



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

2019 College Senior Survey

CIRP Longitudinal Construct Reports

University of California-San Diego

Comparison group 1: Public 4yr Colleges
Comparison group 2: All public colleges and universities



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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.

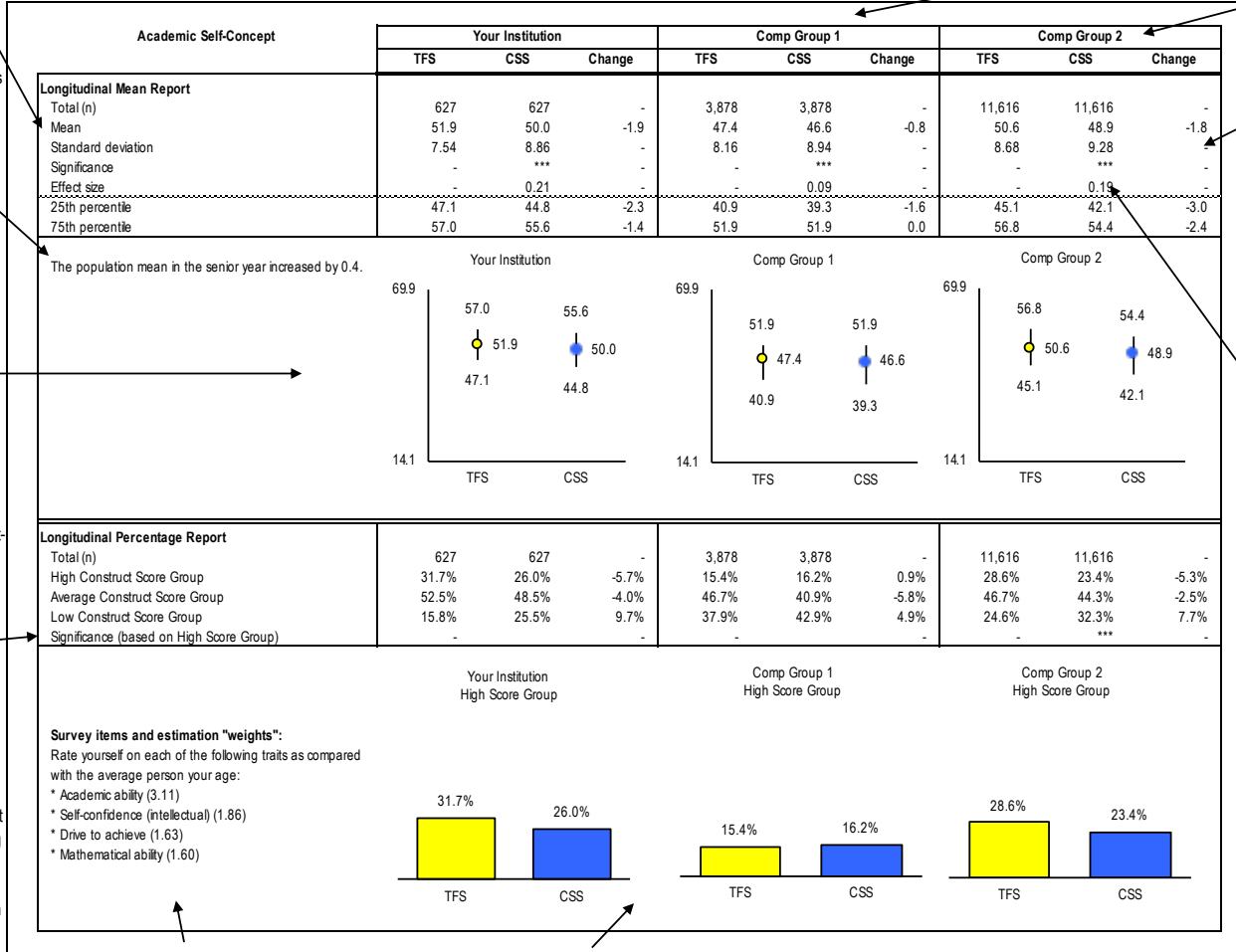
The scores for the longitudinal CIRP Constructs were derived using IRT methods specifically designed to measure within-person change, allowing institutions to measure change among their student population over time as well as to compare the change in their student population to that of their comparison 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

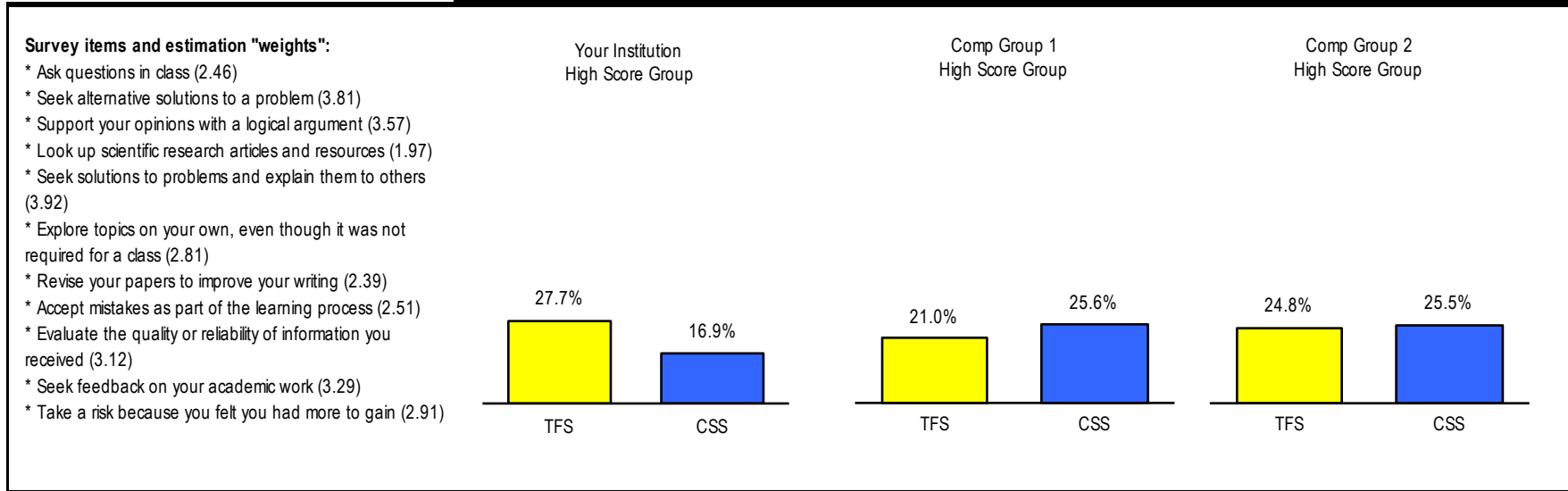
University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	260	260	-	1,002	1,002	-	1,510	1,510	-
Mean	49.0	44.2	-4.7	45.8	47.3	1.6	47.1	47.1	0.0
Standard deviation	9.94	10.26	-	10.36	9.86	-	10.54	10.05	-
Significance	-	***	-	-	***	-	-	-	-
Effect size	-	-0.46	-	-	0.16	-	-	0.00	-
25th percentile	42.6	37.2	-5.4	37.9	40.2	2.3	39.4	39.7	0.3
75th percentile	56.7	52.1	-4.6	53.8	55.2	1.4	55.0	55.2	0.2
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Your Institution</p> <p>The population mean in the senior year increased by 0.1.</p> </div> <div style="text-align: center;"> <p>Comp Group 1</p> </div> <div style="text-align: center;"> <p>Comp Group 2</p> </div> </div>									
Longitudinal Percentage Report									
Total (n)	260	260	-	1,002	1,002	-	1,510	1,510	-
High Construct Score Group	27.7%	16.9%	-10.8%	21.0%	25.6%	4.7%	24.8%	25.5%	0.7%
Average Construct Score Group	41.2%	30.0%	-11.2%	34.8%	37.5%	2.7%	35.3%	35.8%	0.5%
Low Construct Score Group	31.2%	53.1%	21.9%	44.2%	36.8%	-7.4%	39.9%	38.7%	-1.3%
Significance (based on High Score Group)	-	-	-	-	-	-	-	-	-



Habits of Mind
CIRP Longitudinal Construct Report
All Respondents

University of California-San Diego

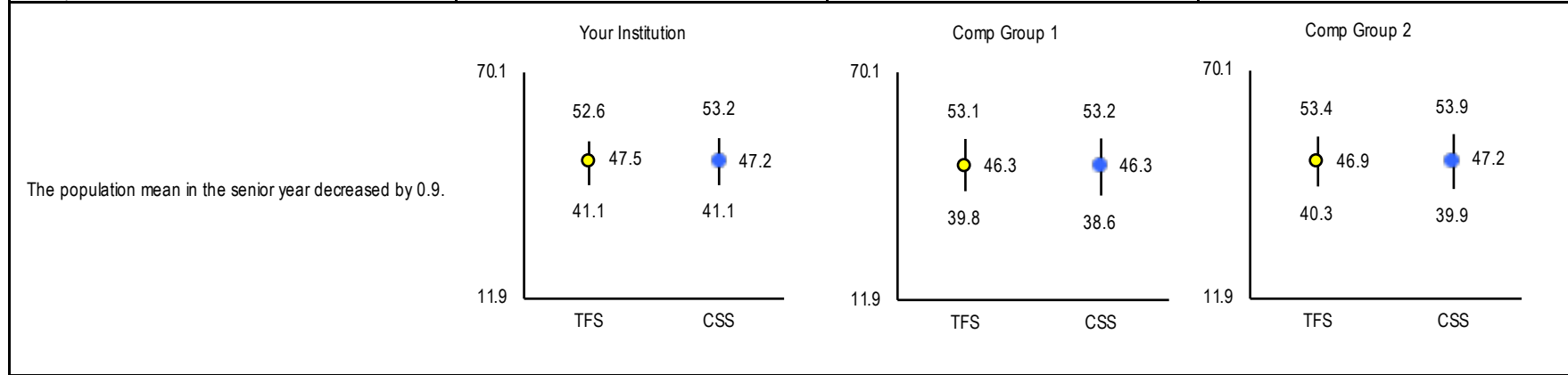
Your Institution			Comp Group 1			Comp Group 2		
TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change



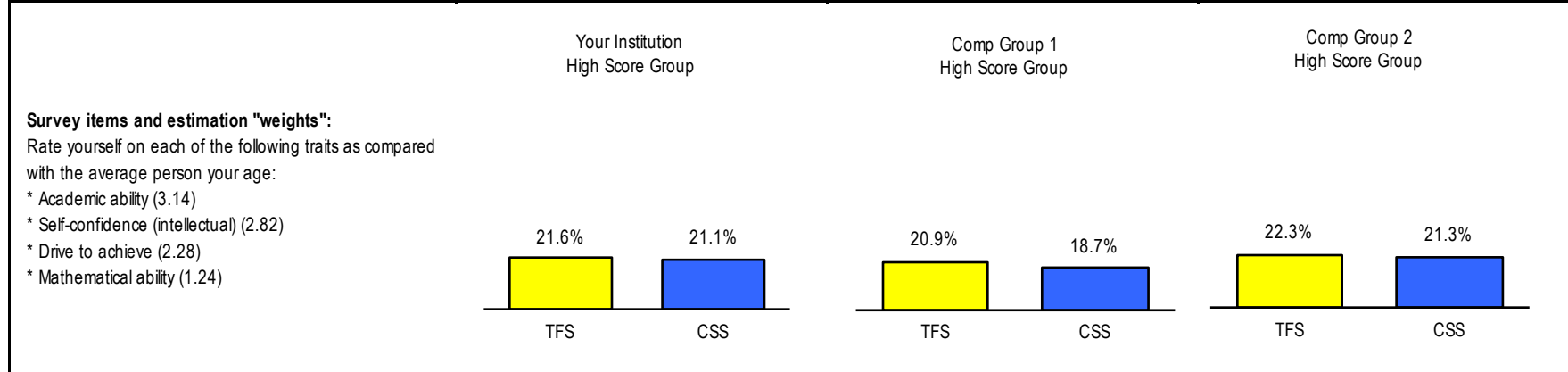


Academic Self-Concept
CIRP Longitudinal Construct Report
All Respondents

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	213	213	-	913	913	-	1,396	1,396	-
Mean	47.5	47.2	-0.3	46.3	46.3	0.0	46.9	47.2	0.2
Standard deviation	9.51	10.28	-	10.26	10.08	-	10.23	10.21	-
Significance	-	-	-	-	-	-	-	-	-
Effect size	-	-0.03	-	-	0.00	-	-	0.02	-
25th percentile	41.1	41.1	0.0	39.8	38.6	-1.2	40.3	39.9	-0.4
75th percentile	52.6	53.2	0.6	53.1	53.2	0.1	53.4	53.9	0.5



Longitudinal Percentage Report	Your Institution			Comp Group 1			Comp Group 2		
Total (n)	213	213	-	913	913	-	1,396	1,396	-
High Construct Score Group	21.6%	21.1%	-0.5%	20.9%	18.7%	-2.2%	22.3%	21.3%	-1.1%
Average Construct Score Group	34.3%	37.1%	2.8%	30.4%	34.6%	4.2%	32.0%	36.0%	4.0%
Low Construct Score Group	44.1%	41.8%	-2.3%	48.6%	46.7%	-2.0%	45.6%	42.7%	-2.9%
Significance (based on High Score Group)	-	-	-	-	-	-	-	-	-





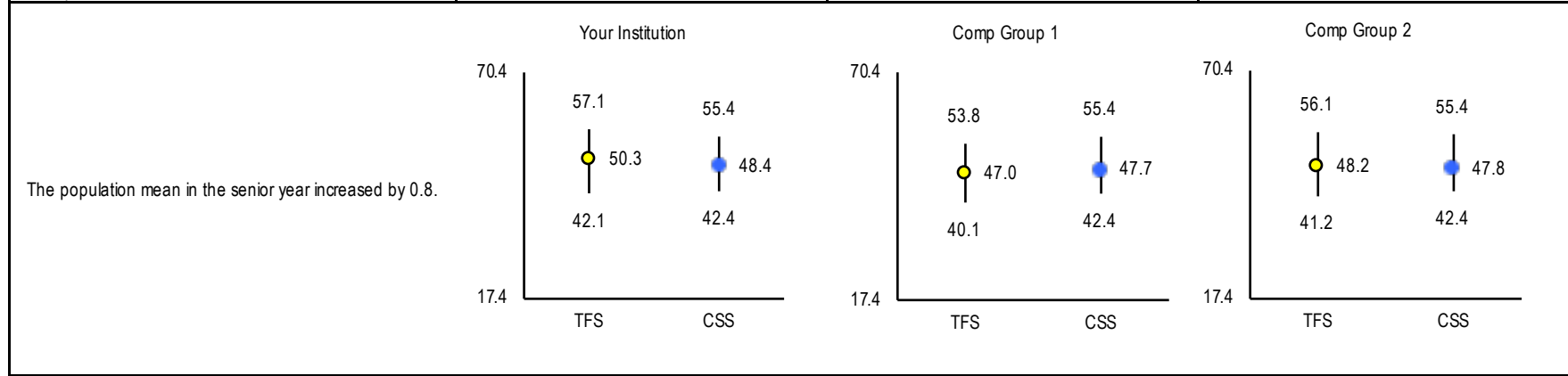
Academic Self-Concept
CIRP Longitudinal Construct Report
All Respondents

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change

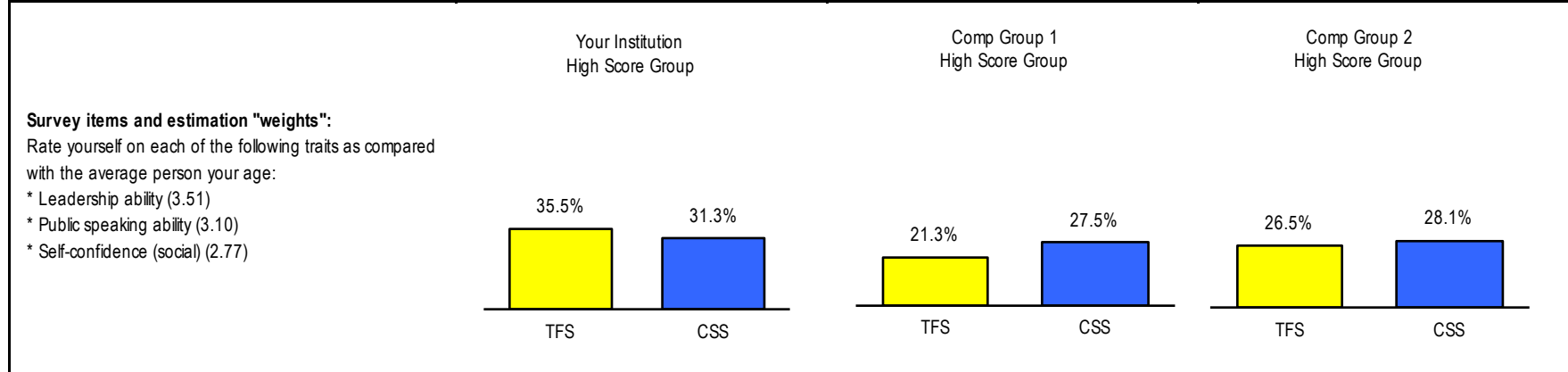


Social Self-Concept
CIRP Longitudinal Construct Report
All Respondents

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	213	213	-	913	913	-	1,397	1,397	-
Mean	50.3	48.4	-1.9	47.0	47.7	0.7	48.2	47.8	-0.4
Standard deviation	10.36	10.28	-	10.01	10.03	-	10.22	9.94	-
Significance	-	-	-	-	-	-	-	-	-
Effect size	-	-0.18	-	-	0.07	-	-	-0.04	-
25th percentile	42.1	42.4	0.3	40.1	42.4	2.3	41.2	42.4	1.2
75th percentile	57.1	55.4	-1.7	53.8	55.4	1.6	56.1	55.4	-0.7



Longitudinal Percentage Report	Your Institution	Comp Group 1	Comp Group 2
Total (n)	214	917	1,402
High Construct Score Group	35.5%	21.3%	26.5%
Average Construct Score Group	36.0%	36.5%	36.4%
Low Construct Score Group	28.5%	42.2%	37.1%
Significance (based on High Score Group)	-	-	-



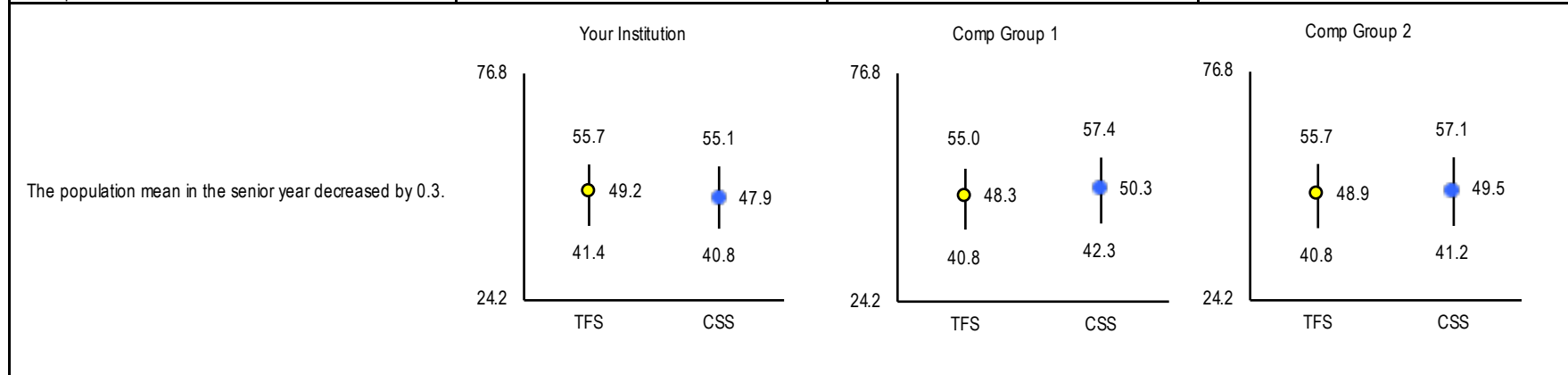


University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change

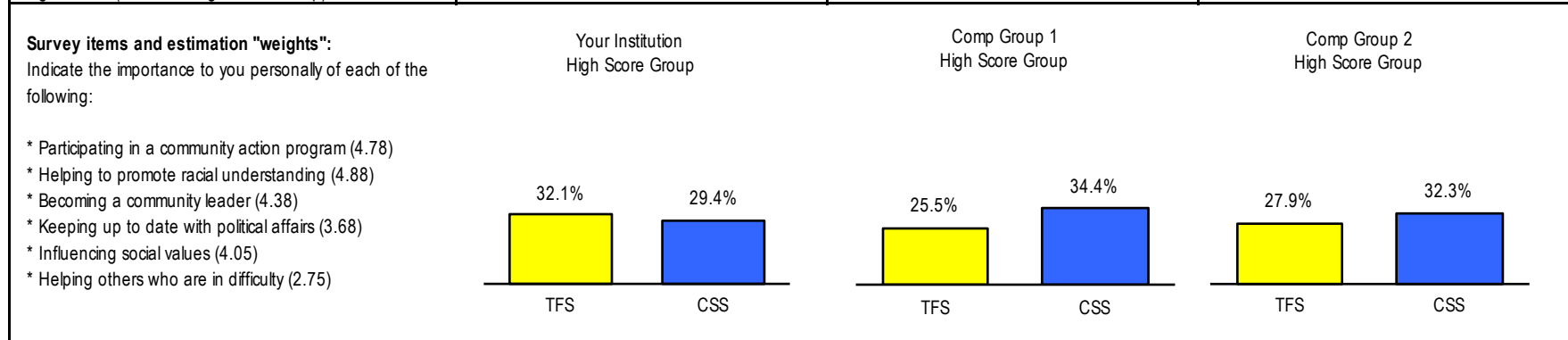


Social Agency
CIRP Longitudinal Construct Report
All Respondents

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	217	217	-	903	903	-	1,395	1,395	-
Mean	49.2	47.9	-1.3	48.3	50.3	2.0	48.9	49.5	0.7
Standard deviation	10.07	10.02	-	10.02	10.33	-	10.29	10.30	-
Significance	-	-	-	-	***	-	-	-	-
Effect size	-	-0.13	-	-	0.19	-	-	0.07	-
25th percentile	41.4	40.8	-0.6	40.8	42.3	1.5	40.8	41.2	0.4
75th percentile	55.7	55.1	-0.6	55.0	57.4	2.4	55.7	57.1	1.4



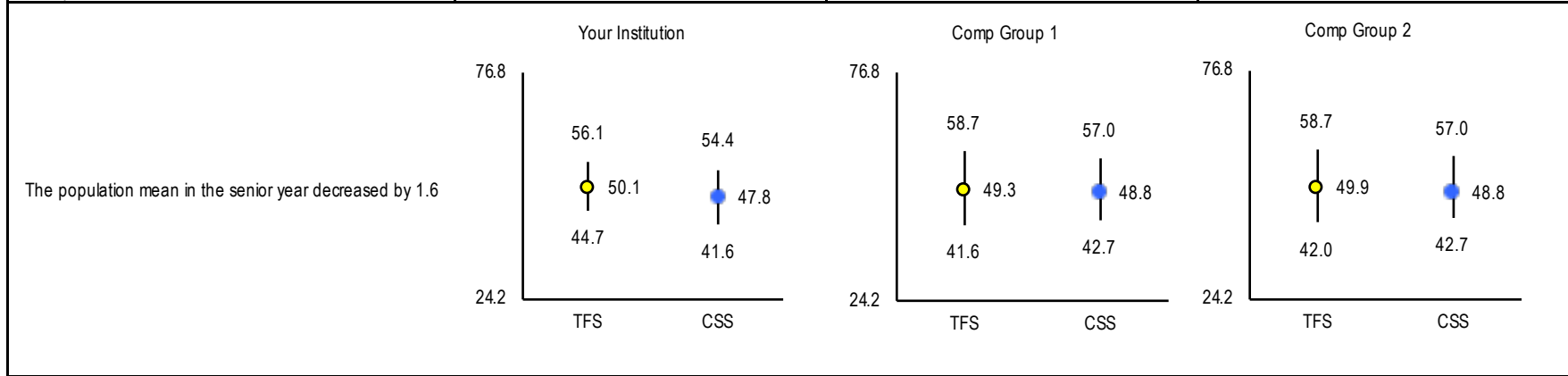
Longitudinal Percentage Report	Your Institution	Comp Group 1	Comp Group 2
Total (n)	218	912	1,405
High Construct Score Group	32.1%	25.5%	27.9%
Average Construct Score Group	31.2%	34.3%	33.8%
Low Construct Score Group	36.7%	40.1%	38.3%
Significance (based on High Score Group)	-	*	-



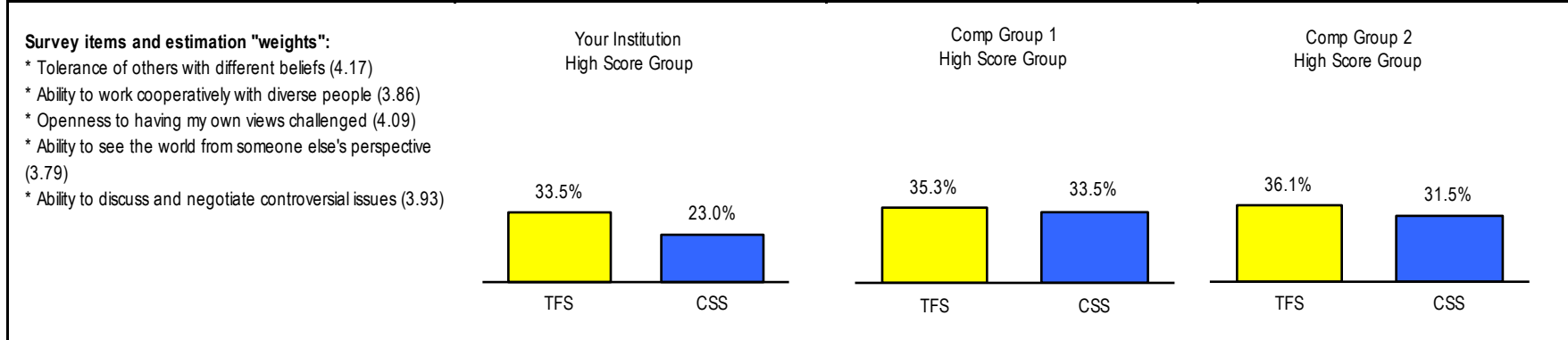


Pluralistic Orientation
CIRP Longitudinal Construct Report
All Respondents

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	234	234	-	962	962	-	1,498	1,498	-
Mean	50.1	47.8	-2.3	49.3	48.8	-0.5	49.9	48.8	-1.1
Standard deviation	9.49	9.72	-	10.87	10.74	-	10.55	10.43	-
Significance	-	**	-	-	-	-	-	**	-
Effect size	-	-0.24	-	-	-0.05	-	-	-0.11	-
25th percentile	44.7	41.6	-3.1	41.6	42.7	1.1	42.0	42.7	0.7
75th percentile	56.1	54.4	-1.7	58.7	57.0	-1.7	58.7	57.0	-1.7



Longitudinal Percentage Report	Your Institution	Comp Group 1	Comp Group 2
Total (n)	248	1,097	1,652
High Construct Score Group	33.5%	35.3%	36.1%
Average Construct Score Group	37.9%	34.3%	32.0%
Low Construct Score Group	28.6%	33.8%	32.0%
Significance (based on High Score Group)	-	-	-





University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change



Habits of Mind
CIRP Longitudinal Construct Report
Men/Trans men

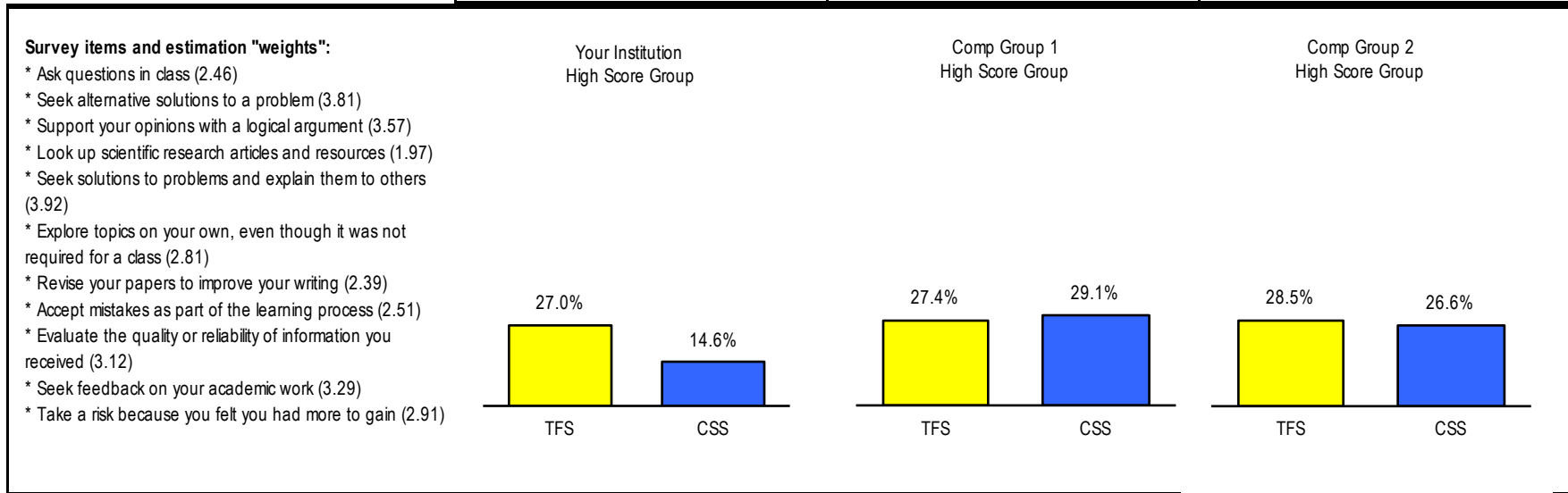
University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	89	89	-	296	296	-	473	473	-
Mean	49.3	43.8	-5.5	47.4	47.9	0.5	48.2	47.3	-0.9
Standard deviation	9.86	9.89	-	10.53	10.06	-	10.48	10.06	-
Significance	-	***	-	-	-	-	-	-	-
Effect size	-	-0.55	-	-	0.05	-	-	-0.09	-
25th percentile	41.6	36.2	-5.4	39.7	42.5	2.8	40.5	40.2	-0.3
75th percentile	58.2	50.0	-8.2	55.2	55.8	0.6	55.7	55.6	-0.1
<p>The population mean in the senior year increased by 0.1.</p>									
Longitudinal Percentage Report									
Total (n)	89	89	-	296	296	-	473	473	-
High Construct Score Group	27.0%	14.6%	-12.4%	27.4%	29.1%	1.7%	28.5%	26.6%	-1.9%
Average Construct Score Group	41.6%	31.5%	-10.1%	36.1%	36.1%	0.0%	36.4%	35.5%	-0.8%
Low Construct Score Group	31.5%	53.9%	22.5%	36.5%	34.8%	-1.7%	35.1%	37.8%	2.7%
Significance (based on High Score Group)	-	-	-	-	-	-	-	-	-



Habits of Mind
CIRP Longitudinal Construct Report
Men/Trans men

University of California-San Diego

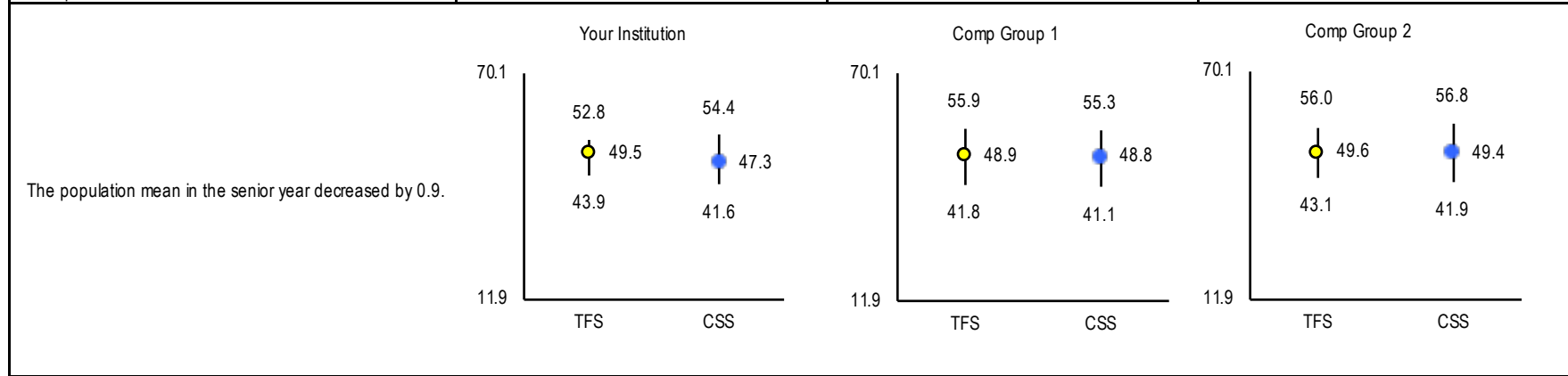
Your Institution			Comp Group 1			Comp Group 2		
TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change



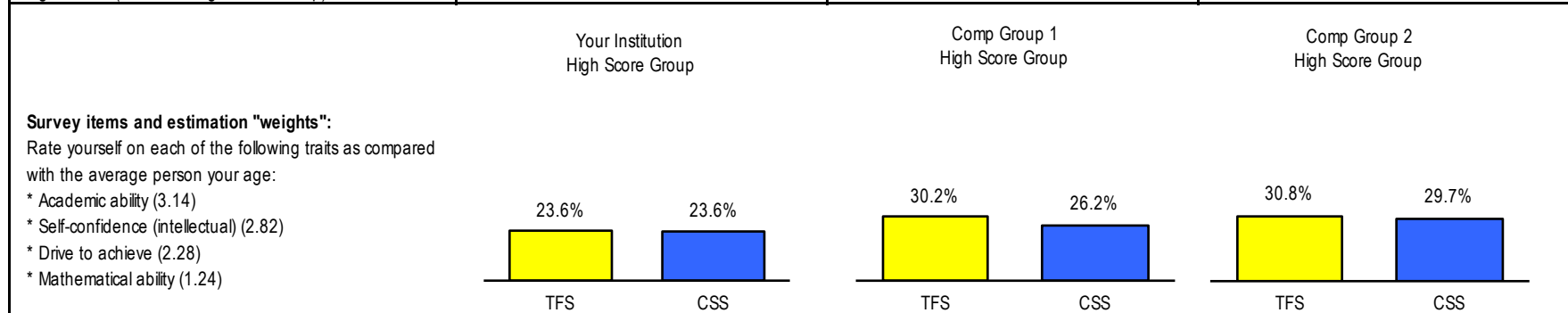


Academic Self-Concept
CIRP Longitudinal Construct Report
Men/Trans men

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	72	72	-	275	275	-	438	438	-
Mean	49.5	47.3	-2.2	48.9	48.8	0.0	49.6	49.4	-0.2
Standard deviation	8.75	10.43	-	10.00	10.01	-	9.78	10.35	-
Significance	-	-	-	-	-	-	-	-	-
Effect size	-	-0.21	-	-	0.00	-	-	-0.02	-
25th percentile	43.9	41.6	-2.3	41.8	41.1	-0.7	43.1	41.9	-1.2
75th percentile	52.8	54.4	1.6	55.9	55.3	-0.6	56.0	56.8	0.8



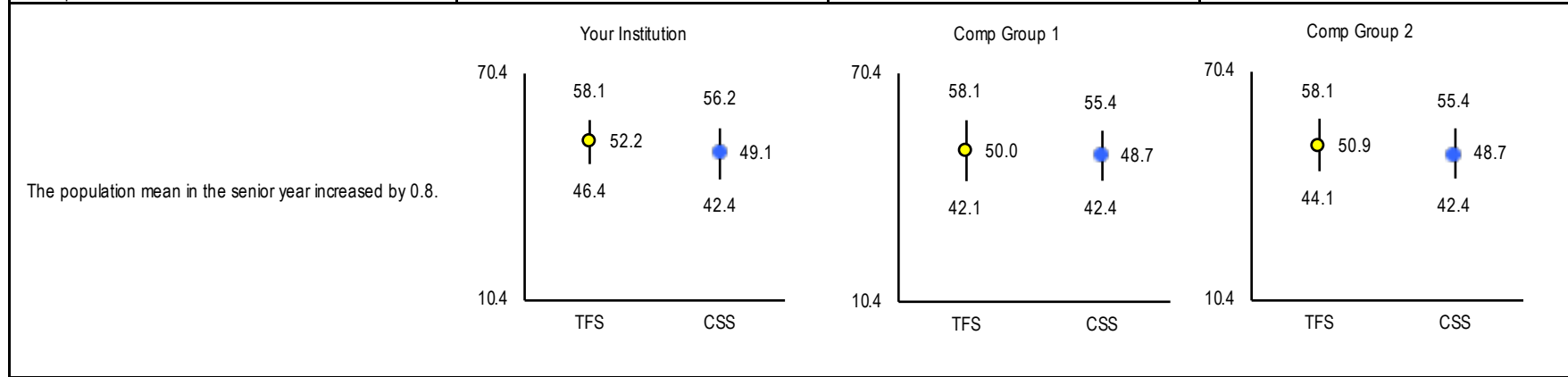
Longitudinal Percentage Report	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Total (n)	72	72	-	275	275	-	438	438	-
High Construct Score Group	23.6%	23.6%	0.0%	30.2%	26.2%	-4.0%	30.8%	29.7%	-1.1%
Average Construct Score Group	47.2%	38.9%	-8.3%	32.4%	37.8%	5.5%	35.4%	37.2%	1.8%
Low Construct Score Group	29.2%	37.5%	8.3%	37.5%	36.0%	-1.5%	33.8%	33.1%	-0.7%
Significance (based on High Score Group)	-	-	-	-	-	-	-	-	-



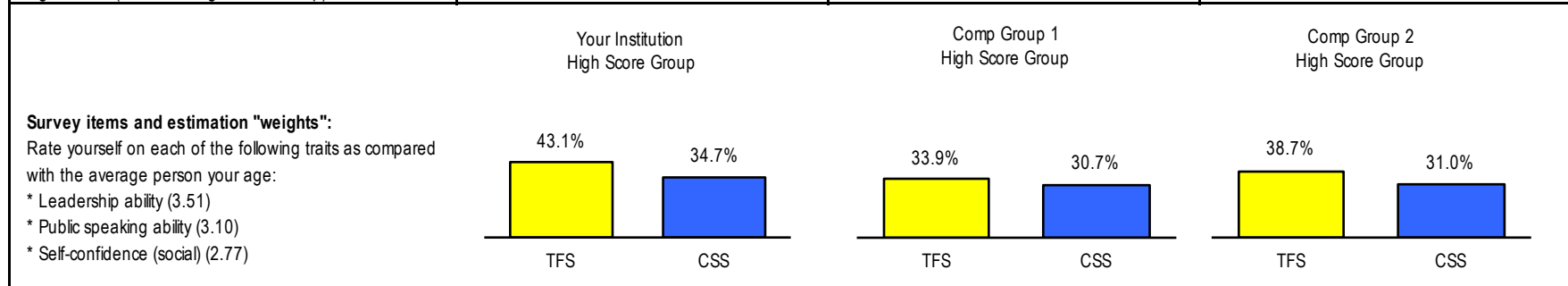


Social Self-Concept
CIRP Longitudinal Construct Report
Men/Trans men

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	71	71	-	277	277	-	441	441	-
Mean	52.2	49.1	-3.1	50.0	48.7	-1.3	50.9	48.7	-2.3
Standard deviation	9.96	10.41	-	9.96	9.55	-	10.02	9.78	-
Significance	-	-	-	-	-	-	-	***	-
Effect size	-	-0.30	-	-	-0.13	-	-	-0.23	-
25th percentile	46.4	42.4	-4.0	42.1	42.4	0.3	44.1	42.4	-1.7
75th percentile	58.1	56.2	-1.9	58.1	55.4	-2.7	58.1	55.4	-2.7



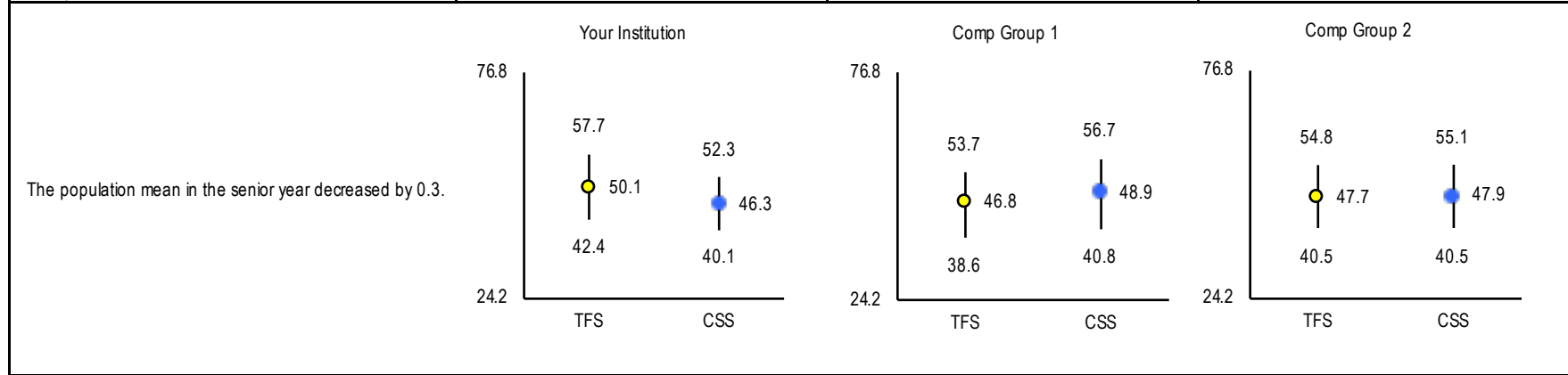
Longitudinal Percentage Report	Your Institution	Comp Group 1	Comp Group 2
Total (n)	72	280	445
High Construct Score Group	43.1%	33.9%	38.7%
Average Construct Score Group	38.9%	33.9%	34.8%
Low Construct Score Group	18.1%	32.1%	26.5%
Significance (based on High Score Group)	-	-	-



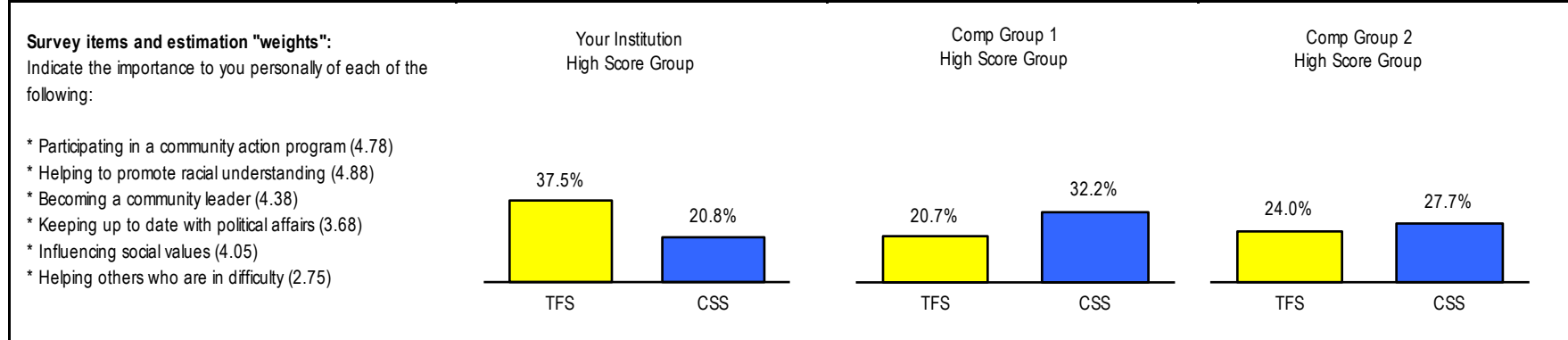


Social Agency
CIRP Longitudinal Construct Report
Men/Trans men

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	72	72	-	268	268	-	431	431	-
Mean	50.1	46.3	-3.8	46.8	48.9	2.1	47.7	47.9	0.2
Standard deviation	11.01	9.31	-	10.36	10.76	-	10.67	10.42	-
Significance	-	*	-	-	*	-	-	-	-
Effect size	-	-0.40	-	-	0.20	-	-	0.02	-
25th percentile	42.4	40.1	-2.3	38.6	40.8	2.2	40.5	40.5	0.0
75th percentile	57.7	52.3	-5.4	53.7	56.7	3.0	54.8	55.1	0.3



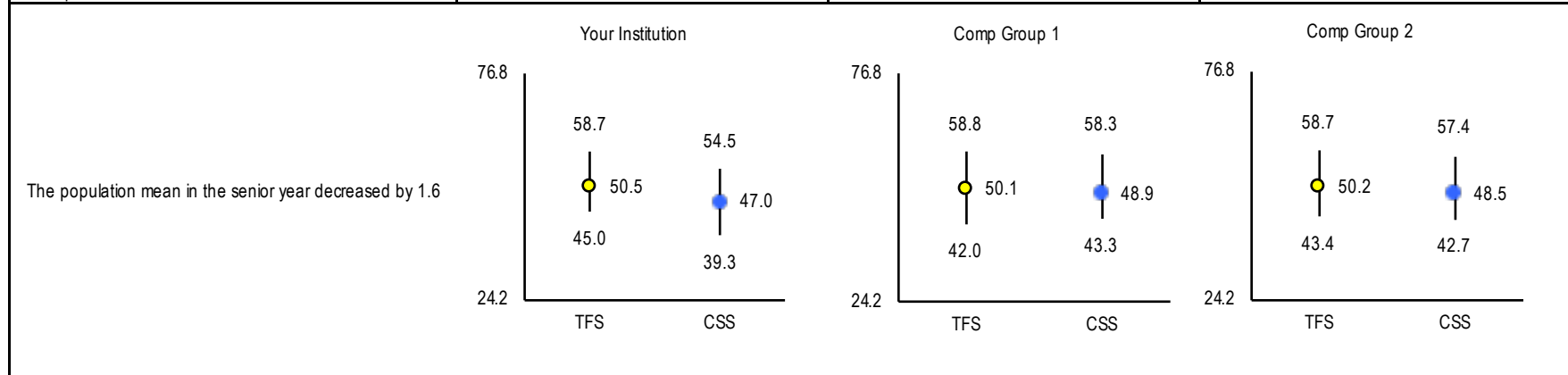
Longitudinal Percentage Report	Your Institution			Comp Group 1			Comp Group 2		
Total (n)	72	72	-	270	270	-	433	433	-
High Construct Score Group	37.5%	20.8%	-16.7%	20.7%	32.2%	11.5%	24.0%	27.7%	3.7%
Average Construct Score Group	25.0%	36.1%	11.1%	35.6%	29.6%	-5.9%	34.4%	30.9%	-3.5%
Low Construct Score Group	37.5%	43.1%	5.6%	43.7%	38.1%	-5.6%	41.6%	41.3%	-0.2%
Significance (based on High Score Group)	-	-	-	-	-	-	-	-	-



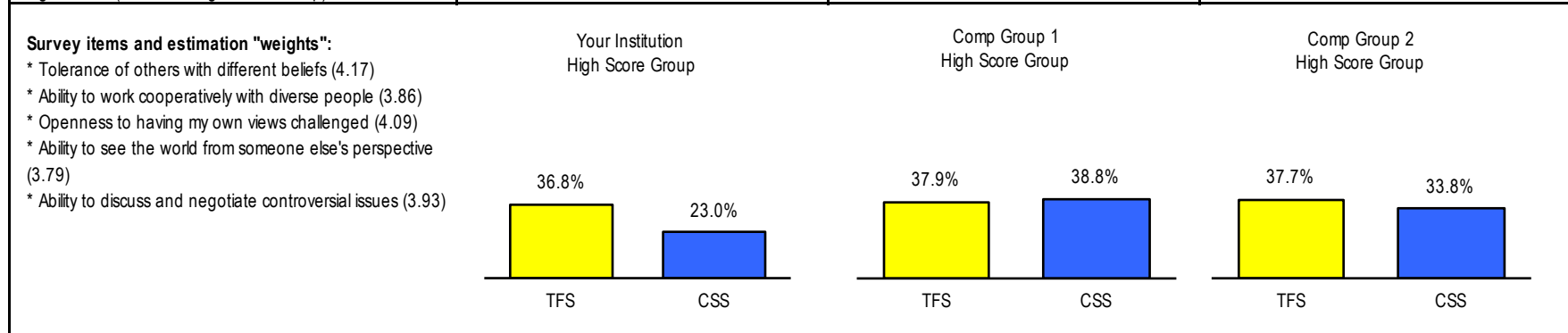


Pluralistic Orientation
CIRP Longitudinal Construct Report
Men/Trans men

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	81	81	-	268	268	-	456	456	-
Mean	50.5	47.0	-3.6	50.1	48.9	-1.2	50.2	48.5	-1.7
Standard deviation	9.87	10.58	-	10.56	11.96	-	10.35	11.31	-
Significance	-	*	-	-	*	-	-	*	-
Effect size	-	-0.34	-	-	-0.10	-	-	-0.15	-
25th percentile	45.0	39.3	-5.7	42.0	43.3	1.3	43.4	42.7	-0.7
75th percentile	58.7	54.5	-4.2	58.8	58.3	-0.5	58.7	57.4	-1.3



Longitudinal Percentage Report			
Total (n)	87	87	-
High Construct Score Group	36.8%	23.0%	-13.8%
Average Construct Score Group	39.1%	42.5%	3.4%
Low Construct Score Group	24.1%	34.5%	10.3%
Significance (based on High Score Group)	-	-	-





Habits of Mind
CIRP Longitudinal Construct Report
Women/Trans women

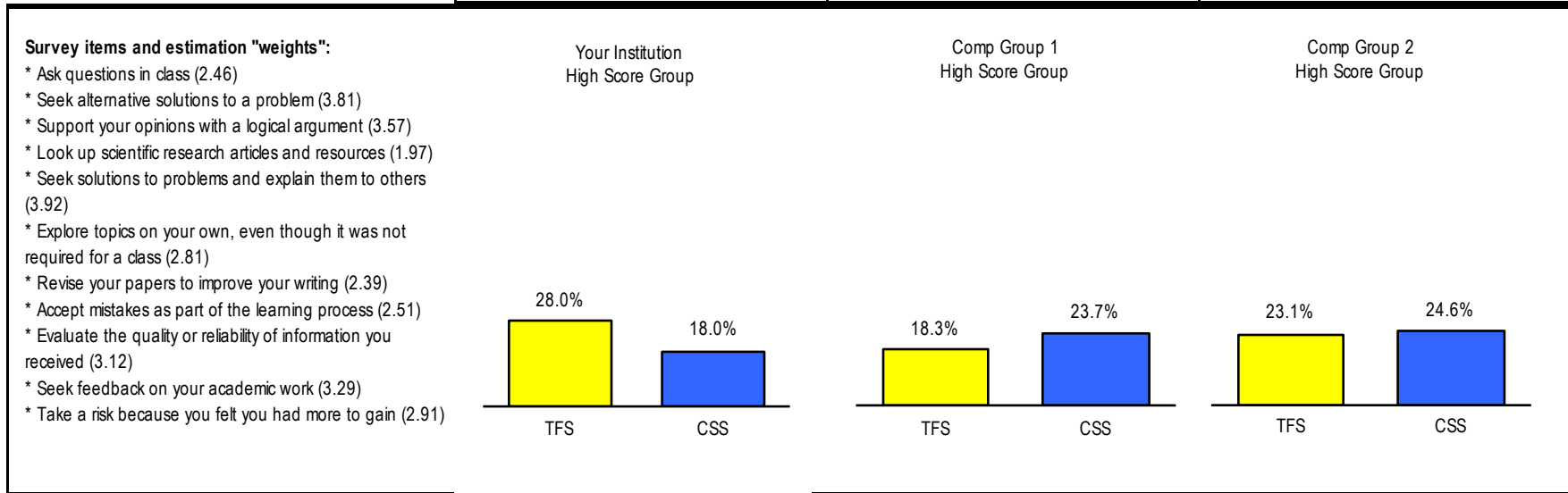
University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	161	161	-	646	646	-	956	956	-
Mean	48.7	44.7	-4.0	44.9	47.0	2.1	46.4	47.0	0.6
Standard deviation	9.92	10.11	-	10.23	9.65	-	10.56	9.90	-
Significance	-	***	-	-	***	-	-	-	-
Effect size	-	-0.40	-	-	0.22	-	-	0.06	-
25th percentile	42.6	37.6	-5.0	37.1	39.6	2.5	38.6	39.5	0.9
75th percentile	56.6	52.6	-4.0	52.2	53.7	1.5	54.3	54.0	-0.3
<p>The population mean in the senior year increased by 0.1.</p>									
Longitudinal Percentage Report									
Total (n)	161	161	-	646	646	-	956	956	-
High Construct Score Group	28.0%	18.0%	-9.9%	18.3%	23.7%	5.4%	23.1%	24.6%	1.5%
Average Construct Score Group	39.8%	29.2%	-10.6%	33.3%	38.2%	5.0%	33.6%	35.9%	2.3%
Low Construct Score Group	32.3%	52.8%	20.5%	48.5%	38.1%	-10.4%	43.3%	39.5%	-3.8%
Significance (based on High Score Group)	-	-	-	-	-	-	-	-	-



Habits of Mind
CIRP Longitudinal Construct Report
Women/Trans women

University of California-San Diego

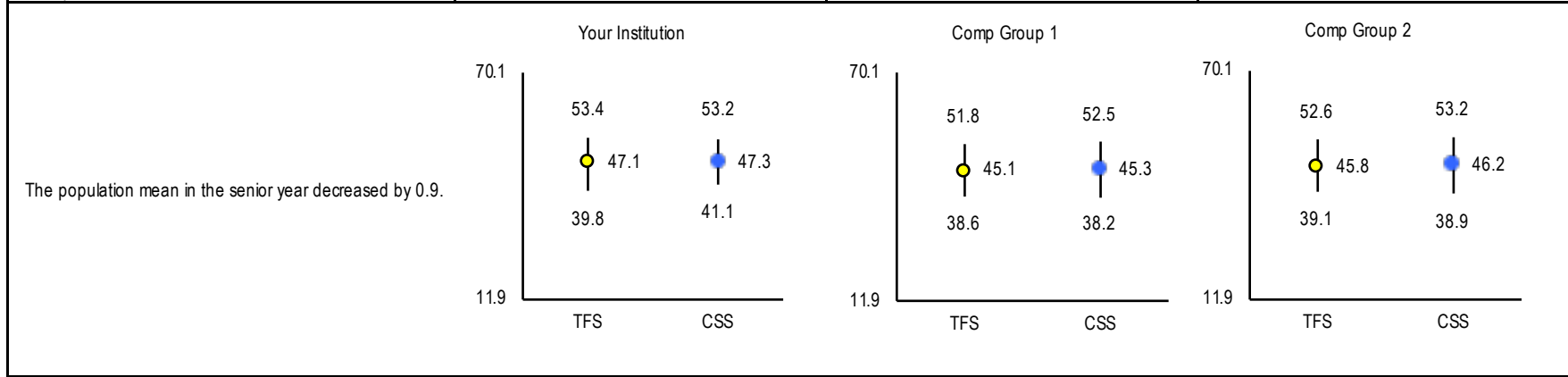
Your Institution			Comp Group 1			Comp Group 2		
TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change



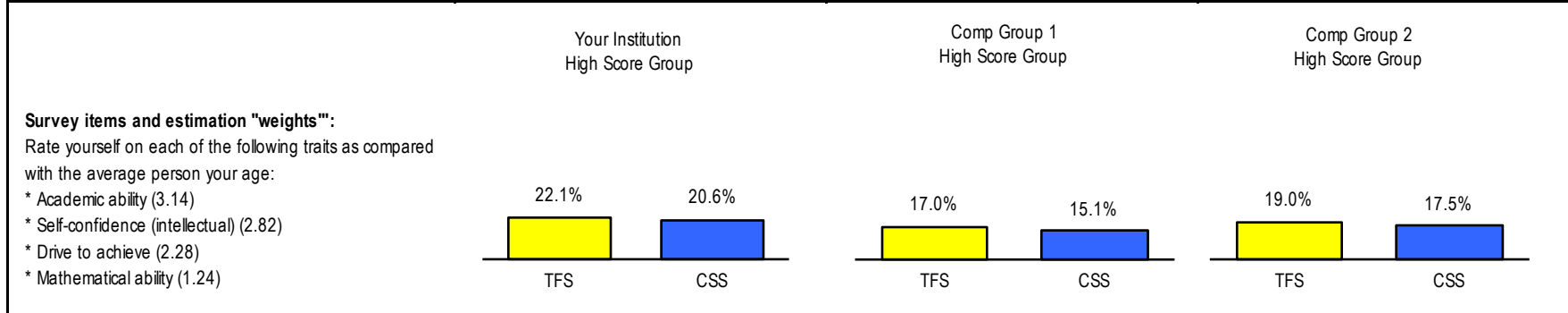


Academic Self-Concept
CIRP Longitudinal Construct Report
Women/Trans women

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	131	131	-	577	577	-	878	878	-
Mean	47.1	47.3	0.2	45.1	45.3	0.1	45.8	46.2	0.4
Standard deviation	9.65	10.11	-	10.30	9.89	-	10.29	9.96	-
Significance	-	-	-	-	-	-	-	-	-
Effect size	-	0.02	-	-	0.01	-	-	0.04	-
25th percentile	39.8	41.1	1.3	38.6	38.2	-0.4	39.1	38.9	-0.2
75th percentile	53.4	53.2	-0.2	51.8	52.5	0.7	52.6	53.2	0.6



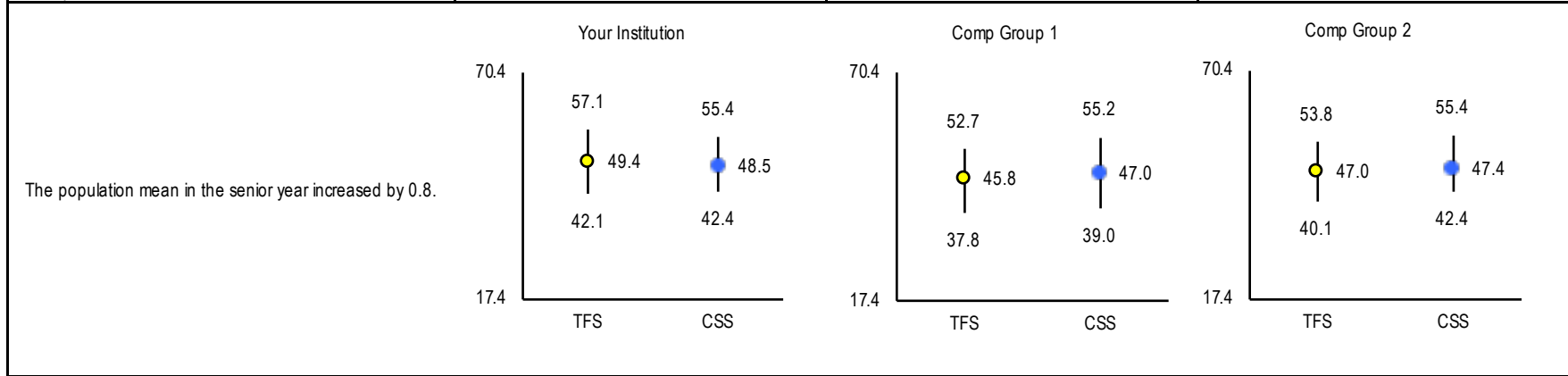
Longitudinal Percentage Report									
Total (n)	131	131	-	577	577	-	878	878	-
High Construct Score Group	22.1%	20.6%	-1.5%	17.0%	15.1%	-1.9%	19.0%	17.5%	-1.5%
Average Construct Score Group	28.2%	35.9%	7.6%	29.1%	35.0%	5.9%	30.2%	36.4%	6.3%
Low Construct Score Group	49.6%	43.5%	-6.1%	53.9%	49.9%	-4.0%	50.8%	46.0%	-4.8%
Significance (based on High Score Group)	-	-	-	-	-	-	-	-	-



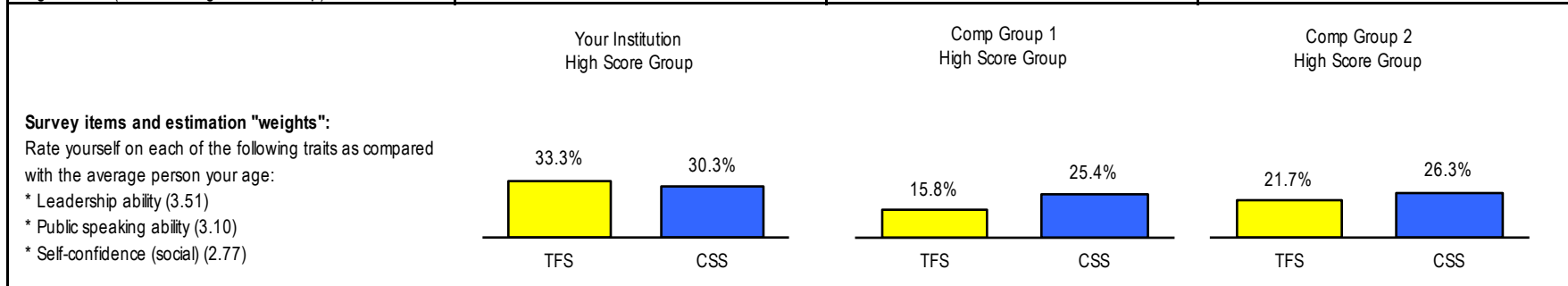


Social Self-Concept
CIRP Longitudinal Construct Report
Women/Trans women

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	132	132	-	574	574	-	875	875	-
Mean	49.4	48.5	-0.9	45.8	47.0	1.3	47.0	47.4	0.3
Standard deviation	10.65	9.73	-	9.77	10.40	-	10.14	10.05	-
Significance	-	-	-	-	*	-	-	-	-
Effect size	-	-0.09	-	-	0.12	-	-	0.03	-
25th percentile	42.1	42.4	0.3	37.8	39.0	1.2	40.1	42.4	2.3
75th percentile	57.1	55.4	-1.7	52.7	55.2	2.5	53.8	55.4	1.6



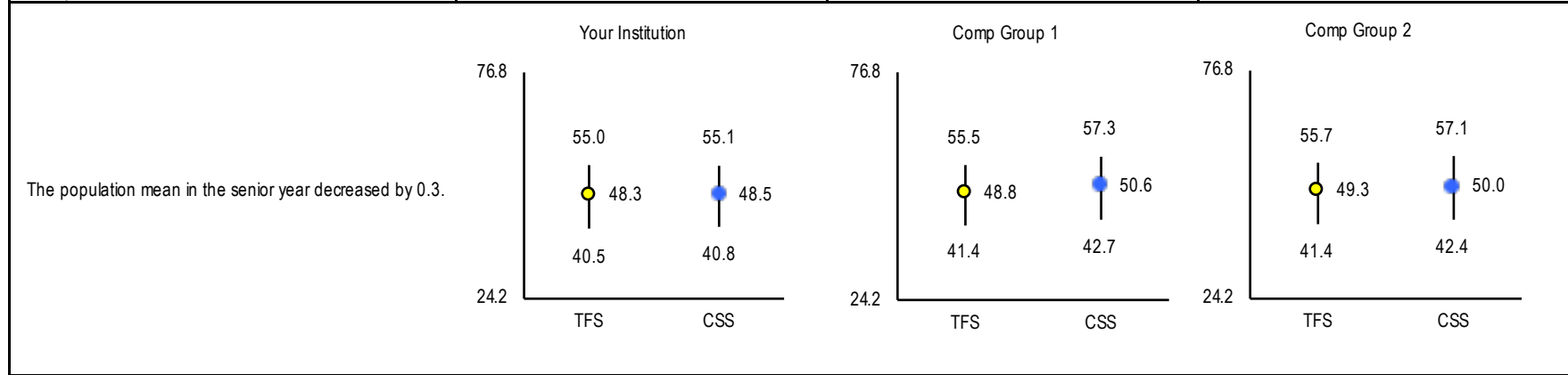
Longitudinal Percentage Report	Your Institution			Comp Group 1			Comp Group 2		
Total (n)	132	132	-	575	575	-	876	876	-
High Construct Score Group	33.3%	30.3%	-3.0%	15.8%	25.4%	9.6%	21.7%	26.3%	4.6%
Average Construct Score Group	31.8%	31.8%	0.0%	37.9%	30.6%	-7.3%	36.3%	31.4%	-4.9%
Low Construct Score Group	34.8%	37.9%	3.0%	46.3%	44.0%	-2.3%	42.0%	42.4%	0.3%
Significance (based on High Score Group)	-	-	-	-	-	-	-	-	-



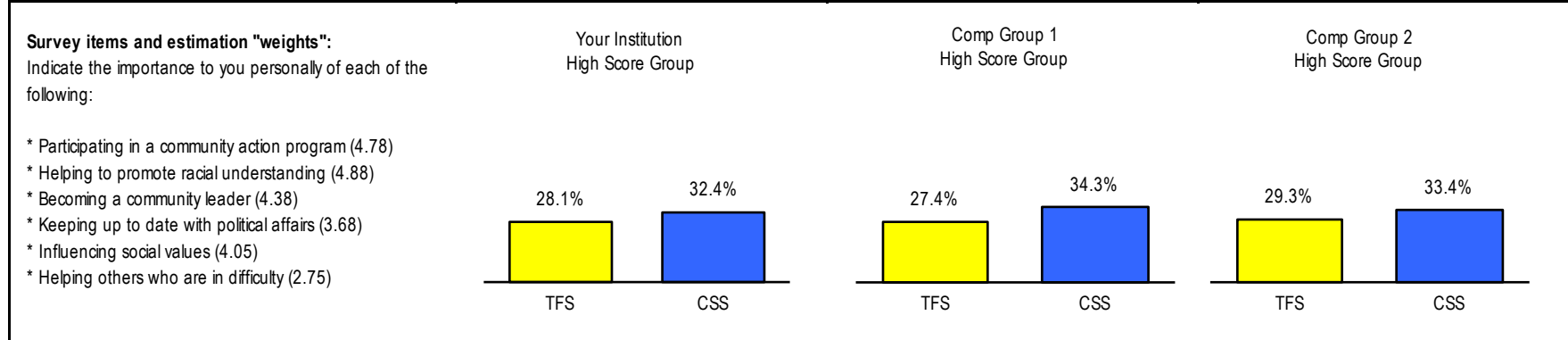


Social Agency
CIRP Longitudinal Construct Report
Women/Trans women

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	138	138	-	574	574	-	887	887	-
Mean	48.3	48.5	0.2	48.8	50.6	1.8	49.3	50.0	0.8
Standard deviation	9.27	10.12	-	9.79	10.08	-	10.07	10.15	-
Significance	-	-	-	-	**	-	-	-	-
Effect size	-	0.02	-	-	0.17	-	-	0.08	-
25th percentile	40.5	40.8	0.3	41.4	42.7	1.3	41.4	42.4	1.0
75th percentile	55.0	55.1	0.1	55.5	57.3	1.8	55.7	57.1	1.4



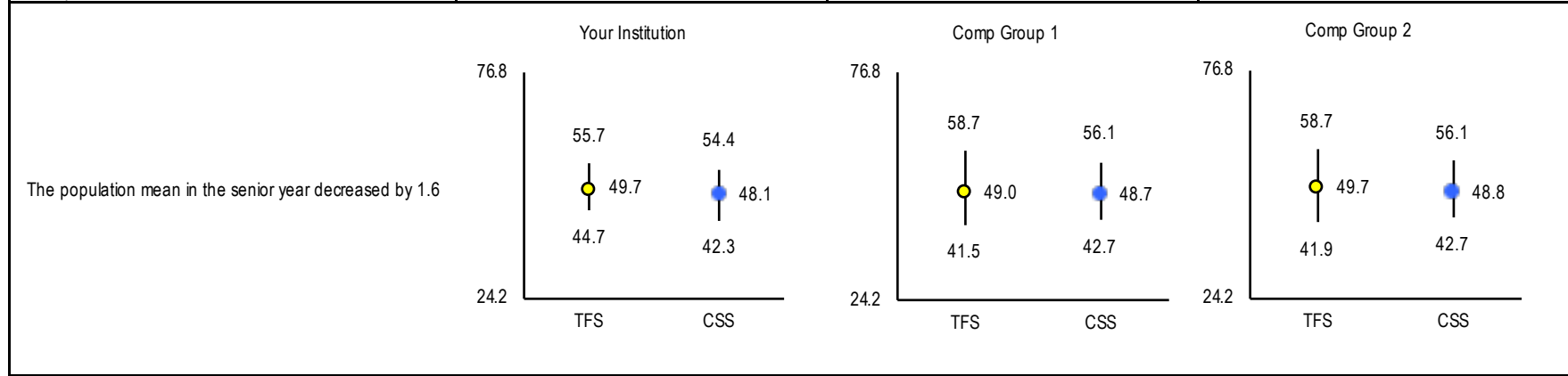
Longitudinal Percentage Report	Your Institution	Comp Group 1	Comp Group 2
Total (n)	139	580	894
High Construct Score Group	28.1%	27.4%	29.3%
Average Construct Score Group	34.5%	33.3%	33.4%
Low Construct Score Group	37.4%	39.3%	37.2%
Significance (based on High Score Group)	-	-	-





Pluralistic Orientation
CIRP Longitudinal Construct Report
Women/Trans women

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
Longitudinal Mean Report									
Total (n)	144	144	-	632	632	-	962	962	-
Mean	49.7	48.1	-1.6	49.0	48.7	-0.3	49.7	48.8	-0.9
Standard deviation	9.24	9.03	-	10.99	10.22	-	10.61	9.95	-
Significance	-	-	-	-	-	-	-	*	-
Effect size	-	-0.18	-	-	-0.03	-	-	-0.09	-
25th percentile	44.7	42.3	-2.4	41.5	42.7	1.2	41.9	42.7	0.8
75th percentile	55.7	54.4	-1.3	58.7	56.1	-2.6	58.7	56.1	-2.6



Longitudinal Percentage Report			
Total (n)	151	151	-
High Construct Score Group	30.5%	22.5%	-7.9%
Average Construct Score Group	37.7%	44.4%	6.6%
Low Construct Score Group	31.8%	33.1%	1.3%
Significance (based on High Score Group)	-	-	-

