on your own, even though it was not required for a class (1.24)
- * Revise your papers to improve your writing (1.15)
- * Look up scientific research articles and resources (0.73)
- * Accept mistakes as part of the learning process (0.69)



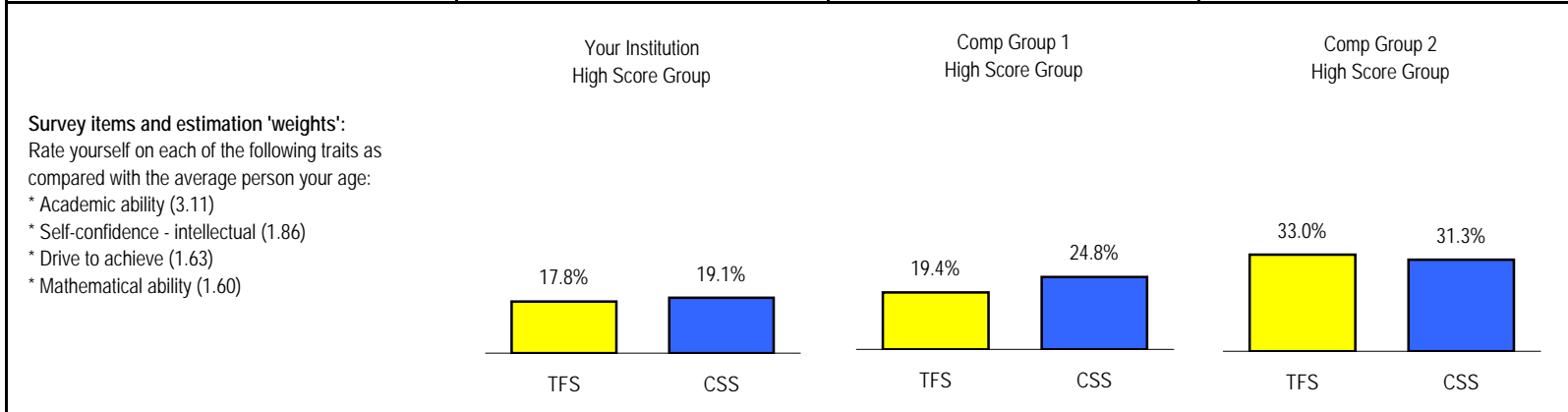


Academic Self-Concept
CIRP Longitudinal Construct Report
Women

College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	152	152	-	808	808	-	4,131	4,131	-
Mean	48.7	49.6	0.8	48.4	49.4	0.9	51.6	51.0	-0.6
Standard Deviation	7.64	8.56	-	8.13	9.13	-	8.32	9.02	-
Significance	-	-	-	-	*	-	-	**	-
Effect Size	-	0.10	-	-	0.10	-	-	-0.06	-
25th percentile	42.8	43.4	0.6	42.5	43.2	0.7	46.1	45.3	-0.8
75th percentile	53.2	53.9	0.7	53.3	54.9	1.6	57.7	57.3	-0.4



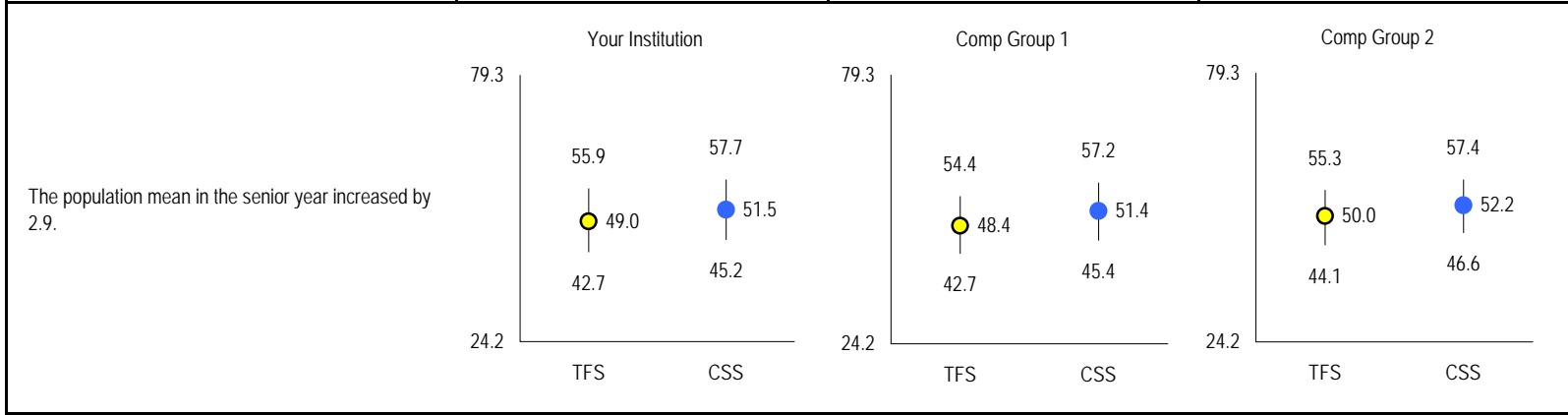
Longitudinal Percentage Report	Your Institution			Comp Group 1			Comp Group 2		
Total (n)	152	152	-	808	808	-	4,131	4,131	-
High Construct Score Group	17.8%	19.1%	1.3%	19.4%	24.8%	5.3%	33.0%	31.3%	-1.7%
Average Construct Score Group	48.7%	50.0%	1.3%	46.7%	44.2%	-2.5%	46.6%	45.0%	-1.5%
Low Construct Score Group	33.6%	30.9%	-2.6%	33.9%	31.1%	-2.8%	20.4%	23.7%	3.3%
Significance (based on High Score Group)	-	-	-	-	-	-	-	-	-



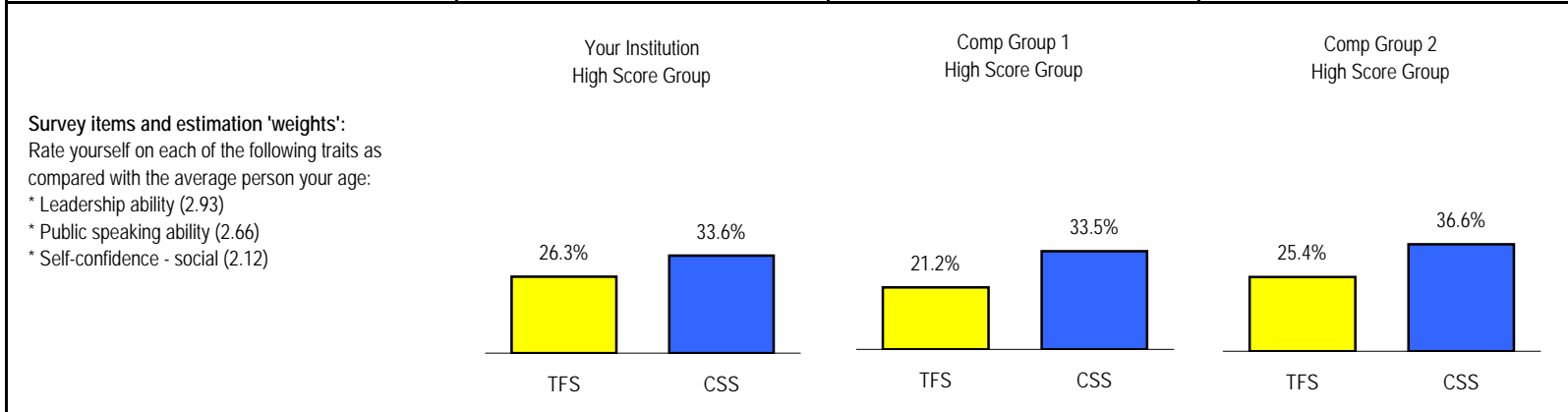


Social Self-Concept
CIRP Longitudinal Construct Report
Women

College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	152	152	-	808	808	-	4,128	4,128	-
Mean	49.0	51.5	2.4	48.4	51.4	3.0	50.0	52.2	2.2
Standard Deviation	8.11	8.13	-	8.67	8.57	-	8.46	8.22	-
Significance	-	**	-	-	***	-	-	***	-
Effect Size	-	0.30	-	-	0.35	-	-	0.27	-
25th percentile	42.7	45.2	2.5	42.7	45.4	2.7	44.1	46.6	2.5
75th percentile	55.9	57.7	1.8	54.4	57.2	2.8	55.3	57.4	2.1



Longitudinal Percentage Report									
Total (n)	152	152	-	808	808	-	4,128	4,128	-
High Construct Score Group	26.3%	33.6%	7.2%	21.2%	33.5%	12.4%	25.4%	36.6%	11.2%
Average Construct Score Group	34.9%	42.1%	7.2%	41.5%	42.8%	1.4%	45.8%	44.7%	-1.1%
Low Construct Score Group	38.8%	24.3%	-14.5%	37.4%	23.6%	-13.7%	28.8%	18.8%	-10.1%
Significance (based on High Score Group)	-	-	-	-	**	-	-	***	-

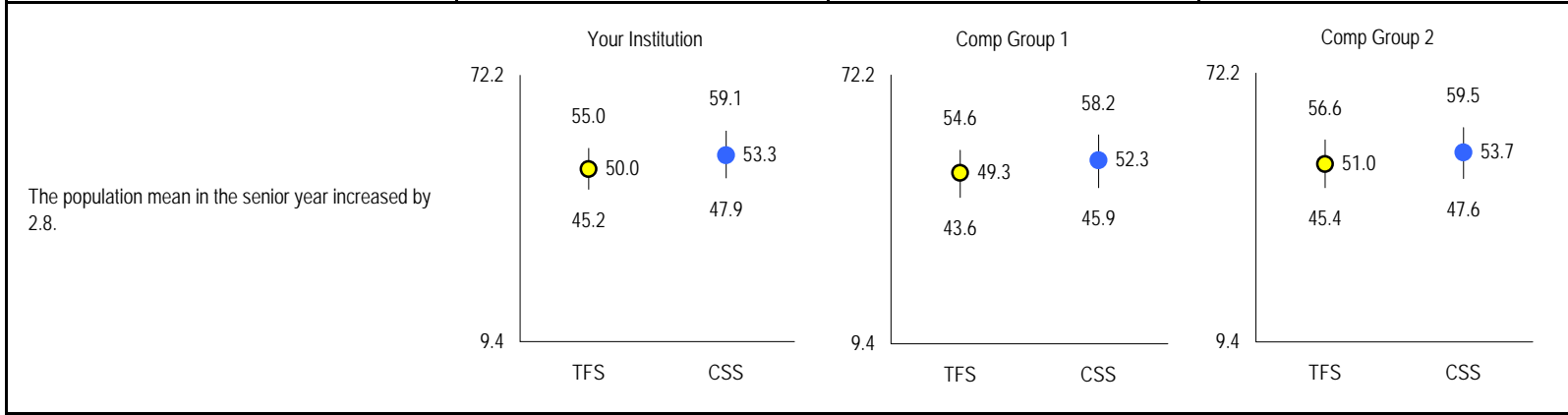


Note: Significance * p<.05, ** p<.01, *** p<.001



Social Agency
CIRP Longitudinal Construct Report
Women

College of Charleston	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	137	137	-	771	771	-	4,022	4,022	-
Mean	50.0	53.3	3.3	49.3	52.3	3.0	51.0	53.7	2.7
Standard Deviation	8.63	8.85	-	8.43	9.45	-	8.61	9.38	-
Significance	-	**	-	-	***	-	-	***	-
Effect Size	-	0.37	-	-	0.31	-	-	0.29	-
25th percentile	45.2	47.9	2.7	43.6	45.9	2.3	45.4	47.6	2.2
75th percentile	55.0	59.1	4.1	54.6	58.2	3.6	56.6	59.5	2.9



Longitudinal Percentage Report	Your Institution			Comp Group 1			Comp Group 2		
Total (n)	137	137	-	771	771	-	4,022	4,022	-
High Construct Score Group	25.5%	42.3%	16.8%	23.3%	38.1%	14.8%	31.2%	44.3%	13.1%
Average Construct Score Group	49.6%	42.3%	-7.3%	47.3%	40.6%	-6.7%	45.7%	39.3%	-6.4%
Low Construct Score Group	24.8%	15.3%	-9.5%	29.3%	21.3%	-8.0%	23.1%	16.4%	-6.7%
Significance (based on High Score Group)	-	-	-	-	***	-	-	***	-

