

2021 Your First College Year Survey

CIRP Longitudinal Construct Reports

University of California-San Diego

Comparison group 1: All Public & Private 4yr Colleges Comparison group 2: All Baccalaureate Institutions



2021 Your First College Year Survey CIRP Longitudinal Construct Reports

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Mean - The arithmetic mean is computed for each CIRP Construct. The CIRP Freshman Survey Constructs and the non-Iongitudinal YFCY Constructs have been scaled to a mean of 50 and a standard deviation of 10. The longitudinal YFCY 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 Yaxis 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 ttest to examine the difference between the mean construct score on the CIRP Freshman Survey and YFCY. 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.

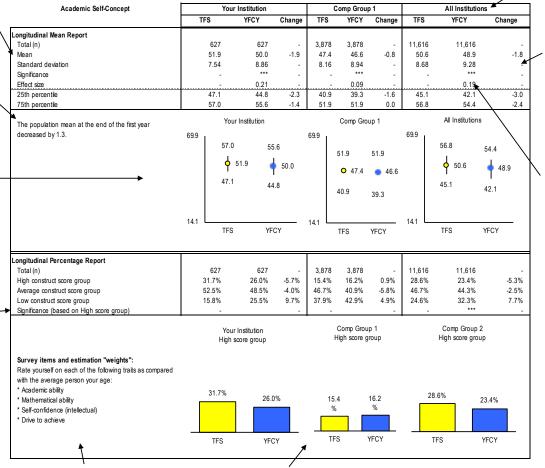
The scores for the longitudinal CIRP Constructs were derived using Item Response Theory (IRT) methods specifically designed to measure withinperson change. This allows institutions to measure change in their student population over time and to compare the change in their student population to that of 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 Group - The comparison group is comprised of all participating Institutions.

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 YFCY. It is calculated by dividing the mean differences between the TFS and the YFCY by the standard deviation of the YFCY. 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 YFCY is greater than the TFS: a negative sign indicates that the construct score of the YFCY 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

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Habits of Mind CIRP Longitudinal Construct Report

		our Institution		1	Comp Group 1			Comp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
Longitudinal Mean Report	•		g-	•		- Ciliange	•		ge
Total (n)	731	731	_	512	512	_	1,243	1,243	_
Mean	50.0	49.6	-0.4	49.9	50.4	0.5	50.0	50.0	0.0
Standard deviation	8.03	8.91	-0.4	8.75	9.39	-	8.33	9.12	0.0
Significance	-	0.01	_	-	0.00	_	-	0.12	_
Effect size	_	-0.04	_	_	0.06	_	_	0.00	_
25th percentile	44.4	43.6	-0.8	44.1	44.5	0.4	44.3	43.9	-0.4
75th percentile	55.2	56.2	1.0	56.3	57.4	1.1	55.8	57.1	1.3
The population mean at the end of the first year decreased by									
0.4	Y	our Institution		(Comp Group 1		A	I Institutions	
	75.0			75.0			75.0		
						57.4			- 4
	55	5.2	56.2	٥	66.3	57.4	55	.8 5	7.1
		l	1		4 9.9	5 0.4		L 500	1 500
		50.0	9.6		49.9	30.4		50.0	50.0
	44	1.4	13.6	4	4.1	44.5	44	3 4	3.9
	44	·. ·· 4	13.0				""	.5 4,	5.9
	15.0			15.0			15.0		
	15.0TF	- Q V	FCY	٦	TFS	YFCY	15.0TF	S YE	CY
		0 1	101						•
Longitudinal Percentage Report									
Total (n)	731	731	-	512	512	-	1,243	1,243	-
High construct score group	26.0%	27.2%	1.2%	28.7%	32.2%	3.5%	27.1%	29.3%	2.2%
Average construct score group	47.6%	42.4%	-5.2%	43.6%	42.0%	-1.6%	45.9%	42.2%	-3.7%
Low construct score group	26.4%	30.4%	4.0%	27.7%	25.8%	-2.0%	27.0%	28.5%	1.5%
Significance (based on high score group)	-		-	-		-	-		-
	Vo	our Institution		(Comp Group 1		А	II Institutions	
Survey items and estimation "weights":		h score group			gh score group			h score group	
How often in the past year did you:	1119	ii soore group					ŭ	0 1	
* Support your opinions with a logical argument (2.28)									
* Seek solutions to problems and explain them to others (2.20)	00.00/	27	.2%	28.7%	, h	32.2%	27.1%	29.	3%
* Look up scientific research articles and resources (1.48)	26.0%		.∠ /0	25.7 %			21.1%		
* Explore topics on your own, even though it was not required for									
a class (1.81)									
* Accept mistakes as part of the learning process (0.89)	TFS	YF	CY	TFS		YFCY	TFS	YF	CY

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Pluralistic Orientation CIRP Longitudinal Construct Report

		Your Institution			Comp Grou	1	Comp Group 2			
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change	
Longitudinal Mean Report										
Total (n)	691	691	-	47) 47	0 -	1,10	61 1,16	1	
Mean	53.9	52.7	-1.1	54.	5 54.	4 -0.1	54	.1 53.	4 -0.7	
Standard deviation	9.29	10.02	_	8.7			9.0			
Significance	-	*	-		-	-		-		
Effect size	-	-0.11	-		0.0	1 -		0.0	7	
25th percentile	47.7	46.4	-1.3	48.			48			
75th percentile	60.7	59.4	-1.3	61.			60	.8 60.		
The population mean at the end of the first year decreased by							-			
1.1	,	Your Institution			Comp Group	1		All Institutions		
	72.7	0.7	59.4	72.7	61.0	62.0	72.7	60.8	60.6	
		53.9	1 50.7		O 54.5	5 4.4		54.1	53.4	
		Υ	† 52.7		00	• • • • • • • • • • • • • • • • • • • •		1 *	T 00.4	
	4	7.7	46.4		48.9	47.3		48.3	47.0	
	10.3 L	FS Y	FCY	10.3	TFS	YFCY	10.3	TFS	YFCY	
ongitudinal Percentage Report										
Total (n)	691	691	-	47			1,10			
High construct score group	45.4%	40.2%	-5.2%	47.79			46.3			
Average construct score group	36.9%	39.5%	2.6%	38.5%			37.6			
Low construct score group	17.7%	20.3%	2.6%	13.89	17.49	3.6%	16.1	% 19.1%	6 3.09	
Significance (based on high score group)	-		-		-	-		-		
	Y	our Institution			Comp Group			All Institutions		
Survey items and estimation "weights":	Hiç	gh score group			High score grou	ıb		High score group		
How would you rate yourself in the following areas:				4-	70/					
* Ability to discuss and negotiate controversial issues (2.57)	45.4%	40	0.2%	4	7.7%	43.4%	46.	3%	41.5%	
* Ability to see the world from someone else's perspective (2.43)										
* Ability to work cooperatively with diverse people (2.74)										
* Openness to having my own views challenged (2.44)										
* Tolerance of others with different beliefs (3.01)	TFS	YF	-CY		FS	YFCY	T	FS	YFCY	
	•	• • • • • • • • • • • • • • • • • • • •	-		-			-		

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Social Agency CIRP Longitudinal Construct Report

					respondent		_		
		our Institution			Comp Group 1			omp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	626	626	-	410	410	-	1,036	1,036	
Mean	53.6	52.5	-1.1	56.7	56.7	0.0	54.8	54.2	-0.
Standard deviation	10.01	10.83	-	9.07	10.58	-	9.76	10.92	
Significance	-		-	-		-	-		
Effect size	-	-0.10	-	-	0.00	-	-	-0.06	
25th percentile	46.4	45.3	-1.1	50.6	48.7	-1.9	47.7	46.8	-0
75th percentile	60.3	59.3	-1.0	63.8	63.2	-0.6	61.6	60.6	-1
The population mean at the end of the first year decreased by 1.1	Y	our Institution		C	Comp Group 1		All Ir	nstitutions	
	80.0			80.0			80.0		
					3.8	C2 0			
	60).3	59.3	0,	0.0	63.2	61.6	60	.6
			1		5 6 7	5 5 6 7	1 1		
	(53.6	52.5		5 56.7	5 6.7	9	54.8	54.2
			1	50	0.6		'		l
	46	5.4	15.3	30	7.0	48.7	47.7	46	.8
	20.0	-0 \	/FOV	20.0			20.0	\/ <u></u>	0)/
	TF	-5 Y	FCY	ı	FS	YFCY	TFS	YF	CY
							T		
ongitudinal Percentage Report									
Total (n)	626	626	-	410	410	-	1,036	1,036	
High construct score group	45.4%	42.0%	-3.4%	54.9%	53.7%	-1.2%	49.1%	46.6%	-2.5
Average construct score group	35.3%	34.0%	-1.3%	34.1%	35.1%	1.0%	34.8%	34.5%	-0.4
Low construct score group	19.3%	24.0%	4.6%	11.0%	11.2%	0.2%	16.0%	18.9%	2.9
Significance (based on high score group)	-		-	-		-	-		
O and the second and and and and and and and and and a	Va	our Institution		С	omp Group 1		All Ir	nstitutions	
Survey items and estimation "weights":		h score group			h score group			core group	
Indicate the importance to you personally of each of the	riig	ii scole gloup		· ·			9 5	J. J. J.	
following:				E4.00/		50.70/			
* Influencing social values (1.78)	45.4%			54.9%		53.7%	49.1%	46.6	3%
* Helping others who are in difficulty (1.71)	45.4%	42	.0%					1	
* Participating in a community action program (2.86)									
* Helping to promote racial understanding (2.77)									
* Keeping up to date with political affairs (2.15)									
* Becoming a community leader (2.65)									
	TFS	YF	-CY	TFS		YFCY	TFS	YF(CY

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ı					•			Comp Group 2	
		Your Institution			Comp Group 1				
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
Longitudinal Mean Report									
Total (n)	701	701	-	485	485	-	1,186	1,186	
Mean	49.3	46.0	-3.2	48.8	46.8	-2.0	49.1	46.3	-2.7
Standard deviation	8.82	9.99	-	8.68	9.69	-	8.76	9.87	
Significance	-	***	-	-	***	-	-	***	
Effect size	-	-0.32	-	-	-0.21	-	-	-0.28	
25th percentile	44.4	39.0	-5.4	43.1	39.3	-3.8	43.8	39.0	-4.8
75th percentile	54.8	51.3	-3.5	54.6	52.3	-2.3	54.8	51.7	-3.
The population mean at the end of the first year decreased by									
3.2	``	Your Institution		1	Comp Group 1		A	II Institutions	
	69.9			69.9			69.9		
		4.8			-4.0		54	Q	
] 3.	4.0	51.3	٦	54.6	52.3	34	5	1.7
	، ا	49.3	1		O 48.8			49.1	1
		Υ -10.0	46.0		40.0	9 46.8		1 40.1	46.3
	44	4.4	1		13.1		43	.8	I
		;	39.0	"	+3.1	39.3		39	9.0
	13.6			13.6			13.6		
	1	FS Y	FCY		TFS	YFCY	TF	-S YF	CY
ongitudinal Percentage Report									
Total (n)	701	701	-	485	485	-	1,186	1,186	
High construct score group	24.5%	15.7%	-8.8%	24.5%	20.4%	-4.1%	24.5%	17.6%	-6.99
Average construct score group	46.4%	42.8%	-3.6%	42.7%	38.6%	-4.1%	44.9%	41.1%	-3.89
Low construct score group	29.1%	41.5%	12.4%	32.8%	41.0%	8.2%	30.6%	41.3%	10.79
Significance (based on high score group)	-		-	-		-	-		
				(Comp Group 1		٨	Il Institutions	
		our Institution			igh score group			h score group	
Survey items and estimation "weights":	Пίζ	gh score group		• • •	igii coolo gioup		riig	ii scole gloup	
Rate yourself on each of the following traits as compared with the									
average person your age:									
* Academic ability (4.02)	04.50/			04.50/	,		04.50/		
* Mathematical ability (2.69)	24.5%	15	.7%	24.5%	0	20.4%	24.5%	17.	6%
* Self-confidence (intellectual) (1.90)			/•						
* Drive to achieve (1.72)									
	TFS	YI	CY	TFS		YFCY	TFS	YF	CY

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ongitudinal Construct R All Respondents

,					- Treopondent		T		
		Your Institution			Comp Group 1		Comp Group 2		
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	701	701	-	484	484	-	1,185	1,185	
Mean	49.8	49.2	-0.5	50.0	49.8	-0.3	49.9	49.5	-0.
Standard deviation	3.02	4.29	-	3.12	4.44	-	3.06	4.36	
Significance	-	**	-	-		-	-	**	
Effect size	-	-0.13	-	-	-0.06	-	-	-0.10	
25th percentile	48.0	46.8	-1.2	48.1	47.0	-1.1	48.1	46.8	-1.
75th percentile	51.4	51.7	0.3	51.7	52.2	0.5	51.6	51.8	0
The population mean at the end of the first year decreased by 0.5	١	Your Institution		(Comp Group 1		All	Institutions	
	85.0			85.0			85.0		
	5	1.4	51.7	5	51.7	52.2	51.6	5 5°	1.8
		4 9.8			O 50.0	9 49.8		49.9	9 49.5
			• 49.2						•
	48	8.0	46.8	4	¥8.1	47.0	48.	1 40	6.8
	11.1			11.1			11.1		
		FS	YFCY		TFS	YFCY	TFS	S YF	CY
ongitudinal Percentage Report									
Total (n)	701	701	-	484	484	-	1,185	1,185	
High construct score group	4.0%	7.8%	3.9%	5.4%	9.5%	4.1%	4.6%	8.5%	4.0
Average construct score group	90.6%	79.2%	-11.4%	90.3%	79.1%	-11.2%	90.5%	79.2%	-11.3
Low construct score group	5.4%	13.0%	7.6%	4.3%	11.4%	7.0%	5.0%	12.3%	7.3
Significance (based on high score group)	-		-	-		-	-		
		our Institution gh score group			Comp Group 1			Institutions score group	
Survey items and estimation "weights":	•			110	3 00010 group				
Rate yourself on each of the following traits as compared with the									
•									
average person your age:									
* Leadership ability (1.88)									
* Public speaking ability (2.48)		-	7.8%	E 40/		9.5%	4.004	8 1	5%
* Self-confidence (social) (3.53)	4.0%		.0 /0	5.4%		/-	4.6%	- 0.0	
	TFS)	/FCY	TFS		YFCY	TFS	YF	CY

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					All Respondent				
		Your Institution			Comp Group 1		Comp Group 2		
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
Longitudinal Mean Report									
Total (n)	613	613	-	402	402	-	1,015	1,015	
Mean	51.7	53.8	2.1	49.7	50.8	1.2	50.9	52.6	1.7
Standard deviation	8.56	8.09	-	10.13	8.74	-	9.26	8.47	
Significance	-	***	-			-	-	***	
Effect size	-	0.25	-		0.13	-	-	0.20	
25th percentile	47.2	49.1	1.9	42.2		2.8	45.6	47.2	1.
75th percentile	57.8	59.5	1.7	56.8	56.8	0.0	57.2	58.8	1.
The population mean at the end of the first year increased by		Variation Cl. Care		-	0		Δ	II Institutions	
2.1		Your Institution			Comp Group 1			JI INSULUTIONS	
	85.0 			85.0 			85.0		
	5	7.8	59.5		56.8	56.8	57	7.2 5	8.8
		o 51.7	53.8		O 49.7	50.8		50.9	52.6
		7.2	49.1					•	7.2
					42.2	45.0			
	11.1			11.1			11.1		
	1	TFS .	YFCY		TFS	YFCY	TI	FS YF	FCY
Longitudinal Percentage Report							<u> </u>		
Total (n)	613	613	_	402	402	_	1,015	1,015	
High construct score group	37.0%	45.4%	8.3%	28.9%		3.2%	33.8%	40.1%	6.3%
Average construct score group	43.4%	40.3%	-3.1%	40.8%		2.0%	42.4%	41.3%	-1.19
Low construct score group	19.6%	14.4%	-5.2%	30.3%		-5.2%	23.8%	18.6%	-5.2%
Significance (based on high score group)	-		-	00.076		-	-	10.070	0.2
Survey items and estimation "weights":	Υ	our Institution			Comp Group 1		Д	All Institutions	
Rate your agreement with each of the following statements:	Hi	gh score group			High score group		Hig	jh score group	
* I have a strong sense of belonging to a community of scientists (3.52)									
* I derive great personal satisfaction from working on a team that									
is doing important research (1.78)		1	5.4%						
* I think of myself as a scientist (5.54)	37.0%	· -	J.4 /0			32.1%	33.8%	40.	.1%
* I feel like I belong in the field of science (4.43)				28	.9%	32.170	33.0 %	_	
rice like i belong in the held of science (4.43)									
	TFS		/FCY	Т	FS	YFCY	TFS	YF	CY
	•		-						



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Identity CIRP Longitudinal Construct Report

All Respondents

 Your Institution
 Comp Group 1
 Comp Group 2

 University of California-San Diego
 TFS
 YFCY
 Change
 TFS
 YFCY
 Change

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					•					
		Your Institution	1		Comp Group	I		Con	np Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change		TFS	YFCY	Change
ongitudinal Mean Report										
Total (n)	612	612	-	397	397	-		1,009	1,009	-
Mean	45.8	52.2	6.4	47.5	51.1	3.7		46.4	51.8	5.4
Standard deviation	10.40	9.83	-	12.02		-		11.09	9.70	-
Significance	-	***	-		. ***	-		-	***	-
Effect size	-	0.65	-		0.39	-		-	0.55	-
25th percentile	39.7	45.2	5.5	42.7		2.7	· • · · · · · · · · · · · · · · · · · ·	40.6	45.3	4.7
75th percentile	52.7	57.9	5.2	54.9	56.1	1.2		53.6	57.2	3.6
The population mean at the end of the first year increased by	-	V 1 ('' ('			0 0 1		-	المصلا	4	
6.4		Your Institution			Comp Group 1			All Inst	tutions	
	85.0			85.0			85.0	ı		
			57.9		540	56.1			57	.2
		52.7			54.9	30.1		53.6	•	
		1	52.2		O 47.5	51.1		م لما	,	51.8
		45.8	1		U 47.5			46		l
		39.7	45.2		42.7	45.4		40.6	45	.3
		33.1						10.0		
	11.1	TFS	YFCY	11.1		\(\mathcal{E}\)	11.1	TFS	YF	0.7
		11-5	YFCY		TFS	YFCY		115	YF	CY
ongitudinal Percentage Report										
Total (n)	612	612	_	397	397	-		1,009	1,009	-
High construct score group	12.6%	33.3%	20.8%	19.4%		10.1%		15.3%	31.8%	16.6%
Average construct score group	39.2%	42.6%	3.4%	39.0%		7.8%		39.1%	44.3%	5.2%
Low construct score group	48.2%	24.0%	-24.2%	41.6%		-17.9%		45.6%	23.9%	-21.7%
Significance (based on high score group)	-	***	_			-		_	***	-



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Self-Efficacy CIRP Longitudinal Construct Report

TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change			
							All Institutions High score group				
12.6%		%	19.4%			31.8% 15.3%					
TFS	YFC	Y	TFS		YFCY	TFS	Y	FCY			
	High so	12.6%	High score group 33.3%	High score group High s	High score group 33.3% 19.4%	High score group 33.3% 12.6% 19.4%	High score group High score group High 12.6% 29.5% 15.3%	High score group High score group High score group High score group 33.3% 19.4% 15.3%			

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Habits of Mind CIRP Longitudinal Construct Report

Men

	,	Your Institutior	1		Comp Group	1	Comp Group 2		
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	220	220	-	110	110	-	330	330	
Mean	50.9	50.4	-0.5	52.9	52.1	-0.9	51.5	50.9	-0.6
Standard deviation	7.77	8.56	-	7.72	8.94	-	7.80	8.71	
Significance	-		-	-		-	-		
Effect size	-	-0.05	-	-	-0.10	-	-	-0.07	
25th percentile	45.4	44.9	-0.5	48.0	46.2	-1.8	46.4	45.0	-1.4
75th percentile	54.9	56.0	1.1	59.9	59.6	-0.3	56.6	57.2	0.0
The population mean at the end of the first year decreased by 0.5	١	Your Institution			Comp Group	l	Al	Institutions	
	75.0			75.0			75.0		
	54	4.9	56.0		59.9	59.6	56.	6 57	7.2
		50.9	50.4		o 52.9	52.1	4	51.5	50.9
	4:	5.4	44.9		48.0	46.2	46.	4 45	5.0
	15.0 T	FS	YFCY	15.0	TFS	YFCY	15.0 L	S YF	-CY
						-			
ongitudinal Percentage Report									
Total (n)	220	220	-	110	110	-	330	330	
High construct score group	25.0%	27.3%	2.3%	37.3%	36.4%	-0.9%	29.1%	30.3%	1.29
Average construct score group	52.3%	46.8%	-5.5%	45.5%			50.0%	44.5%	-5.5%
Low construct score group	22.7%	25.9%	3.2%	17.3%	23.6%	6.4%	20.9%	25.2%	4.2%
Significance (based on high score group)	-		-	-		-	-		
Survey items and estimation "weights":	Y	our Institution			Comp Group 1		All	Institutions	
How often in the past year did you:	Hiç	gh score group			High score grou	p	High	score group	
* Support your opinions with a logical argument (2.28)									
* Seek solutions to problems and explain them to others (2.20)									
Look up scientific research articles and resources (1.48)									
* Explore topics on your own, even though it was not required for									
a class (1.81)									
* Accept mistakes as part of the learning process (0.89)									
				37.	3%	36.4%			
	25.0%	2	7.3%				29.1%	30.	3%

TFS

YFCY

TFS

YFCY

TFS

YFCY

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Pluralistic Orientation CIRP Longitudinal Construct Report

	,	Your Institution			Comp Group 1			Comp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	206	206	-	106	106	-	312	312	
Mean	53.6	52.2	-1.4	56.1	56.1	0.0	54.4	53.5	-0.9
Standard deviation	9.87	10.33	-	8.17	9.89	-	9.39	10.33	
Significance	-		-	-		-	-		
Effect size	-	-0.14	-	-	0.00	-	-	-0.09	
25th percentile	47.3	46.4	-0.9	50.6	49.8	-0.8	48.7	48.1	-0.6
75th percentile	60.4	58.3	-2.1	61.6	63.3	1.7	61.2	60.5	-0.7
The population mean at the end of the first year decreased by 1.4	`	Your Institution		-	Comp Group 1		A	I Institutions	
	72.7	ب 0.4	58.3	72.7	61.6	63.3	72.7	.2 6	0.5
		53.6	52.2		o 56.1	5 6.1		54.4	53.5
	4	7.3	1 46.4		50.6	49.8	48	.7 4	8.1
	10.3 T	FS Y	/FCY	10.3	TFS	YFCY	10.3 TF	FS Y	FCY
ongitudinal Percentage Report							<u> </u>		
Total (n)	206	206	_	106	106	-	312	312	
High construct score group	44.2%	36.9%	-7.3%	53.8%	48.1%	-5.7%	47.4%	40.7%	-6.7%
Average construct score group	36.9%	43.7%	6.8%	37.7%	38.7%	0.9%	37.2%	42.0%	4.8%
Low construct score group	18.9%	19.4%	0.5%	8.5%	13.2%	4.7%	15.4%	17.3%	1.9%
Significance (based on high score group)	-		-	-		-	-		
Survey items and estimation "weights":		our Institution gh score group			Comp Group 1 ligh score group			Il Institutions h score group	
How would you rate yourself in the following areas:	44.2%			53.8%	%	48.1%	47.4%	40	70/
* Ability to discuss and negotiate controversial issues (2.57)	77.2 /0	36	5.9%						.7%
* Ability to see the world from someone else's perspective (2.43)									
* Ability to work cooperatively with diverse people (2.74)									
* Openness to having my own views challenged (2.44)									
* Tolerance of others with different beliefs (3.01)	TFS	YF	FCY	TFS	;	YFCY	TFS	YF	CY

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Social Agency CIRP Longitudinal Construct Report

		our Institution			Comp Group 1			Comp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	187	187	-	95	95	-	282	282	
Mean	50.8	49.4	-1.4	54.3	54.0	-0.3	52.0	51.0	-1.0
Standard deviation	9.97	10.41	-	9.77	10.37	-	10.02	10.61	
Significance	-		-	-		-	-		
Effect size	-	-0.14	-	-	-0.02	-	-	-0.10	
25th percentile	43.8	41.7	-2.1	46.5	47.1	0.6	44.7	43.3	-1.
75th percentile	59.0	56.8	-2.2	61.4	59.0	-2.4	59.4	57.4	-2.
The population mean at the end of the first year decreased by 1.4	Y	our Institution	_	C	Comp Group 1		All	Institutions	
	80.0			80.0			80.0		
	59	0.0	6.8	6	1.4	59.0	59.4	l 57.	4
		ı							
		50.8	49.4	'	54.3	54.0		52.0	51.0
			T 43.4						
	43	3.8	1.7	40	ô.5	47.1	44.7	43.	3
		4	+1.7						
	20.0			20.0			20.0		
	20.0 TI	S Y	FCY		FS	YFCY	TFS	S YFO	Y
					. •				
ongitudinal Percentage Report									
Total (n)	187	187	-	95	95	-	282	282	
High construct score group	33.7%	33.2%	-0.5%	48.4%	43.2%	-5.3%	38.7%	36.5%	-2.19
Average construct score group	38.0%	31.0%	-7.0%	30.5%	41.1%	10.5%	35.5%	34.4%	-1.19
Low construct score group	28.3%	35.8%	7.5%	21.1%	15.8%	-5.3%	25.9%	29.1%	3.29
Significance (based on high score group)	-		-	-		-	-		
	Yo	our Institution		С	omp Group 1		All	Institutions	
Survey items and estimation "weights":								coore group	
Survey items and estimation "weights": Indicate the importance to you personally of each of the				Hig	h score group		High	score group	
Indicate the importance to you personally of each of the		h score group		Hig			High	score group	
Indicate the importance to you personally of each of the following:				Hig			High	score group	
Indicate the importance to you personally of each of the following: * Influencing social values (1.78)							High	score group	
Indicate the importance to you personally of each of the following: * Influencing social values (1.78) * Helping others who are in difficulty (1.71)				Hig 48.4%	th score group	43.2%		score group	
Indicate the importance to you personally of each of the following: * Influencing social values (1.78) * Helping others who are in difficulty (1.71) * Participating in a community action program (2.86)	Hig	h score group	2%		th score group	43.2%	High 38.7%	36.5	%
Indicate the importance to you personally of each of the following: * Influencing social values (1.78) * Helping others who are in difficulty (1.71) * Participating in a community action program (2.86) * Helping to promote racial understanding (2.77)		h score group	.2%		th score group	43.2%			%
Indicate the importance to you personally of each of the following: * Influencing social values (1.78) * Helping others who are in difficulty (1.71) * Participating in a community action program (2.86)	Hig	h score group	.2%		th score group	43.2%			%
Indicate the importance to you personally of each of the following: * Influencing social values (1.78) * Helping others who are in difficulty (1.71) * Participating in a community action program (2.86) * Helping to promote racial understanding (2.77) * Keeping up to date with political affairs (2.15)	Hig	h score group	.2%		th score group	43.2%			%
Indicate the importance to you personally of each of the following: * Influencing social values (1.78) * Helping others who are in difficulty (1.71) * Participating in a community action program (2.86) * Helping to promote racial understanding (2.77) * Keeping up to date with political affairs (2.15)	Hig	h score group	.2%		h score group	43.2% YFCY			%



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Academic Self-Concept CIRP Longitudinal Construct Report

	Your Institution				Comp Group 1			Comp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	211	211	-	106	106	-	317	317	
Mean	52.4	49.7	-2.7	52.1	50.5	-1.5	52.3	50.0	-2.
Standard deviation	8.90	10.14	-	7.97	9.45	-	8.59		
Significance	-	**	-	-		_	-		
Effect size	-	-0.27	-	-	-0.16	_	-	-0.23	
25th percentile	46.7	44.2	-2.5	46.7	44.5	-2.2	46.7	44.5	-2
75th percentile	59.2	56.3	-2.9	57.1	57.0	-0.1	58.9		-2
The population mean at the end of the first year decreased by 2.7		our Institution			Comp Group 1		•	All Institutions	
	69.9			69.9			69.9		
	55	9.2	56.3		57.1	57.0	5	58.9	6.3
		52.4	49.7		o 52.1	5 0.5		52.3	50.0
	46	6.7	44.2		46.7	44.5	4	16.7	14.5
	13.6 L	FS '	YFCY	13.6	TFS	YFCY	13.6	TFS Y	FCY
ongitudinal Percentage Report									
Total (n)	211	211	-	106	106	-	317	317	
High construct score group	37.4%	27.0%	-10.4%	38.7%	31.1%	-7.5%	37.9%	28.4%	-9.5
Average construct score group	44.1%	46.0%	1.9%	40.6%	39.6%	-0.9%	42.9%	43.8%	0.9
Low construct score group	18.5%	27.0%	8.5%	20.8%	29.2%	8.5%	19.2%	27.8%	8.5
Significance (based on high score group)	-		-	-		-	-		
Survey items and estimation "weights": Rate yourself on each of the following traits as compared with the		our Institution gh score group			Comp Group 1 ligh score group			All Institutions igh score group	
average person your age: * Academic ability (4.02) * Mathematical ability (2.69)									
* Self-confidence (intellectual) (1.90)	37.4%			38.7	%	31.1%	37.9%		
* Drive to achieve (1.72)		21	7.0%			31.170		28	3.4%



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Academic Self-Concept CIRP Longitudinal Construct Report

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

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Social Self-Concept CIRP Longitudinal Construct Report

					Men					
		Your Institution	n		Comp Group 1			Con	np Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TI	FS	YFCY	Change
Longitudinal Mean Report										
Total (n)	211	211	-	106	106	-		317	317	
Mean	50.1	49.2	-0.9	50.4	50.0	-0.3		50.2	49.5	-0.
Standard deviation	3.35	4.75	-	3.03	4.54	-		3.24	4.69	
Significance		. *	-	-		-		-	*	
Effect size	-	-0.19	-	-	-0.07	-		-	-0.15	
25th percentile	48.0		-1.6	48.8	46.8	-2.0		48.4	46.5	-1.
75th percentile	51.8	52.2	0.4	51.8	52.9	1.1		51.8	52.4	0.
The population mean at the end of the first year decreased by				<u>-</u>	0 0 1		-	All 14	4.4	
0.9		Your Institution			Comp Group 1			All Insti	itutions	
	85.0			85.0			85.0			
		51.8	52.2		51.8	52.9		51.8	52.	4
		Q 50.1	• 49.2		O 50.4	50.0		O 50	.2	49.5
		48.0	•		48.8	46.8		48.4	46.	
		40.0	46.4		10.0	40.0		10.1	40.	5
	11.1			444			11.1 L			
	11.1	TFS	YFCY	11.1	TFS	YFCY	11.1	TFS	YFC	:Y
		110	11 0 1		11-3	TECT		110	11 0	, ı
				T						
Longitudinal Percentage Report										
Total (n)	211		-	106	106	-		317	317	
High construct score group	4.7%			5.7%	11.3%	5.7%		5.0%	9.8%	4.79
Average construct score group	90.0%			90.6%	73.6%	-17.0%		90.2%	74.8%	-15.59
Low construct score group	5.2%	15.6%	10.4%	3.8%	15.1%	11.3%		4.7%	15.5%	10.79
Significance (based on high score group)		-	-	-		-				
		Your Institution			Comp Group 1			All Instit		
		High score group)		High score group			High score	e group	
O a ser Manus and					riigir score group					
Survey items and estimation "weights": Rate yourself on each of the following traits as compared with the										
average person your age:										
average person your age: * Leadership ability (1.88)										
* Public speaking ability (2.48)										
* Self-confidence (social) (3.53)						44.00/				
	4 7	7%	9.0%	5.7	%	11.3%		5.0%	9.8%	6
	4.7	70		,			_	J.0 /0		
		-0	\((50) \((TF	9	YFCY		TEC	VEO	
	TF	-S	YFCY	IF	J	11 0 1		TFS	YFC	T



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Social Self-Concept CIRP Longitudinal Construct Report

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

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Identity CIRP Longitudinal Construct Report

University of California-San Diego Longitudinal Mean Report Total (n) Mean Standard deviation Significance Effect size	TF		183 54.6 7.72 *	Change - 2.2	TF	96	Comp Group 1 YFCY	Change	T	FS Co	mp Group 2 YFCY	Change
Longitudinal Mean Report Total (n) Mean Standard deviation Significance	TF	183 52.4 8.54 -	183 54.6 7.72	-	TF			Change	Т	FS	YFCY	Change
Total (n) Mean Standard deviation Significance		52.4 8.54 -	54.6 7.72 *	- 2.2 -		96	96					
Mean Standard deviation Significance		52.4 8.54 -	54.6 7.72 *	2.2		96	96					
Standard deviation Significance		8.54 - -	7.72 *	2.2			30	-		279	279	
Significance		-	*	-		51.1	52.2	1.2		52.0	53.8	1
•		-				9.50	8.50	-		8.89	8.06	
Effect size			0.28	-		-		-		-	*	
		46 7		-		-	0.14	-		-	0.23	
25th percentile			50.7	4.0		46.5	47.0	0.5		46.7	49.1	2
75th percentile		58.9	60.3	1.4		58.0	58.3	0.3		58.7	59.5	0
The population mean at the end of the first year increased by 2.2		Yo	ur Institution				Comp Group 1			All Ins	titutions	
	85.0	I			85.0	I			85.0			
		58.9	9	60.3			58.0	58.3		58.7	59.8	;
			52.4	5 4.6			o 51.1	5 2.2		o 52	2.0	53.8
		46.7	7	50.7		4	46.5	47.0		46.7	49.	i
	11.1	TFS	3	YFCY	11.1		TFS	YFCY	11.1 L	TFS	YFC	Y
ongitudinal Percentage Report					<u> </u>							
Total (n)		183	183	-		96	96	-		279	279	
High construct score group	4	3.7%	49.7%	6.0%	3	32.3%	35.4%	3.1%		39.8%	44.8%	5.0
Average construct score group	3	37.2%	37.7%	0.5%	4	5.8%	44.8%	-1.0%		40.1%	40.1%	0.0
Low construct score group	1	9.1%	12.6%	-6.6%	2	21.9%	19.8%	-2.1%		20.1%	15.1%	-5.0
Significance (based on high score group)		-		-		-		-		-		
Survey items and estimation "weights": Rate your agreement with each of the following statements:			r Institution score group				Comp Group 1 igh score group				titutions ore group	
* I have a strong sense of belonging to a community of scientists (3.52)												
* I derive great personal satisfaction from working on a team that				49.7%							44.89	./
is doing important research (1.78)		43.7%				00.00	,	35.4%		39.8%	44.8%	0
* I think of myself as a scientist (5.54) * I feel like I belong in the field of science (4.43)					_	32.3%	<u></u>	JJ. 770				
Thee like I belong in the field of science (4.43)												
		TEC		\/F0\/		TFS		YFCY		TEC	VEO	
		TFS		YFCY		11-9		11 01		TFS	YFC	i



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Identity CIRP Longitudinal Construct Report

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

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Self-Efficacy CIRP Longitudinal Construct Report

		Your Institution			Comp Group 1			Comp	Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TF		/FCY	Change
Longitudinal Mean Report										
Total (n)	181	181	-	95	95	-		276	276	-
Mean	47.6	53.6	6.0	47.1	52.9	5.8		47.5	53.4	6.0
Standard deviation	10.90	10.02	-	11.99	8.93	-	1	1.27	9.65	-
Significance		***	-	-	***	-		-	***	-
Effect size		- 0.60	-	-	0.65	-		-	0.62	-
25th percentile	41.9	46.7	4.8	43.3	48.9	5.6		42.4	47.5	5.1
75th percentile	54.3	60.0	5.7	54.6	56.7	2.1		54.4	59.1	4.7
The population mean at the end of the first year increased by 6		Your Institution		-	Comp Group 1		-	All Institu	itions	
	85.0			85.0			85.0			
		54.3 4 47.6	60.0		54.6 • 47.1 43.3	56.7 • 52.9 48.9		54.4 47.5 42.4	59 47	53.4
	11.1	TFS	YFCY	11.1	TFS	YFCY	11.1	TFS	YF	CY
Longitudinal Percentage Report										
Total (n)	181		-	95	95	-		276	276	-
High construct score group	17.1%		21.5%	20.0%	34.7%	14.7%		8.1%	37.3%	19.2%
Average construct score group	43.1%		-2.8%	37.9%	49.5%	11.6%		1.3%	43.5%	2.2%
Low construct score group	39.8%		-18.8%	42.1%	15.8%	-26.3%	4	0.6%	19.2%	-21.4%
Significance (based on high score group)		. *	-	-		-		-	*	-



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Self-Efficacy CIRP Longitudinal Construct Report

	Your Institution			Comp Group 1		Comp Group 2		
TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
-								
17.1%		3.7%	20.0%	_	34.7%	18.1%	37	.3%
TFS	Y	FCY	TFS		YFCY	TFS	YI	FCY
	TFS Y Hi	Your Institution High score group 38	Your Institution High score group 38.7%	TFS YFCY Change TFS Your Institution High score group High score 38.7% 17.1%	TFS YFCY Change TFS YFCY Your Institution High score group 38.7% 17.1% 20.0%	TFS YFCY Change TFS YFCY Change Your Institution High score group 38.7% 34.7%	TFS YFCY Change TFS YFCY Change TFS Your Institution High score group All High score group 38.7% 38.7% 34.7% 17.1%	TFS YFCY Change TFS YFCY Change TFS YFCY Your Institution High score group 38.7% 38.7% 34.7% 37.1%

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Habits of Mind CIRP Longitudinal Construct Report

		Your Institution			Comp Group 1			Comp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
Longitudinal Mean Report									
Total (n)	490	490	-	387	387	-	877	877	-
Mean	49.6	49.2	-0.4	49.0	50.0	0.9	49.4	49.5	0.2
Standard deviation	8.12	9.10	-	8.87	9.39	-	8.46	9.23	-
Significance	-		-	-		-	-		-
Effect size	-	-0.05	-	-	0.10	-	-	0.02	-
25th percentile	43.8	42.8	-1.0	42.9	44.3	1.4	43.6	43.3	-0.3
75th percentile	55.2	55.9	0.7	55.6	57.3	1.7	55.4	56.9	1.5
The population mean at the end of the first year decreased by 0.4	,	Your Institution			Comp Group 1		- F	Il Institutions	
	75.0			75.0			75.0		
	5	5.2	55.9	5	55.6	57.3	55	5.4 56	i.9
		49.6	49.2		O 49.0	5 0.0		49.4	49.5
	4	3.8	42.8	4	12.9	44.3	43	3.6 43	i.3
	15.0 T	FS \	/FCY	15.0	TFS	YFCY	15.0 T	FS YF	CY
Longitudinal Percentage Report							Π		
Total (n)	490	490	_	387	387	_	877	877	
High construct score group	26.3%	26.9%	0.6%	25.8%	30.7%	4.9%	26.1%	28.6%	2.5%
Average construct score group	45.1%	40.4%	-4.7%	43.4%	42.4%	-1.0%	44.4%	41.3%	-3.1%
Low construct score group	28.6%	32.7%	4.1%	30.7%	26.9%	-3.9%	29.5%	30.1%	0.6%
Significance (based on high score group)	-		-	-		-	-		-
		1 0 0		(Comp Group 1			All Institutions	
Survey items and estimation "weights":		our Institution			igh score group			ih score group	
How often in the past year did you:	П	gh score group			.g., gp		1115	in occio gioup	
* Support your opinions with a logical argument (2.28)									
* Seek solutions to problems and explain them to others (2.20)	00.00			0=	,	30.7%		28.6	20/
* Look up scientific research articles and resources (1.48)	26.3%	26	5.9%	25.8%	6		26.1%	28.0	J 70
* Explore topics on your own, even though it was not required for									
a class (1.81)									
* Accept mistakes as part of the learning process (0.89)	TFS	Y	FCY	TFS		YFCY	TFS	YFO	CY

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Pluralistic Orientation CIRP Longitudinal Construct Report

		Yo	our Institution	1		Con	np Group 1			Co	mp Group 2	
University of California-San Diego	TF	·s	YFCY	Change	TFS		YFCY	Change		TFS	YFCY	Change
Longitudinal Mean Report												
Total (n)		464	464	-	34	9	349	-		813	813	-
Mean		53.9	52.8	-1.0	54.	0	54.0	0.0		53.9	53.3	-0.6
Standard deviation		9.09	9.93	-	8.8	8	10.46	-		8.99	10.17	-
Significance		-		-		-		-		-		-
Effect size		-	-0.10	-		-	0.00	-		-	-0.06	-
25th percentile		47.7	46.4	-1.3	48	6	46.7	-1.9		48.1	46.5	-1.6
75th percentile		60.7	59.5	-1.2	60	1	61.4	1.3		60.4	60.6	0.2
The population mean at the end of the first year decreased by 1		Yo	ur Institution			Com	p Group 1		-	All Ins	titutions	
	72.7	60.	7	59.5	72.7	60.1		61.4	72.7	60.4	60.	ô
			53.9	52.8		0	54.0	5 4.0		4 53	3.9	53.3
		47.	7	46.4		48.6		46.7		48.1	46.	5
	10.3	TFS	5	YFCY	10.3	TFS		YFCY	10.3	TFS	YFO	Y
Longitudinal Percentage Report					<u> </u>				<u> </u>			
Total (n)		464	464	_	34	9	349	_		813	813	_
High construct score group	4	5.5%	40.7%	-4.7%	45.6		41.8%	-3.7%		45.5%	41.2%	-4.3%
Average construct score group		6.6%	38.1%	1.5%	39.0		39.0%	0.0%		37.6%	38.5%	0.9%
Low construct score group		7.9%	21.1%	3.2%	15.5		19.2%	3.7%		16.9%	20.3%	3.4%
Significance (based on high score group)		-		-		-		-		-		-
Survey items and estimation "weights": How would you rate yourself in the following areas:			r Institution				o Group 1 core group				titutions ore group	
* Ability to discuss and negotiate controversial issues (2.57)		45.5%	4	0.7%	4	5.6%	_	41.8%		45.5%	41.29	%
* Ability to see the world from someone else's perspective (2.43) * Ability to work cooperatively with diverse people (2.74) * Openness to having my own views challenged (2.44)												
* Tolerance of others with different beliefs (3.01)		TFS	١	YFCY		TFS		YFCY		TFS	YFC	Y

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Social Agency CIRP Longitudinal Construct Report

		Your Institution	ı		Comp Group 1			Comp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	420	420	-	300	300	_	720	720	
Mean	54.8	53.8	-0.9	57.4	57.3	-0.1	55.9	55.3	-0.6
Standard deviation	9.79	10.57	-	8.69	10.55	_	9.43	10.70	
Significance	-		-	-		-	-		
Effect size	-	-0.09	-	-	-0.01	-	-	-0.05	
25th percentile	47.9	47.2	-0.7	51.1	49.6	-1.5	49.3	47.9	-1.
75th percentile	61.3	60.0	-1.3	64.0	63.7	-0.3	62.3	61.3	-1
The population mean at the end of the first year decreased by 0.9		Your Institution		-	Comp Group 1		Al	I Institutions	
	80.0			80.0			80.0		
		61.3	60.0		64.0	63.7	62	.3 6	1.3
		54.8	53.8		o 57.4	5 7.3	4	55.9	55.3
		1 47.9	1 47.2		51.1	49.6	49	.3 4	7.9
	20.0	TFS	YFCY	20.0	TFS	YFCY	20.0 TF	S YI	ECY
ongitudinal Percentage Report Total (n) High construct score group Average construct score group Low construct score group Significance (based on high score group)	420 50.7% 33.6% 15.7%	420 45.5% 36.2% 18.3%	-5.2% 2.6% 2.6%	300 57.7% 34.7% 7.7%	300 57.0% 32.7% 10.3%	-0.7% -2.0% 2.7%	720 53.6% 34.0% 12.4%	720 50.3% 34.7% 15.0%	-3.3 0.7 2.6
Survey items and estimation "weights": Indicate the importance to you personally of each of the following:		Your Institution ligh score group		I	Comp Group 1 High score group			I Institutions h score group	
* Influencing social values (1.78) * Helping others who are in difficulty (1.71) * Participating in a community action program (2.86) * Helping to promote racial understanding (2.77) * Keeping up to date with political affairs (2.15) * Becoming a community leader (2.65)	50.79	% <u>2</u>	15.5%	57.7	%	57.0%	53.6%	50	3%
	TFS	,	YFCY	TF	S	YFCY	TFS	YF	CY

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Academic Self-Concept CIRP Longitudinal Construct Report

		Your Institution			Comp Group 1			Comp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	469	469	-	364	364	-	833	833	
Mean	47.8	44.4	-3.4	47.8	45.6	-2.2	47.8	44.9	-2.9
Standard deviation	8.40	9.48	-	8.64	9.57	-	8.50	9.53	
Significance	-	***	-	_	**	-	-	***	
Effect size	-	-0.36	-	-	-0.22	-	-	-0.30	
25th percentile	43.1	37.6	-5.5	41.6	37.7	-3.9	42.7	37.6	-5.1
75th percentile	52.5	49.8	-2.7	53.1	51.2	-1.9	52.8	50.3	-2.5
The population mean at the end of the first year decreased by	,			•				All Institutions	
3.4		Your Institution			Comp Group 1			All IIISUUUUOIIS	
	69.9 			69.9			69.9		
	5.	2.5	49.8		53.1	51.2	52	2.8 5	0.3
	,	47.8	44.4		O 47.8	4 5.6		47.8	44.9
	1	3.1	T 44.4			10.0		. 7	T '''
			37.6	· · · · · ·	41.6	37.7	42	2.7 3	7.6
	13.6 T	FS \	/FCY	13.6	TFS	YFCY	13.6 T	FS YI	ECY
ongitudinal Percentage Report							Ī		
Total (n)	469	469	_	364	364	_	833	833	
High construct score group	18.6%	10.7%	-7.9%	20.6%	17.0%	-3.6%	19.4%	13.4%	-6.0%
Average construct score group	47.5%	40.9%	-6.6%	43.1%	38.5%	-4.7%	45.6%	39.9%	-5.8%
Low construct score group	33.9%	48.4%	14.5%	36.3%	44.5%	8.2%	34.9%	46.7%	11.89
Significance (based on high score group)			-	-		-	-		
	Y	our Institution			Comp Group 1		A	All Institutions	
Survey items and estimation "weights":	Hiç	gh score group		Н	ligh score group		Hig	gh score group	
Rate yourself on each of the following traits as compared with the									
average person your age:									
* Academic ability (4.02)									
* Mathematical ability (2.69)	40.00/			20.6%	%	47.00/	19.4%		
* Self-confidence (intellectual) (1.90)	18.6%	10).7%	20.07	, o	17.0%	19.4%	13	.4%
* Drive to achieve (1.72)									
	TFS	Y	FCY	TFS		YFCY	TFS	VE	CY

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Social Self-Concept CIRP Longitudinal Construct Report

Women

		Your Institution			Comp Group 1		Comp Group 2			
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change	
ongitudinal Mean Report										
Total (n)	469	469	-	363	363	-	832	832		
Mean	49.6	49.3	-0.3	50.0	49.7	-0.2	49.8	49.5	-0	
Standard deviation	2.89	4.12	-	3.12	4.41	-	2.99	4.25		
Significance	-		-	-		-	-			
Effect size	-	-0.08	-	-	-0.05	-	-	-0.07		
25th percentile	48.0	46.9	-1.1	48.0	47.0	-1.0	48.0	47.0	-1	
75th percentile	51.3	51.7	0.4	51.8	52.1	0.3	51.4	51.8	(
The population mean at the end of the first year decreased by 0.3	Y	our Institution			Comp Group 1		All	nstitutions		
	85.0			85.0			85.0			
	5.	1.3	51.7		51.8	52.1	51.4	. 51	.8	
		D 49.6	• 49.3		o 50.0	• 49.7			49.5	
							l			
	48	3.0	46.9		48.0	47.0	48.0	47	.0	
	11.1			11.1			11.1			
		FS Y	/FCY		TFS	YFCY	TFS	YF	CY	
ongitudinal Percentage Report										
Total (n)	469	469	-	363	363	-	832	832		
High construct score group	3.6%	7.5%	3.8%	5.2%	9.1%	3.9%	4.3%	8.2%	3.8	
Average construct score group	90.6%	81.0%	-9.6%	90.4%	80.7%	-9.6%	90.5%	80.9%	-9.6	
Low construct score group	5.8%	11.5%	5.8%	4.4%	10.2%	5.8%	5.2%	10.9%	5.8	
Significance (based on high score group)	-		-	-		-	-			
		our Institution		(Comp Group 1			Institutions score group		
	Піў	h score group		Н	igh score group		riigi	i score group		
Survey items and estimation "weights":										
Rate yourself on each of the following traits as compared with the										
average person your age:										
* Leadership ability (1.88)										
* Public speaking ability (2.48)										
* Self-confidence (social) (3.53)										
	3.6%	7	.5%	5.2%		9.1%	4.3%	8	.2%	

TFS

YFCY

TFS

YFCY

YFCY

TFS

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Identity CIRP Longitudinal Construct Report

	,	Your Institution			Comp Group 1			Comp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	411	411	-	293	293	-	704	704	
Mean	51.4	53.4	2.0	49.3	50.4	1.1	50.5	52.2	1.
Standard deviation	8.52	8.18	-	10.45	8.75	-	9.43	8.55	
Significance	-	***	-	-		-	-	***	
Effect size	-	0.25	-	-	0.13	-	_	0.19	
25th percentile	47.2	48.7	1.5	39.7	44.8	5.1	44.4	47.2	2.
75th percentile	56.8	59.5	2.7	56.6	56.8	0.2	56.8	58.7	1.
The population mean at the end of the first year increased by 2								Institutions	
		our Institution			Comp Group 1			msulutions	
	85.0			85.0			85.0		
	50	5.8	59.5	5	6.6	56.8	56	.8 58	3.7
			<u></u>				'',		1
	'	51.4	• 53.4		O 49.3	50.4	9	50.5	52.2
	I 4-	7.2	18.7				l'	. 4	7.2
	"	1.2		3	9.7	44.8	44	.4	
	11.1 L	FS Y	FCY	11.1	TFS	YFCY	11.1 L	S YF	CY
ongitudinal Percentage Report							1		
Total (n)	411	411	_	293	293	_	704	704	
High construct score group	34.1%	43.3%	9.2%	28.7%	30.4%	1.7%	31.8%	37.9%	6.1
Average construct score group	46.2%	41.8%	-4.4%	38.2%	42.7%	4.4%	42.9%	42.2%	-0.7
Low construct score group	19.7%	14.8%	-4.9%	33.1%	27.0%	-6.1%	25.3%	19.9%	-5.4
Significance (based on high score group)	-		-	-	2070	-	-	101070	• • • • • • • • • • • • • • • • • • • •
Survey items and estimation "weights":	Yo	our Institution			Comp Group 1			I Institutions	
Rate your agreement with each of the following statements:	Hiç	gh score group		Hi	gh score group		Higl	n score group	
* I have a strong sense of belonging to a community of scientists									
(3.52)		13	.3%						
* I derive great personal satisfaction from working on a team that	34.1%		.0 /0	28.7%		30.4%	31.8%	37.	9%
is doing important research (1.78)				20.1%			22,0		
* I think of myself as a scientist (5.54)									
* I feel like I belong in the field of science (4.43)									
	TFS	YF	CY	TFS		YFCY	TFS	YF	CY

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Self-Efficacy CIRP Longitudinal Construct Report

		Your Institution	1		Comp Group 1			Com	np Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TF:	S	YFCY	Change
Longitudinal Mean Report										
Total (n)	412	412	-	289	289	-		701	701	-
Mean	44.7	51.4	6.7	47.6	50.7	3.0		45.9	51.1	5.2
Standard deviation	10.03	9.64	-	12.09	9.42	-	1	1.02	9.55	-
Significance	-	***	-	-	***	-		-	***	-
Effect size	-	0.70	-	-	0.32	-		-	0.54	-
25th percentile	38.5	44.9	6.4	42.1	44.7	2.6		39.8	44.8	5.0
75th percentile	51.3	57.2	5.9	54.9	55.6	0.7		52.9	56.6	3.7
The population mean at the end of the first year increased by 6.7		Your Institution		-	Comp Group 1		-	All Insti	tutions	
	85.0			85.0			85.0			
		51.3	57.2		54.9	55.6		52.9	56	5.6
		4 4.7	† 51.4		O 47.6	5 0.7		d 45.	.9	51.1
		38.5	44.9		42.1	44.7		39.8	44	1.8
	11.1			11.1			11.1 L			
		TFS	YFCY		TFS	YFCY		TFS	YF	CY
Longitudinal Percentage Report										
Total (n)	412	412	-	289	289	-		701	701	-
High construct score group	10.2%	30.3%	20.1%	19.4%	27.3%	8.0%		4.0%	29.1%	15.1%
Average construct score group	37.1%	44.2%	7.0%	39.4%	47.1%	7.6%	38	8.1%	45.4%	7.3%
Low construct score group	52.7%	25.5%	-27.2%	41.2%	25.6%	-15.6%	4	7.9%	25.5%	-22.4%
Significance (based on high score group)	-	**	-	-		-		-	**	-

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Self-Efficacy CIRP Longitudinal Construct Report

[Your Institution	ı	С	omp Group 1			Comp Group 2			
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change		
Survey items and estimation "weights": Rate your confidence with respect to being able to do each of the following: * Use technical science skills (use of tools, instruments, and/or techniques) (1.49) * Generate a research question (2.33)		Your Institution High score group			omp Group 1 n score group			Institutions score group			
* Determine how to collect appropriate data (2.82) * Explain the results of a study (2.87) * Use scientific literature to guide research (2.70) * Integrate results from multiple studies (2.79) * Ask relevant questions (1.73) * Identify what is known and not known about a problem (1.95)	10.2		0.3%	19.4%		27.3%	14.0%	29	1%		
* Understand scientific concepts (2.40) * See connections between different areas of science and mathematics (1.90)	TF	s N	/FCY	TFS		YFCY	TFS	YF	CY		

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Habits of Mind

CIRP Longitudinal Construct Report

		Your Institution		_	Comp Group 1			Com	np Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	Т	FS	YFCY	Change
Longitudinal Mean Report										
Total (n)	18	18	-	15	15	-		33	33	
Mean	51.3	52.3	1.0	49.6	50.6	1.0		50.6	51.5	1.0
Standard deviation	8.38	7.21	-	8.16	11.73	-		8.20	9.41	
Significance	-		-	-		-		-		
Effect size	-	0.13	-	-	0.08	-		-	0.10	
25th percentile	46.7	47.9	1.2	40.5	47.0	6.5		46.7	47.2	0.
75th percentile	58.5	55.3	-3.2	56.3	57.4	1.1		56.3	56.9	0
The population mean at the end of the first year increased by 1		Your Institution			Comp Group 1			All Instit	tutions	
	75.0			75.0			75.0 			
		58.5	55.3		56.3	57.4		56.3	56	.9
		51.3	† 52.3		• 49.6	5 0.6		o 50.	6	51.5
		46.7	47.9		40.5	47.0		46.7	47	.2
	15.0			15.0			15.0			
	10.0	TFS Y	/FCY		TFS	YFCY	10.0	TFS	YF	CY
ongitudinal Percentage Report										
Total (n)	18	18	-	15	15	-		33	33	
High construct score group	27.8%	27.8%	0.0%	40.0%	40.0%	0.0%		33.3%	33.3%	0.0
Average construct score group	61.1%	50.0%	-11.1%	33.3%	46.7%	13.3%		48.5%	48.5%	0.0
Low construct score group	11.1%	22.2%	11.1%	26.7%	13.3%	-13.3%		18.2%	18.2%	0.0
Significance (based on high score group)	-		-	-		_		-		



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Habits of Mind

CIRP Longitudinal Construct Report

	You	ur Institution		Cor	mp Group 1	С	omp Group 2
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY Change	TFS	YFCY Change
Survey items and estimation "weights": How often in the past year did you: * Support your opinions with a logical argument (2.28) * Seek solutions to problems and explain them to others (2.20) * Look up scientific research articles and resources (1.48) * Explore topics on your own, even though it was not required for a class (1.81) * Accept mistakes as part of the learning process (0.89)		Institution score group			p Group 1 score group 40.0%		nstitutions core group
	27.8%	27	.8%	40.0 %	40.070	33.3%	33.3%
	TFS	YF	CY	TFS	YFCY	TFS	YFCY



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Pluralistic Orientation

CIRP Longitudinal Construct Report

	,	Your Institution			Coi	mp Group 1			Com	np Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS		YFCY	Change	Т	FS	YFCY	Change
Longitudinal Mean Report											
Total (n)	19	19	-		15	15	-		34	34	-
Mean	56.9	56.6	-0.3	5	4.8	53.0	-1.8		56.0	55.0	-1.0
Standard deviation	7.99	8.55	-	8	.19	8.15	-		8.03	8.45	-
Significance	-		-		-		-		-		-
Effect size	-	-0.03	-		-	-0.22	-		-	-0.11	-
25th percentile	50.2	48.5	-1.7	5	0.6	45.7	-4.9	1	50.5	47.8	-2.7
75th percentile	62.4	64.0	1.6	6	0.6	59.8	-0.8		61.0	62.4	1.4
The population mean at the end of the first year decreased by 0.3	,	our Institution			Con	np Group 1			All Insti	tutions	
	72.7	2.4	64.0	72.7	60.6		59.8	72.7	61.0	62	.4
	(56.9	56.6		0	54.8	53.0		o 56.	0	55.0
	51	0.2	18.5		50.6		45.7		50.5	47	.8
	10.3 T	FS Y	FCY	10.3	TFS		YFCY	10.3	TFS	YF	CY
Longitudinal Percentage Report											
Total (n)	19	19	-		15	15	-		34	34	-
High construct score group	57.9%	63.2%	5.3%	53.	3%	46.7%	-6.7%		55.9%	55.9%	0.0%
Average construct score group	42.1%	26.3%	-15.8%	33.	3%	46.7%	13.3%		38.2%	35.3%	-2.9%
Low construct score group	0.0%	10.5%	10.5%	13.	3%	6.7%	-6.7%		5.9%	8.8%	2.9%
Significance (based on high score group)	-		-		-		-		-		-
Survey items and estimation "weights":		our Institution gh score group				p Group 1 score group			All Insti High scor		
How would you rate yourself in the following areas:	57.9%	(1)	.2%		53.3%		46.7%		55.9%	55.9	%
* Ability to discuss and negotiate controversial issues (2.57) * Ability to see the world from someone else's perspective (2.43) * Ability to work cooperatively with diverse people (2.74) * Openness to having my own views challenged (2.44)											
* Tolerance of others with different beliefs (3.01)	TFS	YF	CY		TFS		YFCY		TFS	YFC	Y Y



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CIRP Longitudinal Construct Report

			Non-billar	, Genderqu	ieer, Gend	JEI 11011-COI	nforming, Identit	y not ns	not listed			
		Your Institution			Com	np Group 1			Co	omp Group 2		
University of California-San Diego	TFS	YFCY	Change	TFS		YFCY	Change		TFS	YFCY	Change	
Longitudinal Mean Report												
Total (n)	18	18	-		15	15	-		33	33	-	
Mean	53.8	53.5	-0.3	57	7.0	59.6	2.5		55.3	56.3	1.0	
Standard deviation	10.69	13.94	-	10.	10	10.44	-		10.39	12.66		
Significance	-		-		-		-		-		-	
Effect size	-	-0.02	-		-	0.24	-		-	0.08		
25th percentile	47.2	43.6	-3.6		3.9	52.2	3.3		48.5	47.6	-0.9	
75th percentile	63.4	60.1	-3.3	65	5.0	69.9	4.9		63.6	67.2	3.6	
The population mean at the end of the first year decreased by 0.3		Your Institution			Com	p Group 1			All In:	stitutions		
	80.0			80.0	CE 0		69.9	80.0		67	7.2	
		33.4	60.1		65.0				63.6		I	
		53.8	53.5		O (57.0	5 9.6		5	55.3	56.3	
	4	17.2	4 3.6		48.9		52.2		48.5	47	7.6	
	20.0			20.0				20.0				
		TFS	YFCY		TFS		YFCY		TFS	YF	CY	
ongitudinal Percentage Report												
Total (n)	18	18	-		15	15	-		33	33	-	
High construct score group	38.9%	50.0%	11.1%	40.0		53.3%	13.3%		39.4%	51.5%	12.1%	
Average construct score group	50.0%	16.7%	-33.3%	46.7		46.7%	0.0%		48.5%	30.3%	-18.2%	
Low construct score group Significance (based on high score group)	11.1% -	33.3%	22.2%	13.3	-	0.0%	-13.3% -		12.1%	18.2%	6.1%	
Survey items and estimation "weights": Indicate the importance to you personally of each of the following:		our Institution				Group 1		•		stitutions core group		
* Influencing social values (1.78) * Helping others who are in difficulty (1.71) * Participating in a community action program (2.86)	20.00		0.0%	4	10.0%		53.3%		39.4%	51.	5%	
* Helping to promote racial understanding (2.77) * Keeping up to date with political affairs (2.15) * Becoming a community leader (2.65)	38.9%	o l			/ / /				00.4 //			



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CIRP Longitudinal Construct Report

	,	Your Institution			Comp Group 1			Comp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	18	18	-	15	15	-	33	33	-
Mean	49.8	47.0	-2.9	49.2	47.6	-1.5	49.5	47.3	-2.3
Standard deviation	9.93	10.62	-	9.31	7.58	-	9.50	9.23	-
Significance	-		-	-		-	-		-
Effect size	-	-0.27	-	-	-0.20	-	-	-0.25	-
25th percentile	41.5	37.5	-4.0	43.6	43.4	-0.2	43.6	43.4	-0.2
75th percentile	56.9	52.2	-4.7	54.6	56.7	2.1	55.3	52.2	-3.1
The population mean at the end of the first year decreased by		our Institution		-	Comp Group 1		ΔΙ	I Institutions	
2.9		ioui ilistitution			Comp Gloup 1			ii iiiottattoiio	
	69.9	6.9		69.9		56.7	69.9		
	5		52.2		54.6	30.1	55	.3	2.2
	(49.8	47.0		O 49.2	47.6	4	49.5	47.3
		I			40.0	40.4	43	·	3.4
	4	1.5	37.5		43.6	43.4	43	.0 4.	3.4
	13.6			40.0			13.6		
		FS Y	/FCY	13.6	TFS	YFCY	TF	FS YF	FCY
ongitudinal Percentage Report							<u> </u>		
Total (n)	18	18	-	15	15	-	33	33	
High construct score group	33.3%	16.7%	-16.7%	20.0%	26.7%	6.7%	27.3%	21.2%	-6.1%
Average construct score group	38.9%	55.6%	16.7%	46.7%	33.3%	-13.3%	42.4%	45.5%	3.0%
Low construct score group	27.8%	27.8%	0.0%	33.3%	40.0%	6.7%	30.3%	33.3%	3.0%
Significance (based on high score group)	-		-	-		-	-		-
		our Institution gh score group			Comp Group 1 High score group			Il Institutions h score group	
Survey items and estimation "weights": Rate yourself on each of the following traits as compared with the	1110	gii score group			3 3		9	n oosio gioup	
average person your age: * Academic ability (4.02)	33.3%								
* Mathematical ability (2.69)	33.3%		. =0/	20.0	10/2	26.7%	27.3%	21	2%
* Self-confidence (intellectual) (1.90)		16	5.7%	20.0					-· ·
* Drive to achieve (1.72)									
	TFS	VI	-CY	TF	\$	YFCY	TFS	VE	CY
	11.2	11	O I	IF	0	11 01	11 3	IF	O I



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Social Self-Concept

CIRP Longitudinal Construct Report

	١	our Institution			Comp Group 1			Comp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
Longitudinal Mean Report									
Total (n)	18	18	-	15	15	-	33	33	-
Mean	50.2	48.3	-1.8	50.1	48.7	-1.5	50.1	48.5	-1.7
Standard deviation	2.33	3.19	-	3.68	4.31	-	2.97	3.68	-
Significance	-		-	-		-	-	*	-
Effect size	-	-0.58	-	-	-0.34	-	-	-0.45	-
25th percentile	48.8	46.0	-2.8	47.9	47.4	-0.5	48.8	46.5	-2.3
75th percentile	50.9	50.7	-0.2	51.6	51.7	0.1	51.0	51.2	0.2
The population mean at the end of the first year decreased by 1.8	Υ	our Institution		(Comp Group 1		All	Institutions	
	85.0			85.0			85.0		
	50	١٥	50.7	5	1.6	51.7	51.	0 51	2
		50.2							
			• 48.3		O 50.1	48.7			48.5
	48	3.8	46.0	4	7.9	47.4	48.	8 46	.5
	11.1			11.1			11.1		
	TF	FS \	/FCY		ΓFS	YFCY	TF	S YF	CY
Longitudinal Percentage Report									
Total (n)	18	18	-	15	15	-	33	33	-
High construct score group	5.6%	5.6%	0.0%	6.7%	6.7%	0.0%	6.1%	6.1%	0.0%
Average construct score group	94.4%	77.8%	-16.7%	86.7%	80.0%	-6.7%	90.9%	78.8%	-12.1%
Low construct score group	0.0%	16.7%	16.7%	6.7%	13.3%	6.7%	3.0%	15.2%	12.1%
Significance (based on high score group)	-		-	-		-	-		-
		our Institution h score group			Comp Group 1 gh score group			All Institutions igh score group	
Survey items and estimation "weights":									
Rate yourself on each of the following traits as compared with the									
average person your age:									
* Leadership ability (1.88)									
* Public speaking ability (2.48)	F C0/	-	C0/	C 70/	,	2.70/	6.1%	G	6.1%
* Self-confidence (social) (3.53)	5.6%	5	.6%	6.7%		6.7%	0.170		7. 1 /0
55. 55	TFS	Y	FCY	TFS	\	/FCY	TFS	\	/FCY



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Identity

CIRP Longitudinal Construct Report

	,	Your Institution			Comp Group 1			Comp Group 2	
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	18	18	-	13	13	-	31	31	
Mean	51.7	53.5	1.8	49.3	51.1	1.9	50.7	52.5	1.8
Standard deviation	9.71	9.72	-	6.05	9.75	-	8.34	9.65	
Significance	-		-	-		-	-		
Effect size	-	0.18	-	-	0.19	-	-	0.19	
25th percentile	47.2	47.8	0.6	44.9	46.0	1.1	44.9	46.0	1.
75th percentile	60.3	60.3	0.0	52.5	59.5	7.0	56.8	60.3	3.
The population mean at the end of the first year increased by 1.8	· \	our Institution		C	Comp Group 1		A	I Institutions	
	85.0 			85.0			85.0 I		
	60	0.3 6	0.3			59.5	56	8 6	0.3
		ı	1	52	2.5		l .		I
	(51.7	• 53.5		> 49.3	51.1		50.7	\$ 52.5
	1 4-	7.2 4	7.8						
	4	7.2	7.0	44	1.9	46.0	44	.9 4	6.0
	11.1			11.1			11.1		
		FS Y	FCY		FS	YFCY	TF	FS Y	FCY
ongitudinal Percentage Report									
Total (n)	18	18	-	13	13	-	31	31	
High construct score group	38.9%	50.0%	11.1%	7.7%	46.2%	38.5%	25.8%	48.4%	22.6
Average construct score group	38.9%	27.8%	-11.1%	61.5%	30.8%	-30.8%	48.4%	29.0%	-19.4
Low construct score group	22.2%	22.2%	0.0%	30.8%	23.1%	-7.7%	25.8%	22.6%	-3.2
Significance (based on high score group)	-		-	-		-	-		
Survey items and estimation "weights":		our Institution			omp Group 1			I Institutions	
Rate your agreement with each of the following statements:	Hig	h score group		HIG	h score group		Hig	h score group	
* I have a strong sense of belonging to a community of scientists									
(3.52)		50	.0%			46.2%		48	.4%
* I derive great personal satisfaction from working on a team that	38.9%						25.8%		
is doing important research (1.78)							25.8%	_	
* I think of myself as a scientist (5.54)				7.7%					
* I feel like I belong in the field of science (4.43)									
• ,									

2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Self-Efficacy

CIRP Longitudinal Construct Report

		Your Institution			Comp Group 1			Comp Group	2
University of California-San Diego	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
ongitudinal Mean Report									
Total (n)	18	18	-	13	13	-	;	31 31	
Mean	51.1	54.8	3.7	46.0	48.7	2.7	48	52.2	3.3
Standard deviation	10.00	10.95	-	11.42	12.69	-	10.	75 11.91	
Significance	-		-	-		-		-	
Effect size	-	0.34	-	-	0.21	-		- 0.28	
25th percentile	43.9	47.8	3.9	38.0	43.3	5.3	42	2.7 43.3	0.
75th percentile	54.9	60.4	5.5	52.7	57.0	4.3	54	.4 60.4	6
The population mean at the end of the first year increased by	-							All Loads Conse	
3.7		Your Institution			Comp Group 1			All Institutions	
	85.0 _I			85.0			85.0 I		
		54.9 今 51.1	54.8		52.7 • 46.0	57.0 • 48.7		54.4 4 8.9	52.2
	11.1	43.9	47.8		38.0	43.3	11.1	42.7	43.3
		TFS Y	FCY	11.1	TFS	YFCY	11.1	TFS	YFCY
ongitudinal Percentage Report									
Total (n)	18	18	-	13	13	-	[;	31 31	
High construct score group	22.2%	50.0%	27.8%	15.4%	38.5%	23.1%	19.4	% 45.2%	25.8
Average construct score group	50.0%	27.8%	-22.2%	38.5%	23.1%	-15.4%	45.2		-19.4
Low construct score group	27.8%	22.2%	-5.6%	46.2%	38.5%	-7.7%	35.5	29.0%	-6.5
Significance (based on high score group)	-		-	-		-		-	



2020 CIRP Freshman Survey / 2021 Your First College Year Survey Science Self-Efficacy

CIRP Longitudinal Construct Report

University of California-San Diego	Your Institution			Comp Group 1			Comp Group 2		
	TFS	YFCY	Change	TFS	YFCY	Change	TFS	YFCY	Change
Survey items and estimation "weights": Rate your confidence with respect to being able to do each of the following: * Use technical science skills (use of tools, instruments, and/or techniques) (1.49)	Your Institution High score group			Comp Group 1 High score group			All Institutions High score group		
* Generate a research question (2.33) * Determine how to collect appropriate data (2.82) * Explain the results of a study (2.87) * Use scientific literature to guide research (2.70) * Integrate results from multiple studies (2.79) * Ask relevant questions (1.73) * Identify what is known and not known about a problem (1.95)	22.2%		0.0%	15.4%	38	8.5%	19.4%	45	5.2%
* Understand scientific concepts (2.40) * See connections between different areas of science and mathematics (1.90)	TFS	,	/FCY	TFS	Y	YFCY	TFS	Y	FCY