



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

2017 CIRP Freshman Survey

CIRP Construct Reports

First-time, Full-time Freshmen

California State University-Chico

Comparison group 1: Public 4yr Colleges - low
Comparison group 2: Public 4yr Colleges



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How to Read the CIRP Construct Mean Report

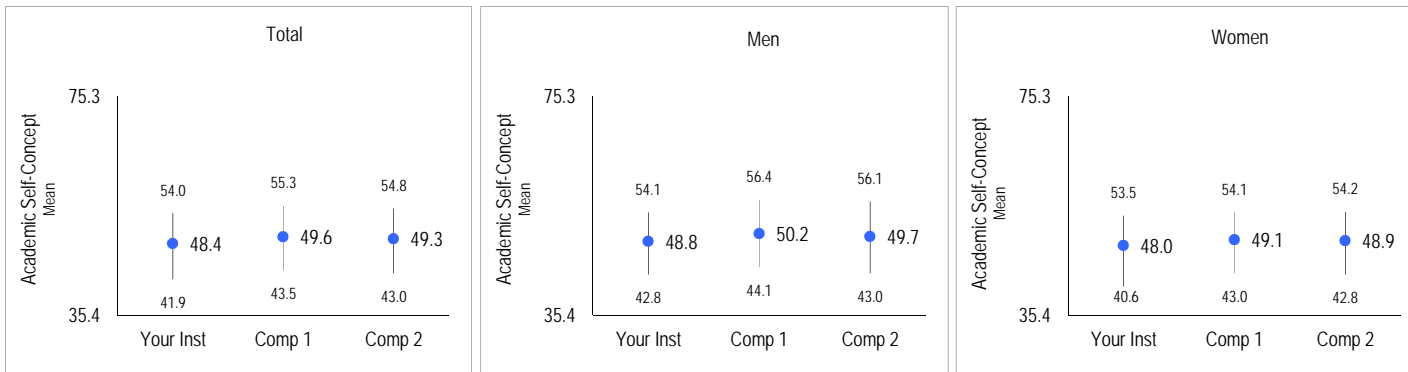
CIRP Constructs are designed to capture the experiences and outcomes institutions are often interested in understanding, but that present a measurement challenge because of their complex and multifaceted nature. To measure these broad underlying areas more precisely, we use Item Response Theory (IRT) to combine individual survey items into global measures that capture these areas. CIRP Constructs are more than a summation of related items; IRT uses response patterns to derive construct score estimates while simultaneously giving greater weight in the estimation process to survey items that tap into the construct more directly. This results in more accurate construct scores. Constructs are particularly useful for benchmarking. They allow you to determine if the experiences and outcomes for your students differ from your comparison groups. Two reports are generated for each CIRP Construct. The Mean Score Report shows comparative information based on the mean score of a construct. The Percentage Report shows comparative information based on the percentage of students who score in the high, average, and low score groups of a construct. We suggest you use the report that best fits your needs as an institution. Both CIRP Construct reports are generated for first-time, full-time freshman, which we define as those respondents who first entered college in 2015 and are currently enrolled full-time.

For more information about IRT and the CIRP Construct development process, see the CIRP Constructs Technical Report at www.heri.ucla.edu

Academic Self-Concept – is a unified measure of students' beliefs about their abilities and confidence in academic environments.

Sample University	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	619	21,085	42,939	300	10,706	19,535	319	10,379	23,404
Mean	48.4	49.6	49.3	48.8	50.2	49.7	48.0	49.1	48.9
Standard Deviation	8.74	8.55	8.85	8.67	8.67	8.97	8.80	8.41	8.74
Significance	-	***	*	-	**	-	-	*	-
Effect Size	-	-0.14	-0.10	-	-0.16	-0.10	-	-0.12	-0.10
25th percentile	41.9	43.5	43.0	42.8	44.1	43.0	40.6	43.0	42.8
75th percentile	54.0	55.3	54.8	54.1	56.4	56.1	53.5	54.1	54.2

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



Survey items and estimation "weights":

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

- * Academic ability (3.52)
- * Self-confidence - intellectual (1.22)
- * Drive to achieve (0.95)
- * Mathematical ability (1.22)

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.

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 blue circles. The numbers at the top and bottom of the vertical line are values for the 75th and 25th percentiles.

CIRP Construct Definition – Summarizes the theoretical rationale for creating the construct.

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.

Statistical Significance – Uses t-test to examine the difference between the mean construct score for your institution and the comparison group. 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 practically 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.

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

Comp 2 – The second comparison group is based on your institution's type and control.

Mean – The arithmetic mean is computed for each CIRP Construct based on the construct score. CIRP Constructs are scored on a z-score metric and rescaled for a mean of approximately 50 and standard deviation of 10.

Effect Size – Determines the practical significance of the mean difference between your institution and the comparison group. It is calculated by dividing the mean difference by the standard deviation of the comparison group. Generally, an effect size of .2 is considered small, .5 medium, and .8 large. A positive sign indicates that your institution's mean is greater than the mean of the comparison group; a negative sign indicates your mean is smaller than the mean of the comparison group.

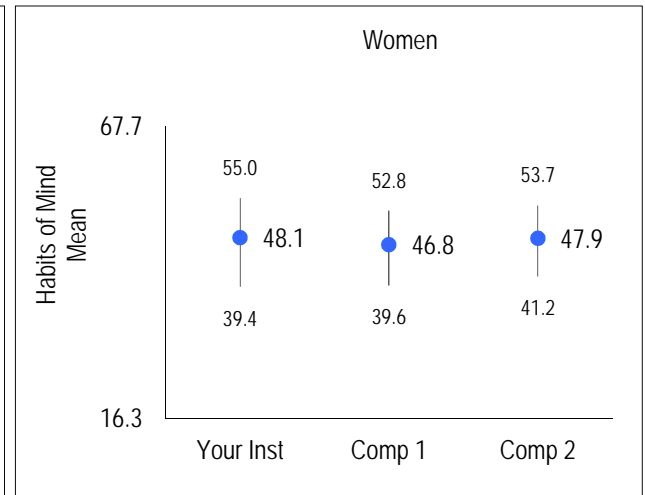
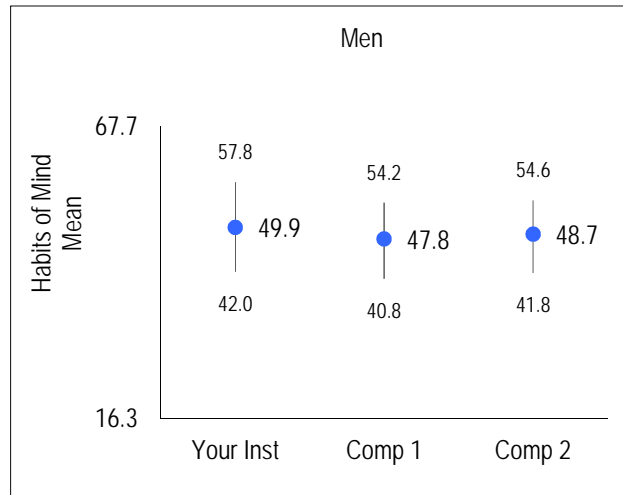
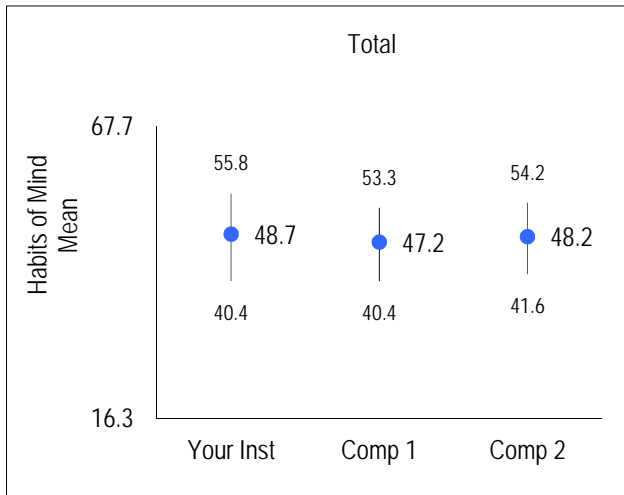


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Habits of Mind
CIRP Construct Mean Report

Habits of Mind - is a unified measure of the behaviors and traits associated with academic success. These learning behaviors are seen as the foundation for lifelong learning.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	656	3,518	12,739	226	1,386	6,037	430	2,132	6,702
Mean	48.7	47.2	48.2	49.9	47.8	48.7	48.1	46.8	47.9
Standard Deviation	10.69	9.29	9.10	10.83	9.35	9.17	10.58	9.22	9.03
Significance	-	***		-	**		-	*	
Effect Size	-	0.16	0.05	-	0.22	0.13	-	0.13	0.02
25th percentile	40.4	40.4	41.6	42.0	40.8	41.8	39.4	39.6	41.2
75th percentile	55.8	53.3	54.2	57.8	54.2	54.6	55.0	52.8	53.7

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



Survey items and estimation "weights":

How often in the past year did you:

- * Seek solutions to problems and explain them to others (1.99)
- * Support your opinions with a logical argument (1.74)
- * Seek alternative solutions to a problem (1.61)
- * Evaluate the quality or reliability of information you received (1.58)
- * Explore topics on your own, even though it was not required for a class (1.27)
- * Seek feedback on your academic work (1.24)

- * Ask questions in class (1.20)
- * Look up scientific research articles and resources (1.05)
- * Revise your papers to improve your writing (1.04)
- * Take a risk because you feel you have more to gain (1.03)
- * Accept mistakes as part of the learning process (0.95)

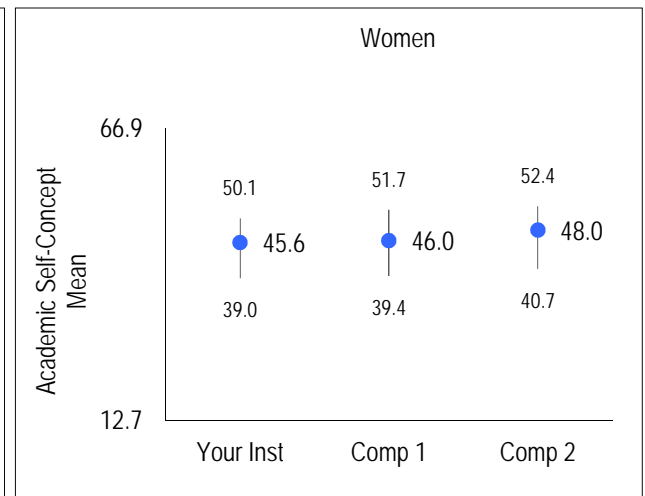
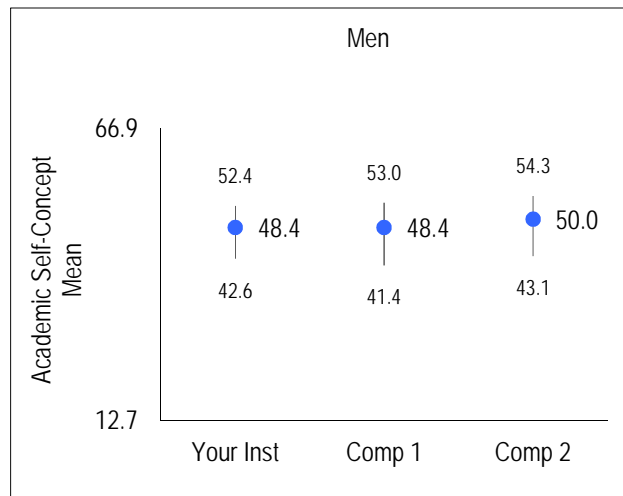
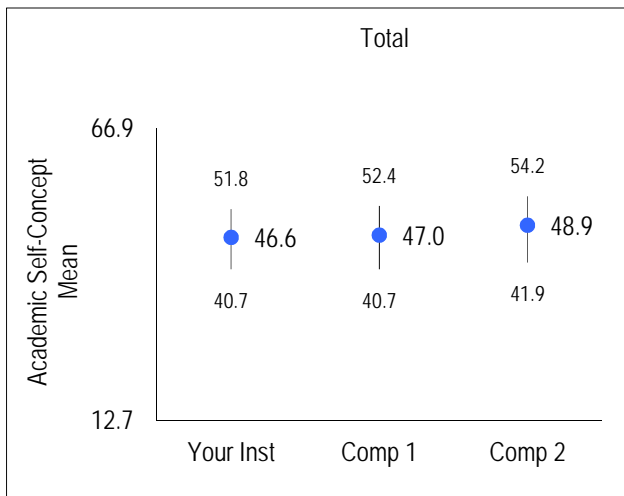


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Academic Self-Concept
CIRP Construct Mean Report

Academic Self-Concept - is a unified measure of students' beliefs about their abilities and confidence in academic environments.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	629	3,414	12,457	219	1,352	5,921	410	2,062	6,536
Mean	46.6	47.0	48.9	48.4	48.4	50.0	45.6	46.0	48.0
Standard Deviation	8.14	8.37	8.80	7.74	8.47	8.81	8.19	8.15	8.69
Significance	-	-	***	-	-	*	-	-	***
Effect Size	-	-0.05	-0.26	-	0.00	-0.18	-	-0.05	-0.27
25th percentile	40.7	40.7	41.9	42.6	41.4	43.1	39.0	39.4	40.7
75th percentile	51.8	52.4	54.2	52.4	53.0	54.3	50.1	51.7	52.4

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



Survey items and estimation "weights":

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

- * Academic ability (3.52)
- * Mathematical ability (1.32)
- * Self-confidence - intellectual (1.22)
- * Drive to achieve (0.95)

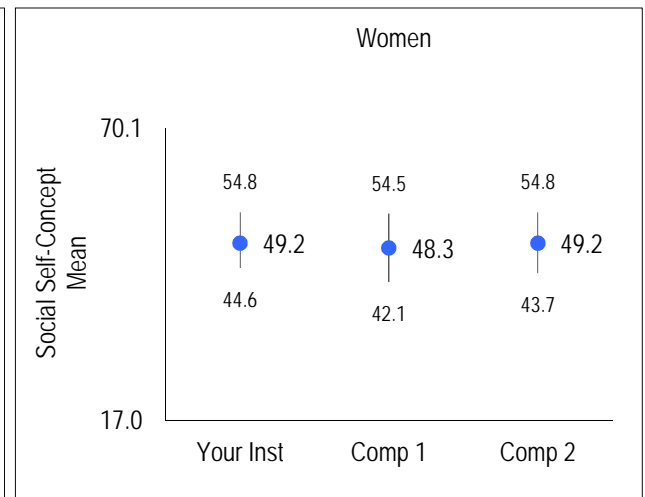
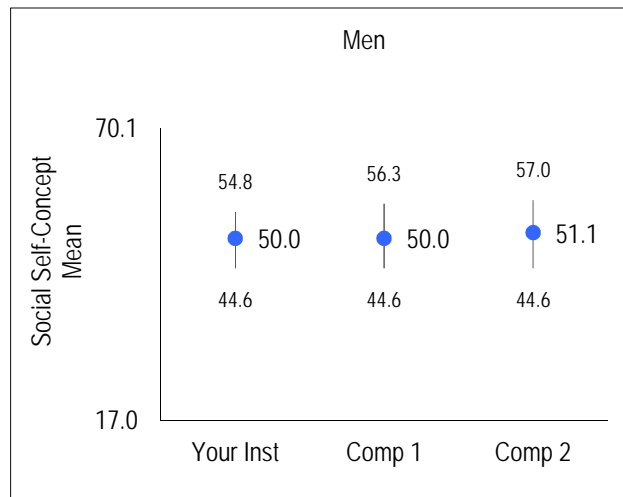
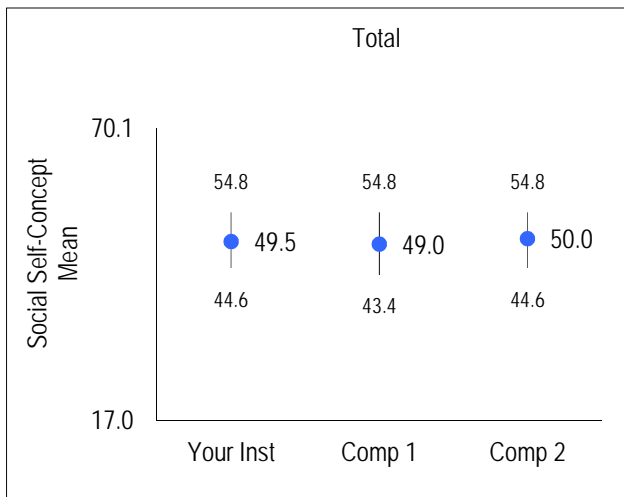


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Social Self-Concept
CIRP Construct Mean Report

Social Self-Concept - is a unified measure of students' beliefs about their abilities and confidence in social situations.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	629	3,403	12,427	219	1,347	5,903	410	2,056	6,524
Mean	49.5	49.0	50.0	50.0	50.0	51.1	49.2	48.3	49.2
Standard Deviation	8.18	9.12	8.79	8.59	9.12	8.76	7.94	9.05	8.72
Significance	-	-	-	-	-	-	-	-	-
Effect Size	-	0.05	-0.06	-	0.00	-0.12	-	0.10	0.00
25th percentile	44.6	43.4	44.6	44.6	44.6	44.6	44.6	42.1	43.7
75th percentile	54.8	54.8	54.8	54.8	56.3	57.0	54.8	54.5	54.8

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



Survey items and estimation "weights":

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

- * Self-confidence - social (2.33)
- * Leadership ability (1.96)
- * Public speaking ability (1.68)

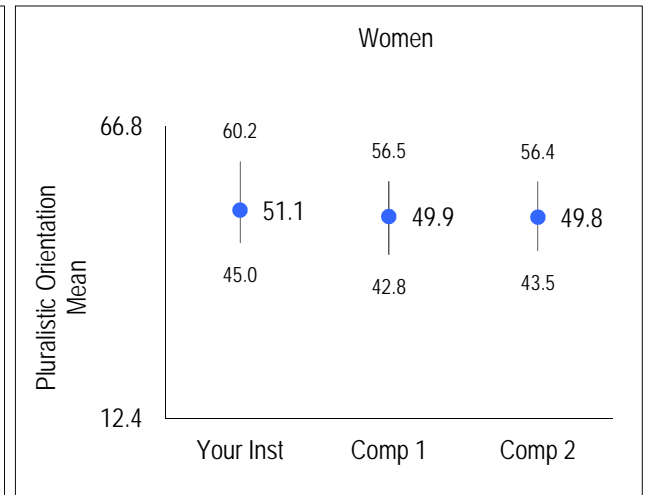
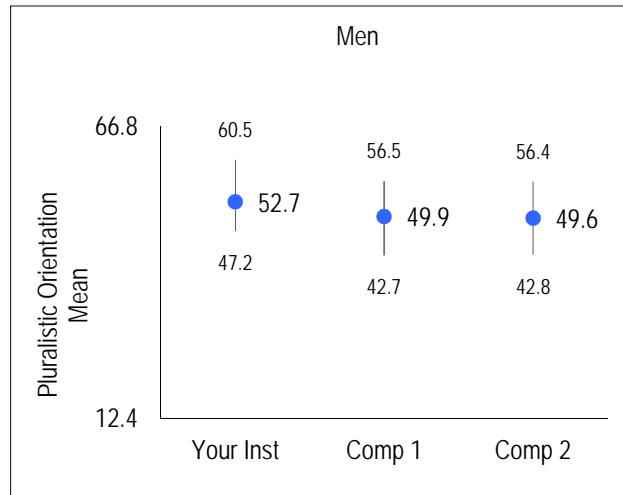
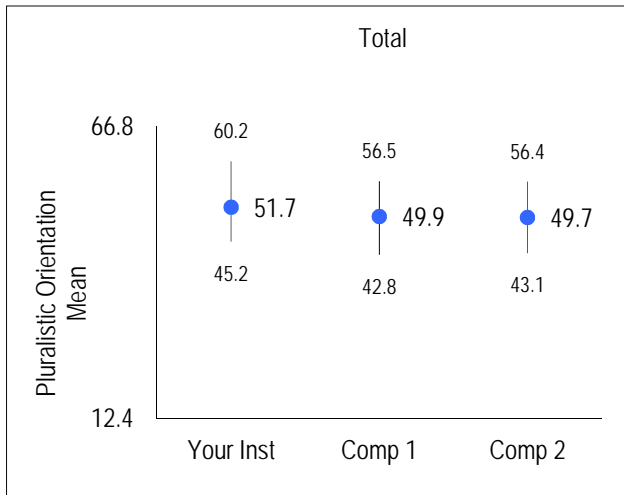


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Pluralistic Orientation
CIRP Construct Mean Report

Pluralistic Orientation - measures skills and dispositions appropriate for living and working in a diverse society.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	667	3,547	12,757	230	1,400	6,047	437	2,147	6,710
Mean	51.7	49.9	49.7	52.7	49.9	49.6	51.1	49.9	49.8
Standard Deviation	9.49	9.29	9.02	9.46	9.50	9.19	9.47	9.14	8.88
Significance	-	***	***	-	***	***	-	*	**
Effect Size	-	0.19	0.21	-	0.29	0.34	-	0.13	0.15
25th percentile	45.2	42.8	43.1	47.2	42.7	42.8	45.0	42.8	43.5
75th percentile	60.2	56.5	56.4	60.5	56.5	56.4	60.2	56.5	56.4

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



Survey items and estimation "weights":

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

- * Ability to work cooperatively with diverse people (2.39)
- * Tolerance of others with different beliefs (2.35)
- * Openness to having my own views challenged (2.13)
- * Ability to discuss and negotiate controversial issues (2.03)
- * Ability to see the world from someone else's perspective (1.78)

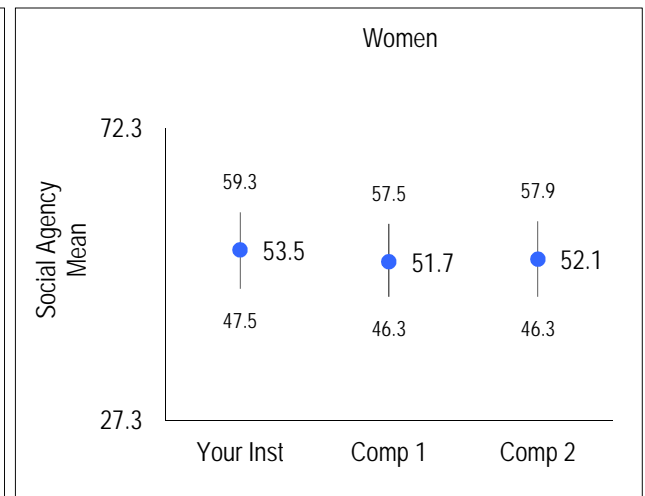
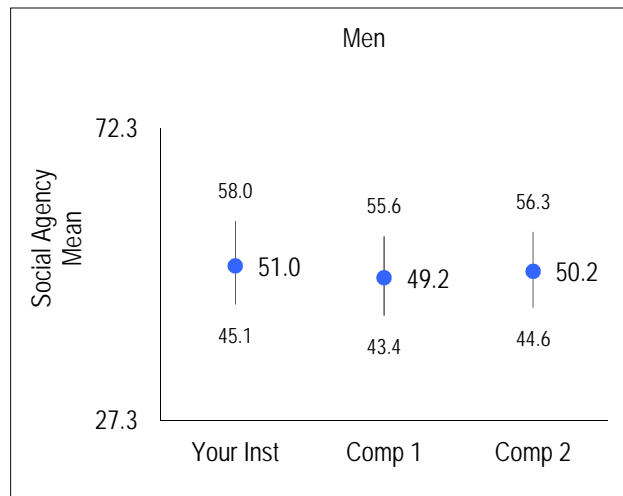
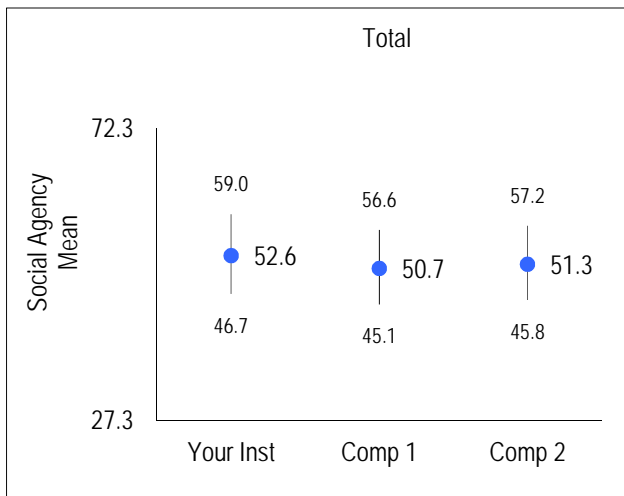


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Social Agency
CIRP Construct Mean Report

Social Agency - measures the extent to which students value political and social involvement as a personal goal.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	591	3,114	11,419	212	1,235	5,384	379	1,879	6,035
Mean	52.6	50.7	51.3	51.0	49.2	50.2	53.5	51.7	52.1
Standard Deviation	10.06	9.38	9.31	10.35	9.55	9.42	9.80	9.11	9.14
Significance	-	***	***	-	*		-	***	**
Effect Size	-	0.21	0.14	-	0.19	0.09	-	0.20	0.15
25th percentile	46.7	45.1	45.8	45.1	43.4	44.6	47.5	46.3	46.3
75th percentile	59.0	56.6	57.2	58.0	55.6	56.3	59.3	57.5	57.9

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



Survey items and estimation "weights":

Indicate the importance to you personally of each of the following:

- * Participating in a community action program (2.42)
- * Helping to promote racial understanding (2.05)
- * Becoming a community leader (2.01)

- * Influencing social values (1.58)
- * Helping others who are in difficulty (1.36)
- * Keeping up to date with political affairs (1.35)

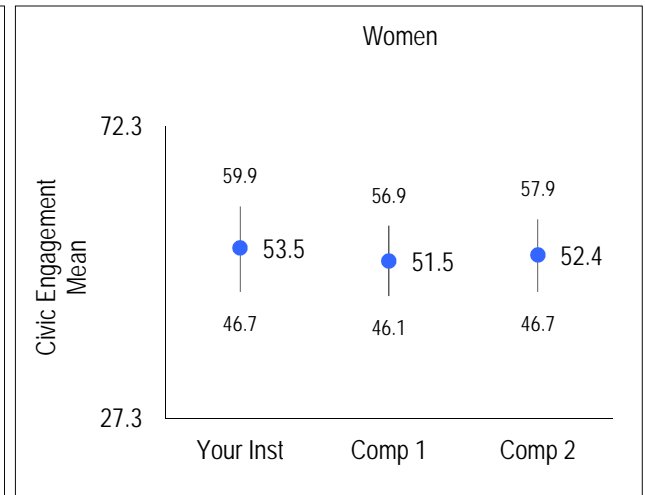
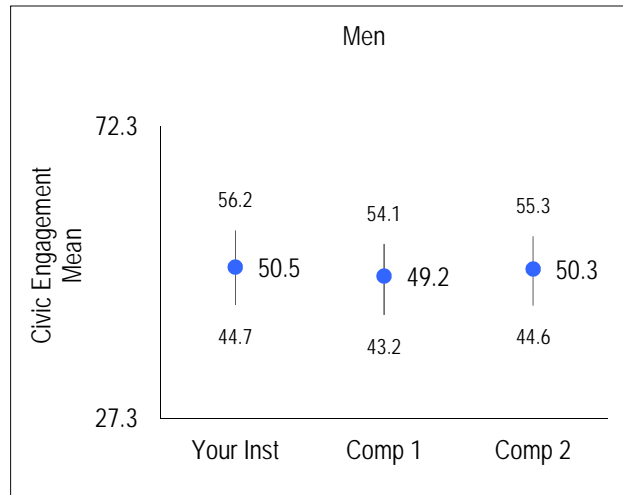
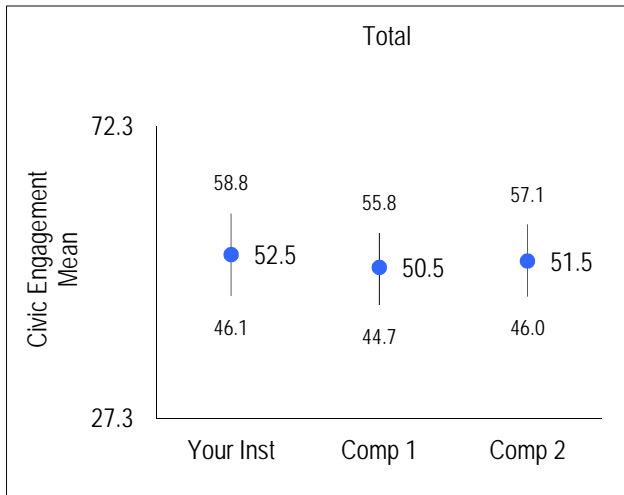


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Civic Engagement
CIRP Construct Mean Report

Civic Engagement - measures the extent to which students are motivated and involved in civic, electoral, and political activities.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	676	3,613	13,001	233	1,440	6,161	443	2,173	6,840
Mean	52.5	50.5	51.5	50.5	49.2	50.3	53.5	51.5	52.4
Standard Deviation	8.90	8.28	8.33	8.37	8.13	8.20	9.00	8.25	8.30
Significance	-	***	**	-	*		-	***	**
Effect Size	-	0.24	0.12	-	0.17	0.04	-	0.24	0.13
25th percentile	46.1	44.7	46.0	44.7	43.2	44.6	46.7	46.1	46.7
75th percentile	58.8	55.8	57.1	56.2	54.1	55.3	59.9	56.9	57.9

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



Survey items and estimation "weights":

Indicate activities you did in the past year:

- *Demonstrated for a cause (e.g., boycott, rally, protest) (1.46)
- *Publicly communicated my opinion about a cause (e.g., blog, email, petition) (1.35)
- *Helped raise money for a cause or campaign (1.11)
- *Performed volunteer work (0.80)

Indicate the importance to you personally of each of the following:

- *Influencing social values (0.97)
- *Keeping up to date with political affairs (0.86)

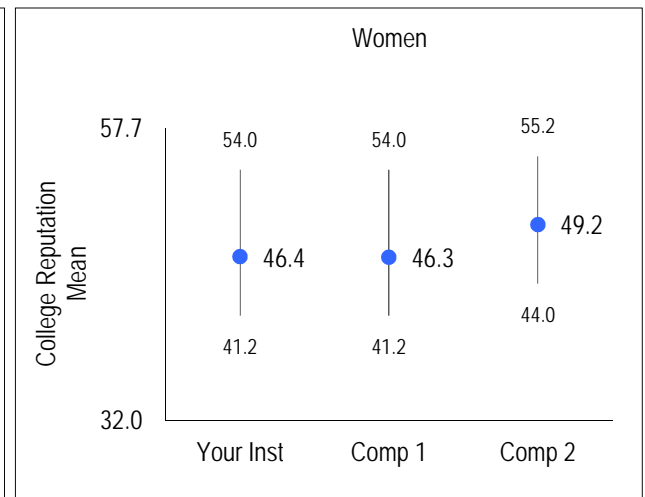
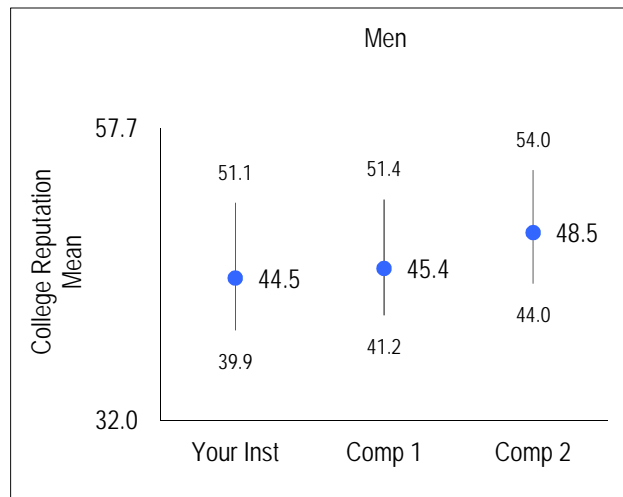
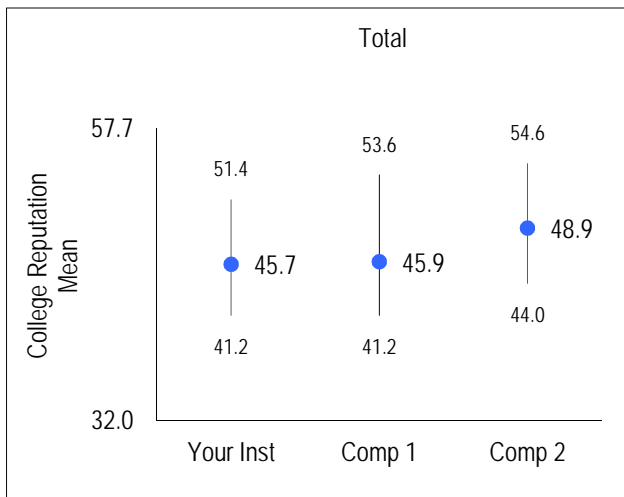


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
College Reputation Orientation
CIRP Construct Mean Report

College Reputation Orientation - measures the degree to which students value academic reputation and future career potential as a reason for choosing this college.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	608	3,276	12,027	214	1,297	5,715	394	1,979	6,312
Mean	45.7	45.9	48.9	44.5	45.4	48.5	46.4	46.3	49.2
Standard Deviation	8.80	8.48	8.58	8.68	8.30	8.54	8.81	8.57	8.61
Significance	-	-	***	-	-	***	-	-	***
Effect Size	-	-0.02	-0.37	-	-0.10	-0.47	-	0.00	-0.33
25th percentile	41.2	41.2	44.0	39.9	41.2	44.0	41.2	41.2	44.0
75th percentile	51.4	53.6	54.6	51.1	51.4	54.0	54.0	54.0	55.2

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



Survey items and estimation "weights":

How important was each reason in your decision to come here?

- * *This college's graduates get good jobs* (6.11)
- * *This college's graduates gain admission to top graduate/professional schools* (2.50)
- * *This college has a very good academic reputation* (1.54)

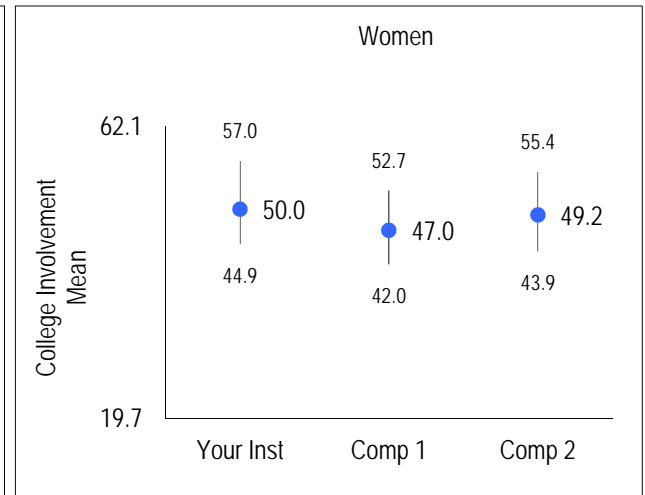
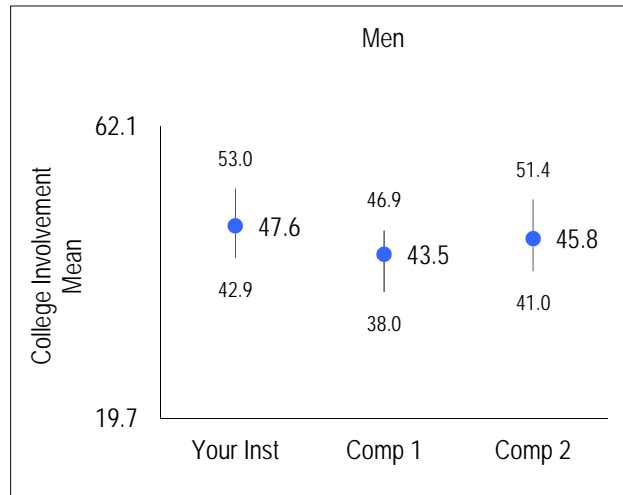
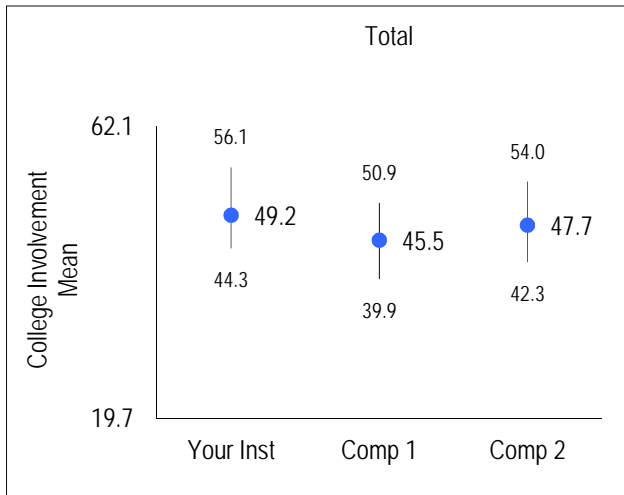


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Likelihood of College Involvement
CIRP Construct Mean Report

Likelihood of College Involvement - is a unified measure of students' expectations about their involvement in college life generally.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	591	3,091	11,288	212	1,222	5,281	379	1,869	6,007
Mean	49.2	45.5	47.7	47.6	43.5	45.8	50.0	47.0	49.2
Standard Deviation	8.38	8.49	8.39	8.28	8.05	8.18	8.32	8.49	8.24
Significance	-	***	***	-	***	**	-	***	
Effect Size	-	0.43	0.17	-	0.51	0.23	-	0.36	0.10
25th percentile	44.3	39.9	42.3	42.9	38.0	41.0	44.9	42.0	43.9
75th percentile	56.1	50.9	54.0	53.0	46.9	51.4	57.0	52.7	55.4

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



Survey items and estimation "weights":

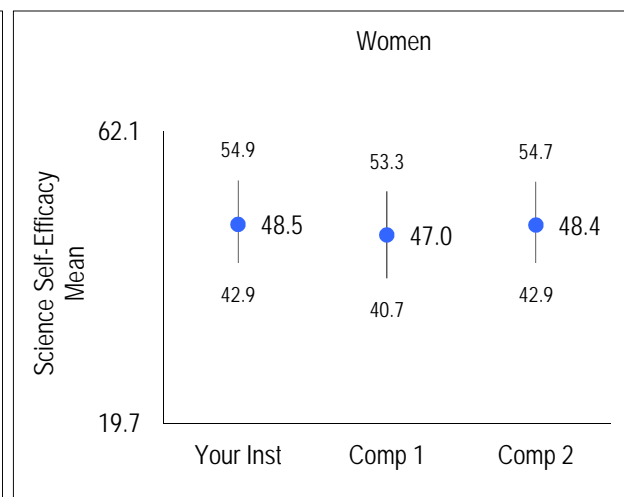
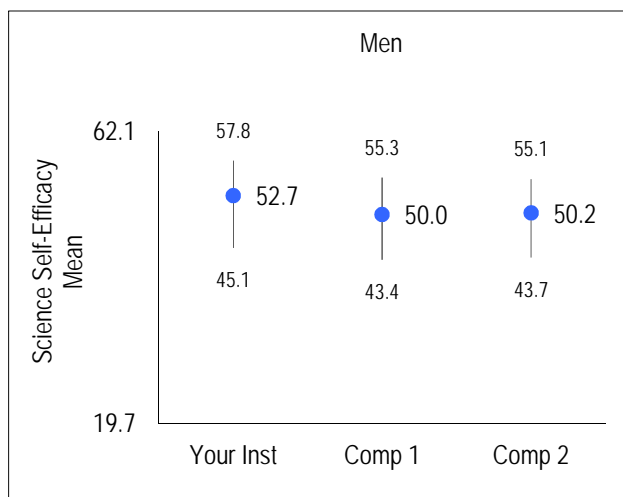
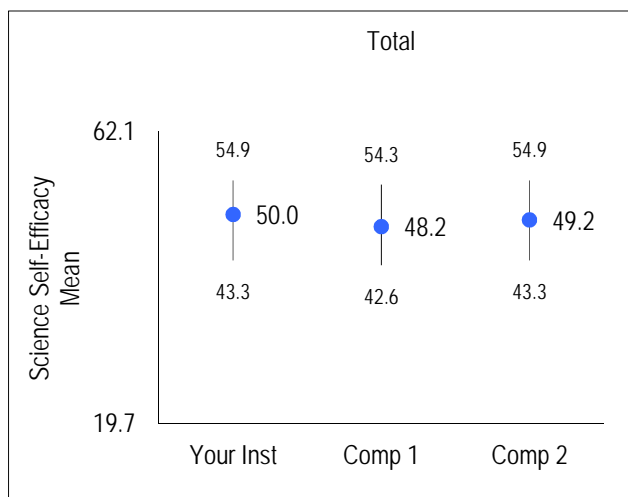
What is your best guess as to the chances that you will:

- * Participate in student clubs/groups (3.25)
- * Participate in volunteer or community service work (1.58)
- * Socialize with someone of another racial/ethnic group (1.28)
- * Participate in a study abroad program (1.24)
- * Participate in student government (0.96)

Science Self-Efficacy: A measure of students' confidence in their ability to conduct scientific research

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	642	3,466	12,593	225	1,368	5,971	417	2,098	6,622
Mean	50.0	48.2	49.2	52.7	50.0	50.2	48.5	47.0	48.4
Standard Deviation	10.76	10.10	10.00	10.52	9.89	9.78	10.61	10.06	10.11
Significance	-	***		-	***	***	-	**	
Effect Size	-	0.18	0.08	-	0.28	0.26	-	0.15	0.01
25th percentile	43.3	42.6	43.3	45.1	43.4	43.7	42.9	40.7	42.9
75th percentile	54.9	54.3	54.9	57.8	55.3	55.1	54.9	53.3	54.7

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



Survey items and estimation "weights":

How confident are you that you can:

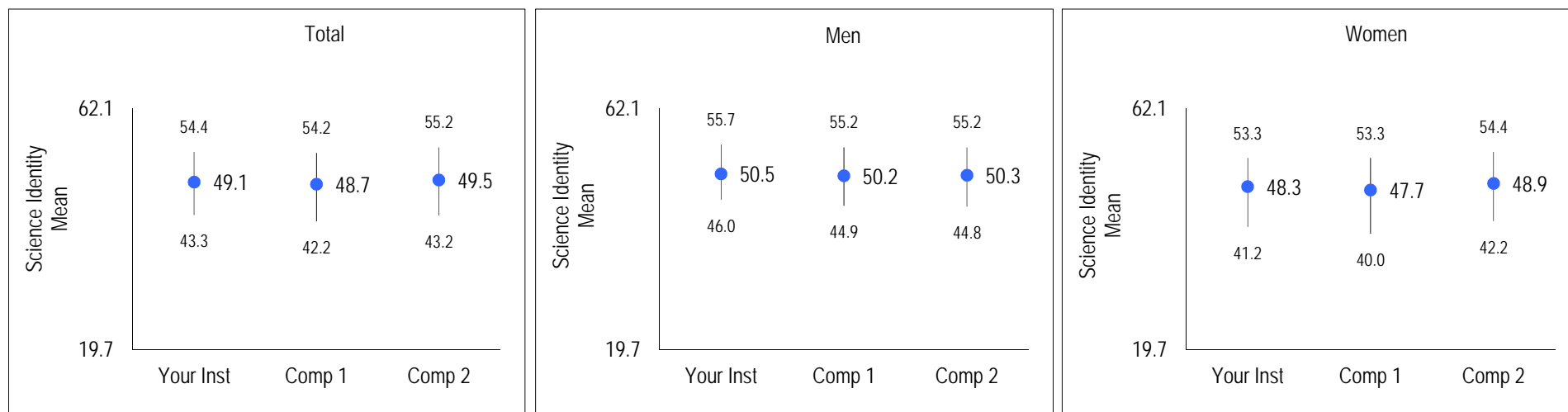
- Use technical science skills (use of tools, instruments, and/or techniques) (1.48)
- Generate a research question (2.33)
- Determine how to college appropriate data (2.82)
- Explain the results of a study (2.87)
- Use scientific literature to guide research (2.70)

- Integrate results from multiple studies (2.79)
- Ask relevant questions (1.73)
- Identify what is known and not known about a problem (1.95)
- Understand scientific concepts (2.40)
- See connections between different areas of science and mathematics (1.90)

Science Identity: The extent to which students conceive of themselves as scientists

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	601	3,196	11,637	212	1,274	5,512	389	1,922	6,125
Mean	49.1	48.7	49.5	50.5	50.2	50.3	48.3	47.7	48.9
Standard Deviation	8.76	8.75	8.81	8.10	8.59	8.62	9.01	8.72	8.91
Significance	-	-	-	-	-	-	-	-	-
Effect Size	-	0.04	-0.04	-	0.04	0.03	-	0.07	-0.06
25th percentile	43.3	42.2	43.2	46.0	44.9	44.8	41.2	40.0	42.2
75th percentile	54.4	54.2	55.2	55.7	55.2	55.2	53.3	53.3	54.4

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



Survey items and estimation "weights":

To what extent are the following statements true of you:

I have a strong sense of belonging to the community of scientists (3.52)

I derive great personal satisfaction from working on a team that is doing important research (1.78)

I think of myself as a scientist (5.53)

I feel like I belong in the field of science (4.43)



How to Read the CIRP Construct Percentage Report

CIRP Constructs are designed to capture the experiences and outcomes institutions are often interested in understanding, but that present a measurement challenge because of their complex and multifaceted nature. To measure these broad underlying areas more precisely, we use Item Response Theory (IRT) to combine individual survey items into global measures that capture these areas. CIRP Constructs are more than a summation of related items; IRT uses response patterns to derive construct score estimates while simultaneously giving greater weight in the estimation process to survey items that tap into the construct more directly. This results in more accurate construct scores. Constructs are particularly useful for benchmarking. They allow you to determine if the experiences and outcomes for your students differ from your comparison groups. Two reports are generated for each CIRP Construct. The Mean Score Report shows comparative information based on the mean score of a construct. The Percentage Report shows comparative information based on the percentage of students who score in the high, average, and low score groups of a construct. We suggest you use the report that best fits your needs as an institution. Both CIRP Construct reports are generated for first-time, full-time freshmen, which we define as those respondents who first entered college in 2014 and are currently enrolled full-time. For more information about IRT and the CIRP Construct development process, see the CIRP Constructs Technical Report at www.heri.ucla.edu

CIRP Construct Definition – Summarizes the theoretical rationale for creating the construct.

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

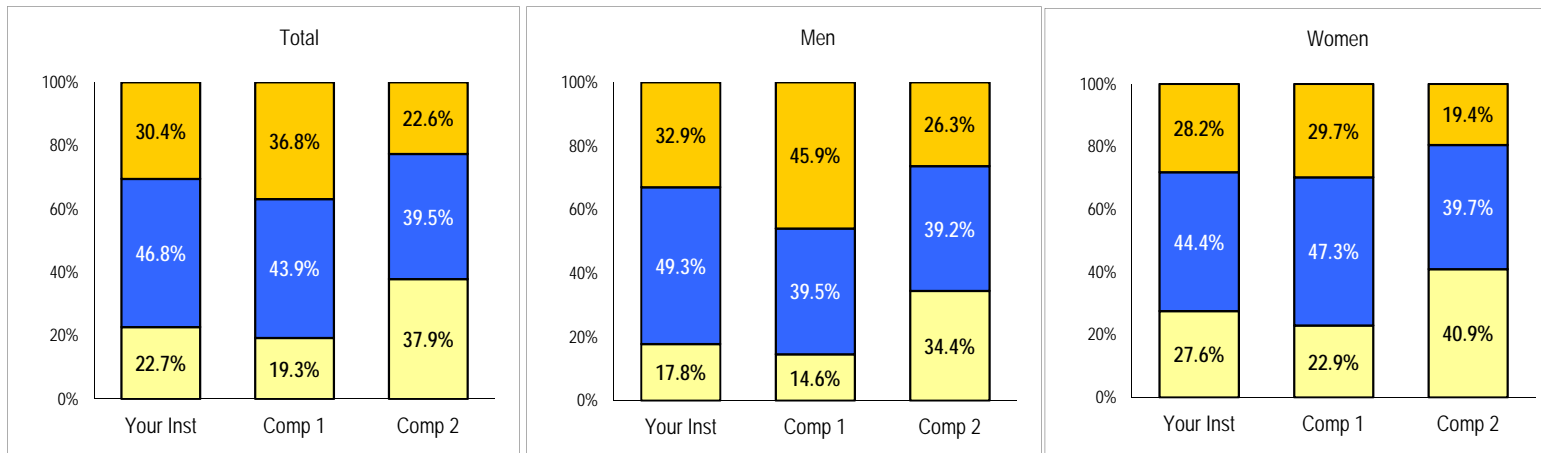
Comp 2 – The second comparison group is based on your institution's type and control.

Statistical Significance – uses a proportional difference test to examine the difference between the percentage of students in the high score group for your institution and the percentage of students in the high score group in the comparison group. Differences larger than what 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, ***p<.001). Statistical significance measures the extent to which a difference is occurring by chance, not the extent to which a difference is practically important. Large sample sizes (like those in the comparison groups) tend to generate statistical significance even though the magnitude of the difference might be small and not practically important. Unlike the means scores report, in this case there are no effect size calculations to guide you in determining practical importance when comparing proportional differences.

Academic Self-Concept – is a unified measure of students' beliefs about their abilities and confidence in academic environments.

Sample University	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	313	13,401	30,456	153	5,876	13,369	160	7,525	17,087
High Academic Self-Concept	30.4%	36.8%	22.6%	32.9%	45.9%	26.3%	28.2%	29.7%	19.4%
Average Academic Self-Concept	46.8%	43.9%	39.5%	49.3%	39.5%	39.2%	44.4%	47.3%	39.7%
Low Academic Self-Concept	22.7%	19.3%	37.9%	17.8%	14.6%	34.4%	27.6%	22.9%	40.9%
Significance (based on High score group)	-	*	***	-	**	***	-		***

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



Survey items and estimation "weights":

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

- * Academic ability (3.52)
- * Self-confidence - intellectual (1.22)
- * Drive to achieve (0.95)
- * Mathematical ability (1.32)

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.

Charts – CIRP Constructs are scored on a z-score metric and rescaled for a mean of approximately 50 and standard deviation of 10. The Low, Average, and High construct score group percentages are reported here. The "Low" score group represents students who are one-half standard deviation below the mean. The "Average" score group represents students whose scores are within one-half standard deviation of the mean. The "High" score group represents students who are one-half standard deviation or more above the mean.

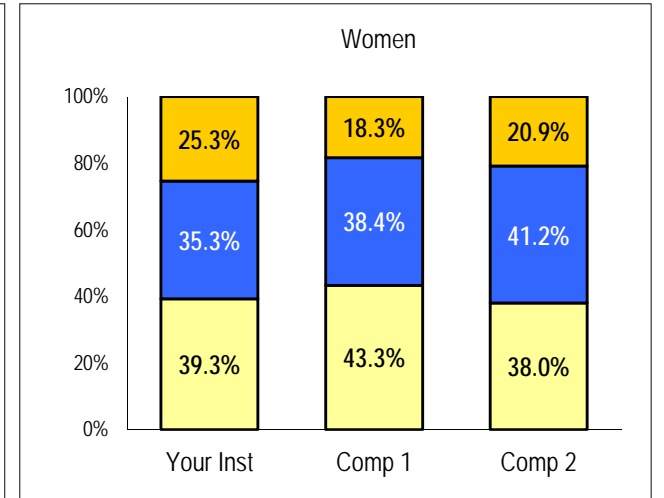
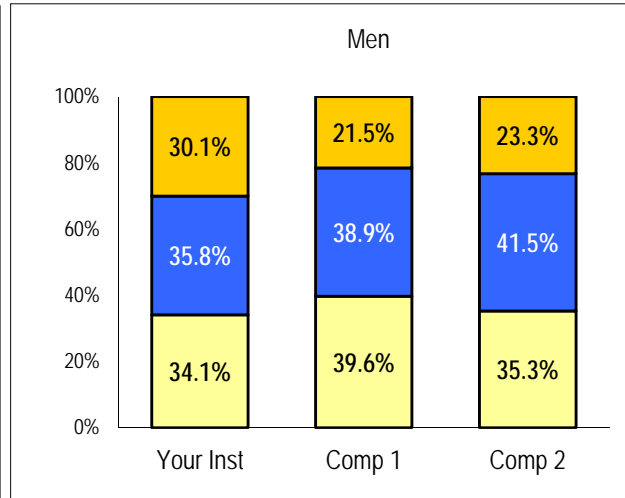
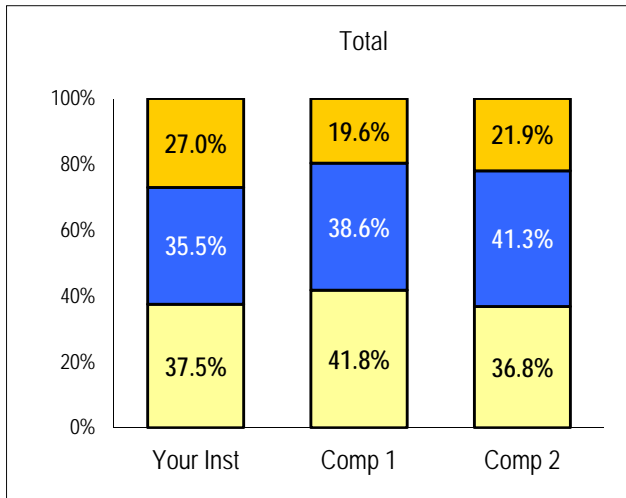


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Habits of Mind
CIRP Construct Percentage Report

Habits of Mind - is a unified measure of the behaviors and traits associated with academic success. These learning behaviors are seen as the foundation for lifelong learning.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	656	3,518	12,739	226	1,386	6,037	430	2,132	6,702
High Habits of Mind	27.0%	19.6%	21.9%	30.1%	21.5%	23.3%	25.3%	18.3%	20.9%
Average Habits of Mind	35.5%	38.6%	41.3%	35.8%	38.9%	41.5%	35.3%	38.4%	41.2%
Low Habits of Mind	37.5%	41.8%	36.8%	34.1%	39.6%	35.3%	39.3%	43.3%	38.0%
Significance (based on High score group)	-	*		-			-		

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



Survey items and estimation "weights":

How often in the past year did you:

- * Seek solutions to problems and explain them to others (1.99)
- * Support your opinions with a logical argument (1.74)
- * Seek alternative solutions to a problem (1.61)
- * Evaluate the quality or reliability of information you received (1.58)
- * Explore topics on your own, even though it was not required for a class (1.27)
- * Seek feedback on your academic work (1.24)

- * Ask questions in class (1.20)
- * Look up scientific research articles and resources (1.05)
- * Revise your papers to improve your writing (1.04)
- * Take a risk because you feel you have more to gain (1.03)
- * Accept mistakes as part of the learning process (0.95)

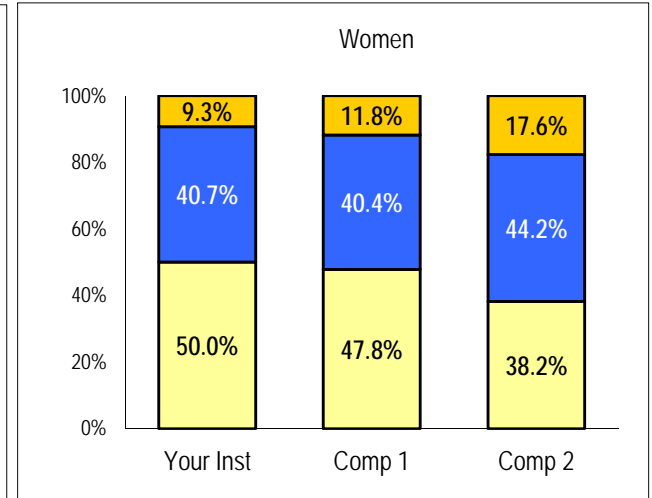
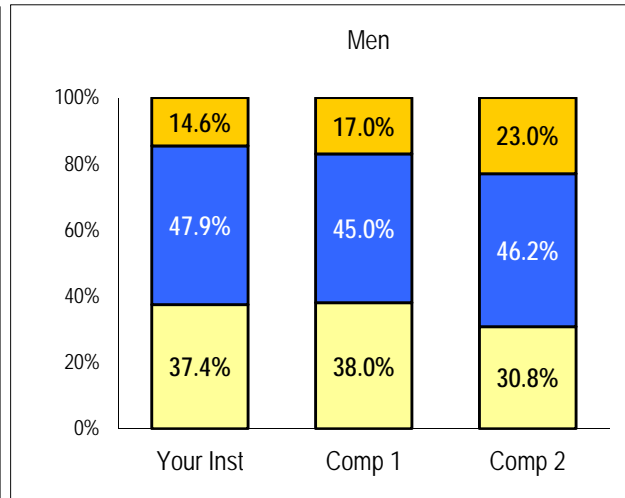
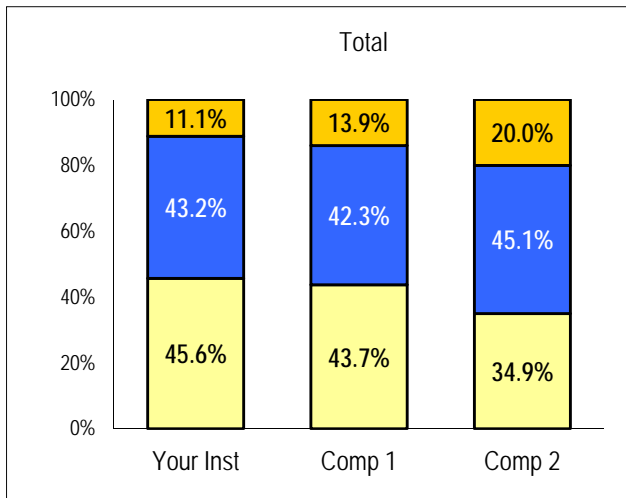


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Academic Self-Concept
CIRP Construct Percentage Report

Academic Self-Concept - is a unified measure of students' beliefs about their abilities and confidence in academic environments.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	629	3,414	12,457	219	1,352	5,921	410	2,062	6,536
High Academic Self-Concept	11.1%	13.9%	20.0%	14.6%	17.0%	23.0%	9.3%	11.8%	17.6%
Average Academic Self-Concept	43.2%	42.3%	45.1%	47.9%	45.0%	46.2%	40.7%	40.4%	44.2%
Low Academic Self-Concept	45.6%	43.7%	34.9%	37.4%	38.0%	30.8%	50.0%	47.8%	38.2%
Significance (based on High score group)	-	-	-	-	-	-	-	-	-

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



Survey items and estimation "weights":

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

- * Academic ability (3.52)
- * Mathematical ability (1.32)
- * Self-confidence - intellectual (1.22)
- * Drive to achieve (0.95)

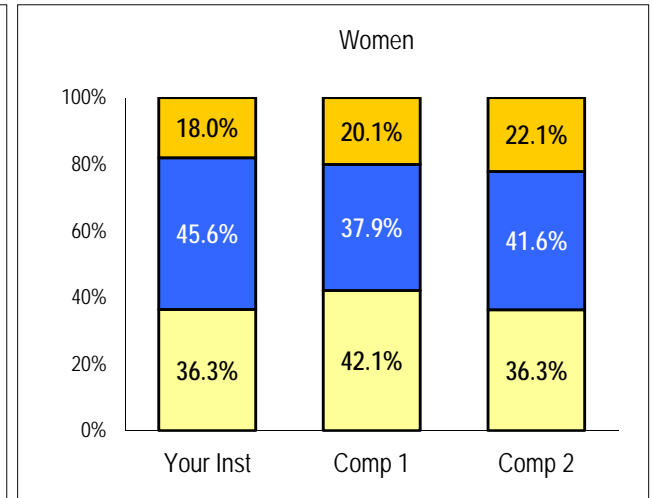
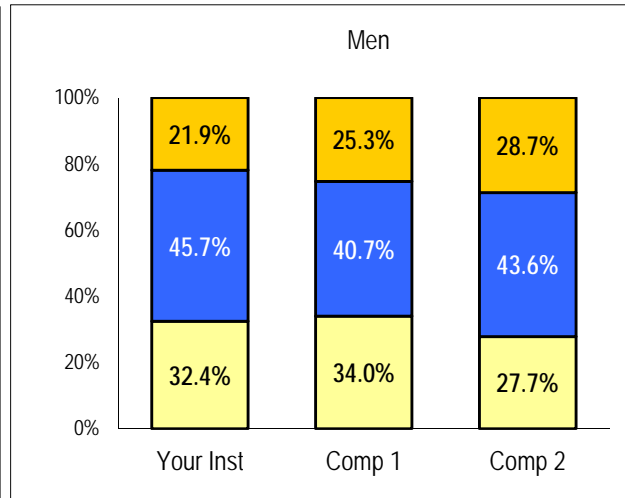
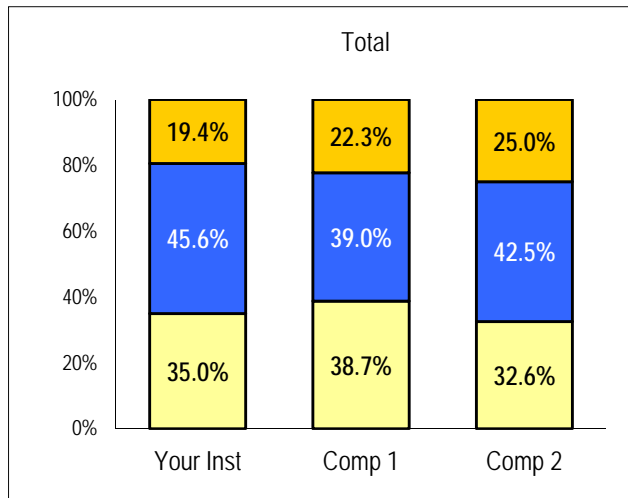


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Social Self-Concept
CIRP Construct Percentage Report

Social Self-Concept - is a unified measure of students' beliefs about their abilities and confidence in social situations.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	629	3,403	12,427	219	1,347	5,903	410	2,056	6,524
High Social Self-Concept	19.4%	22.3%	25.0%	21.9%	25.3%	28.7%	18.0%	20.1%	22.1%
Average Social Self-Concept	45.6%	39.0%	42.5%	45.7%	40.7%	43.6%	45.6%	37.9%	41.6%
Low Social Self-Concept	35.0%	38.7%	32.6%	32.4%	34.0%	27.7%	36.3%	42.1%	36.3%
Significance (based on High score group)	-	-	-	-	-	-	-	-	-

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



Survey items and estimation "weights":

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

* Self-confidence - social (2.33)

* Leadership ability (1.96)

* Public speaking ability (1.68)

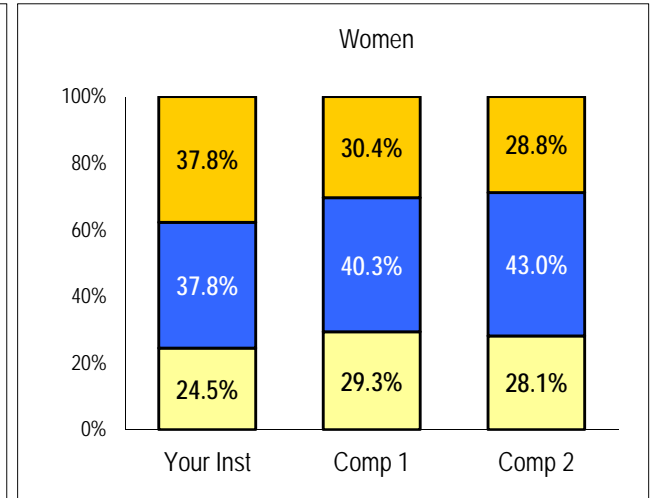
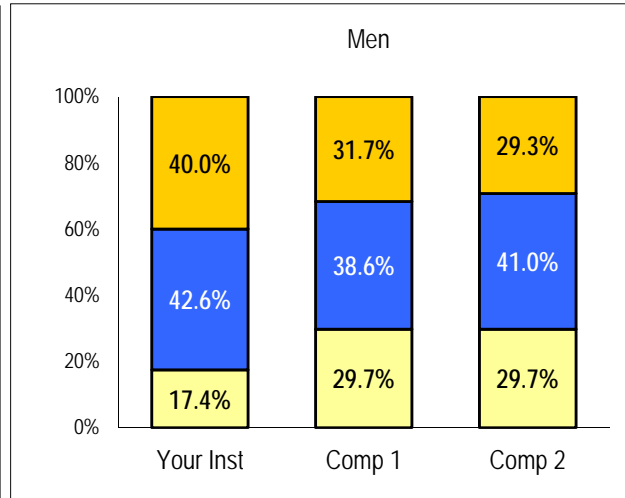
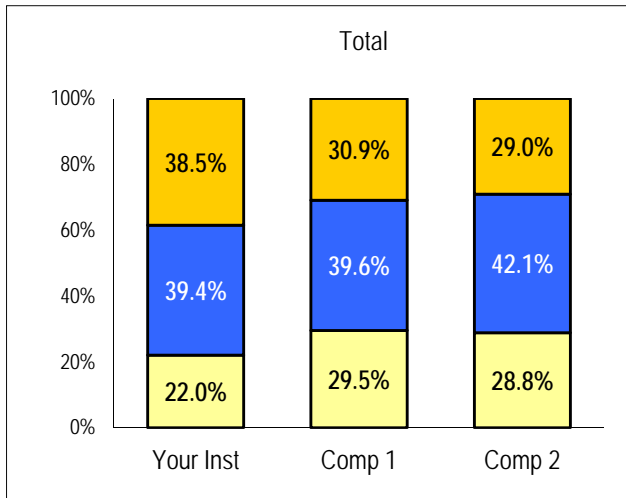


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Pluralistic Orientation
CIRP Construct Percentage Report

Pluralistic Orientation - measures skills and dispositions appropriate for living and working in a diverse society.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	667	3,547	12,757	230	1,400	6,047	437	2,147	6,710
High Pluralistic Orientation	38.5%	30.9%	29.0%	40.0%	31.7%	29.3%	37.8%	30.4%	28.8%
Average Pluralistic Orientation	39.4%	39.6%	42.1%	42.6%	38.6%	41.0%	37.8%	40.3%	43.0%
Low Pluralistic Orientation	22.0%	29.5%	28.8%	17.4%	29.7%	29.7%	24.5%	29.3%	28.1%
Significance (based on High score group)	-	**	***	-		*	-	*	*

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



Survey items and estimation "weights":

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

- * Ability to work cooperatively with diverse people (2.39)
- * Tolerance of others with different beliefs (2.35)
- * Openness to having my own views challenged (2.13)
- * Ability to discuss and negotiate controversial issues (2.03)
- * Ability to see the world from someone else's perspective (1.78)

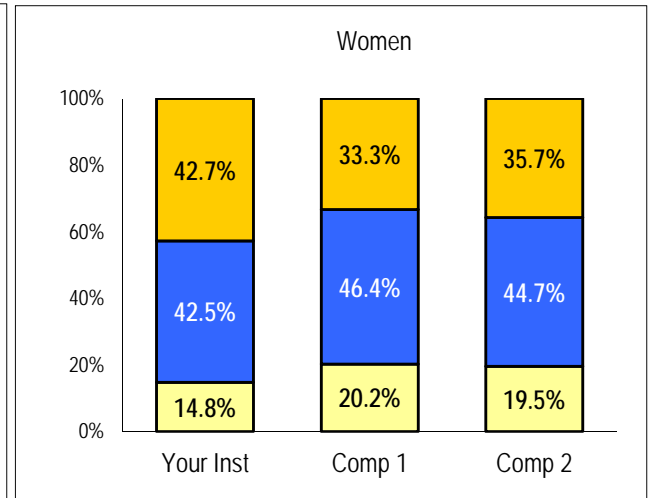
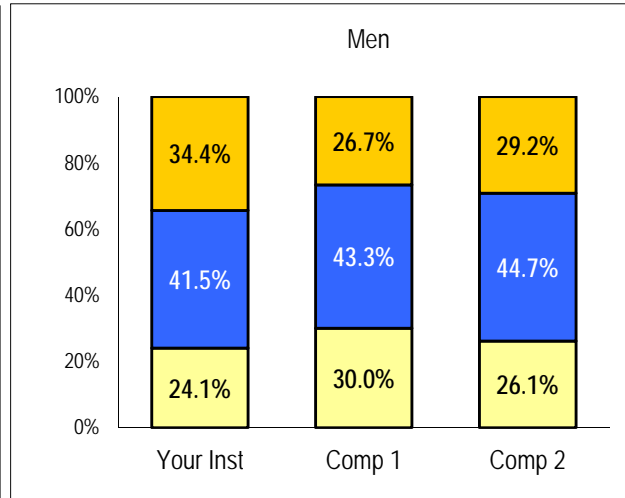
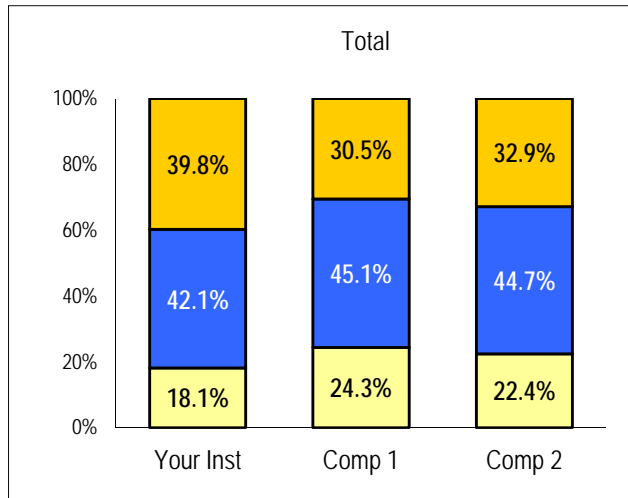


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Social Agency
CIRP Construct Percentage Report

Social Agency - measures the extent to which students value political and social involvement as a personal goal.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	591	3,114	11,419	212	1,235	5,384	379	1,879	6,035
High Social Agency	39.8%	30.5%	32.9%	34.4%	26.7%	29.2%	42.7%	33.3%	35.7%
Average Social Agency	42.1%	45.1%	44.7%	41.5%	43.3%	44.7%	42.5%	46.4%	44.7%
Low Social Agency	18.1%	24.3%	22.4%	24.1%	30.0%	26.1%	14.8%	20.2%	19.5%
Significance (based on High score group)	-	**	*	-			-	*	

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



Survey items and estimation "weights":

Indicate the importance to you personally of each of the following:

- * Participating in a community action program (2.42)
- * Helping to promote racial understanding (2.05)
- * Becoming a community leader (2.01)

- * Influencing social values (1.58)
- * Helping others who are in difficulty (1.36)
- * Keeping up to date with political affairs (1.35)

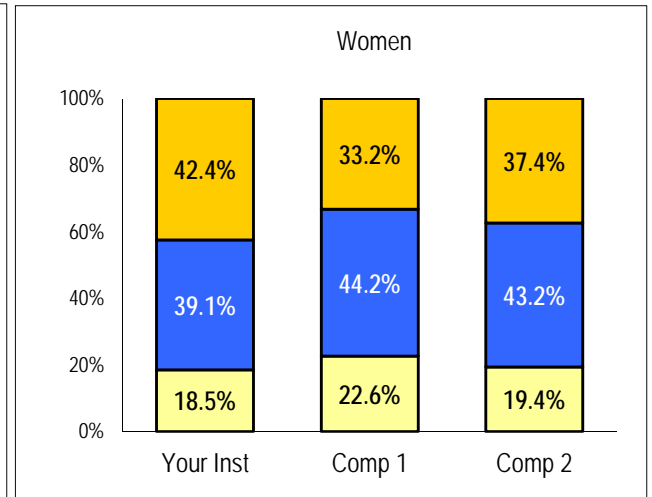
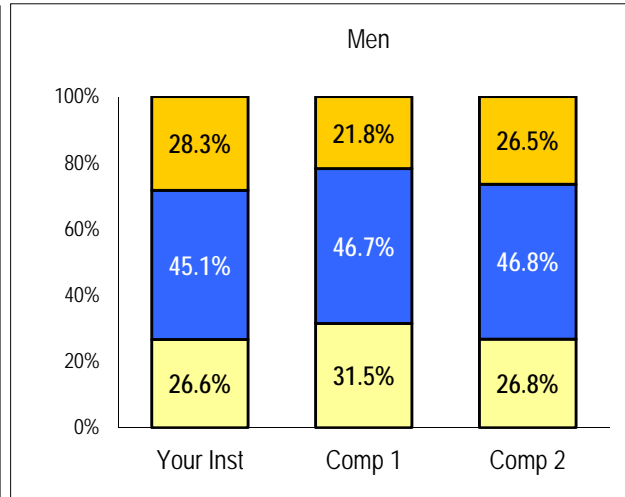
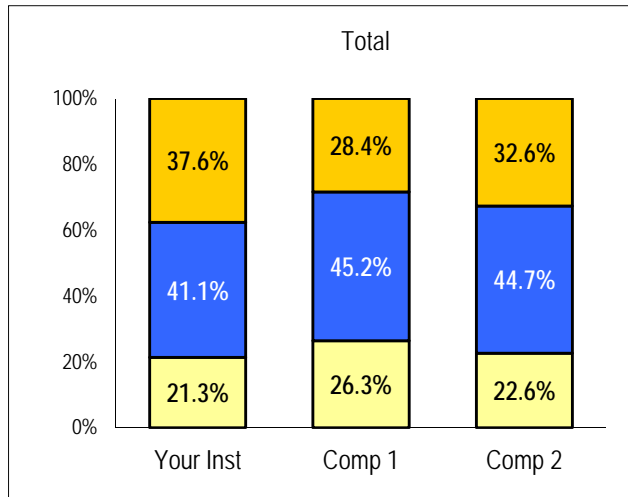


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Civic Engagement
CIRP Construct Percentage Report

Civic Engagement - measures the extent to which students are motivated and involved in civic, electoral, and political activities.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	676	3,613	13,001	233	1,440	6,161	443	2,173	6,840
High Civic Engagement	37.6%	28.4%	32.6%	28.3%	21.8%	26.5%	42.4%	33.2%	37.4%
Average Civic Engagement	41.1%	45.2%	44.7%	45.1%	46.7%	46.8%	39.1%	44.2%	43.2%
Low Civic Engagement	21.3%	26.3%	22.6%	26.6%	31.5%	26.8%	18.5%	22.6%	19.4%
Significance (based on High score group)	-	**		-			-	**	

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



Survey items and estimation "weights":

Indicate activities you did in the past year:

- *Demonstrated for a cause (e.g., boycott, rally, protest) (1.46)
- *Publicly communicated my opinion about a cause (e.g., blog, email, petition) (1.35)
- *Helped raise money for a cause or campaign (1.11)
- *Performed volunteer work (0.80)

Indicate the importance to you personally of each of the following:

- *Influencing social values (0.97)
- *Keeping up to date with political affairs (0.86)

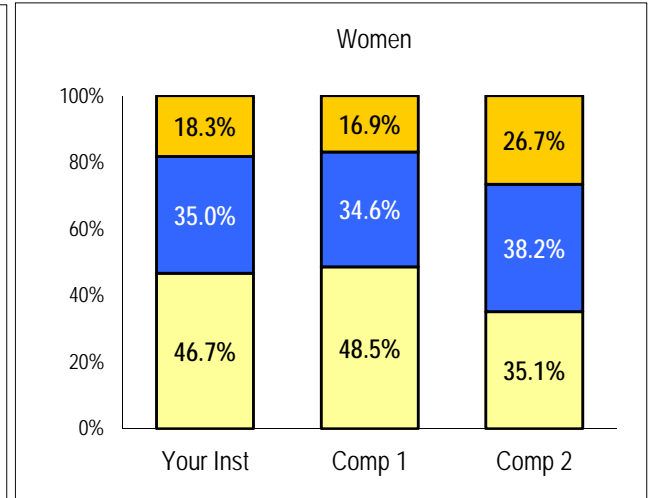
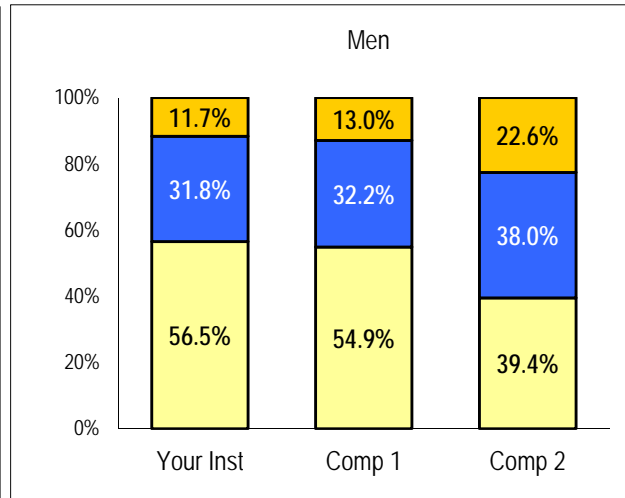
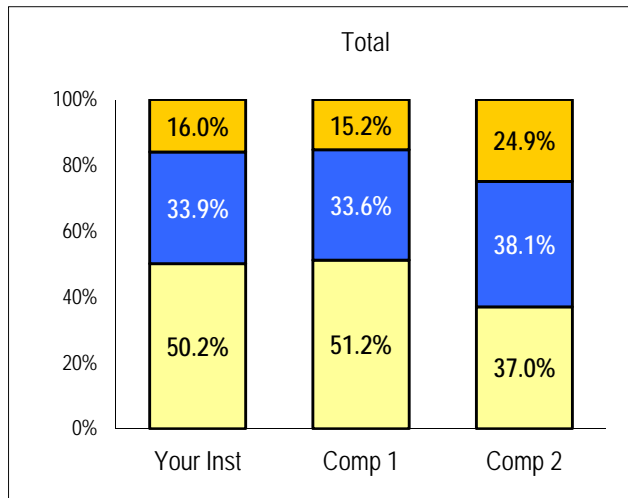


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
College Reputation Orientation
CIRP Construct Percentage Report

College Reputation Orientation - measures the degree to which students value academic reputation and future career potential as a reason for choosing this college.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	608	3,276	12,027	214	1,297	5,715	394	1,979	6,312
High College Reputation Orientation	16.0%	15.2%	24.9%	11.7%	13.0%	22.6%	18.3%	16.9%	26.7%
Average College Reputation Orientation	33.9%	33.6%	38.1%	31.8%	32.2%	38.0%	35.0%	34.6%	38.2%
Low College Reputation Orientation	50.2%	51.2%	37.0%	56.5%	54.9%	39.4%	46.7%	48.5%	35.1%
Significance (based on High score group)	-		*	-			-		

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



Survey items and estimation "weights":

How important was each reason in your decision to come here?

* *This college's graduates get good jobs* (6.11)

* *This college's graduates gain admission to top graduate/professional schools* (2.50)

* *This college has a very good academic reputation* (1.54)

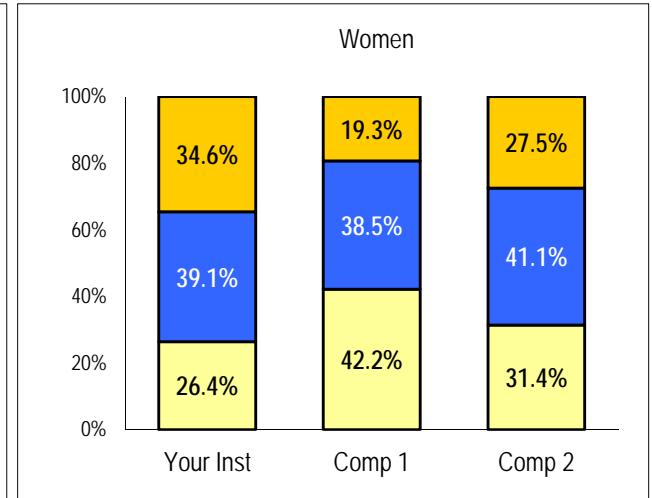
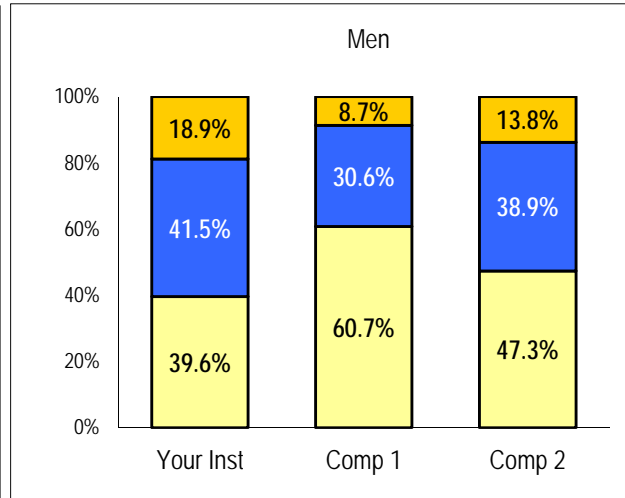
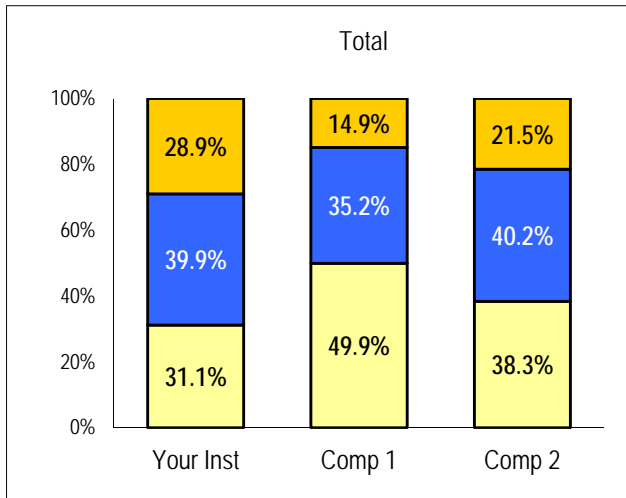


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Likelihood of College Involvement
CIRP Construct Percentage Report

Likelihood of College Involvement - is a unified measure of students' expectations about their involvement in college life generally.

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	591	3,091	11,288	212	1,222	5,281	379	1,869	6,007
High Likelihood of College Involvement	28.9%	14.9%	21.5%	18.9%	8.7%	13.8%	34.6%	19.3%	27.5%
Average Likelihood of College Involvement	39.9%	35.2%	40.2%	41.5%	30.6%	38.9%	39.1%	38.5%	41.1%
Low Likelihood of College Involvement	31.1%	49.9%	38.3%	39.6%	60.7%	47.3%	26.4%	42.2%	31.4%
Significance (based on High score group)	-	***	*	-	*		-	***	

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



Survey items and estimation "weights":

What is your best guess as to the chances that you will:

- * Participate in student clubs/groups (3.25)
- * Participate in volunteer or community service work (1.58)
- * Socialize with someone of another racial/ethnic group (1.28)
- * Participate in a study abroad program (1.24)
- * Participate in student government (0.96)

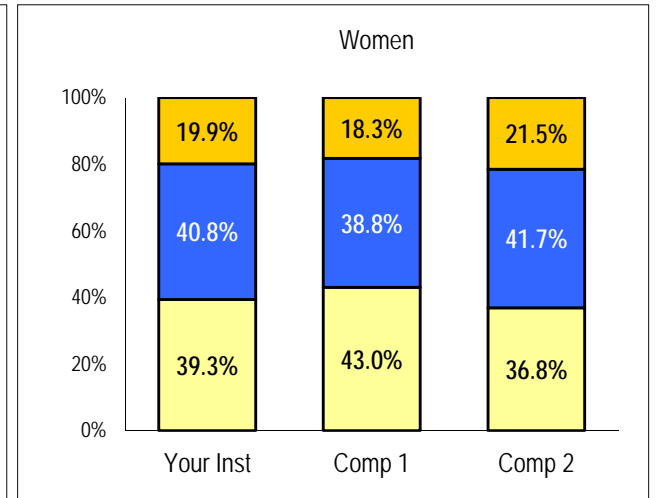
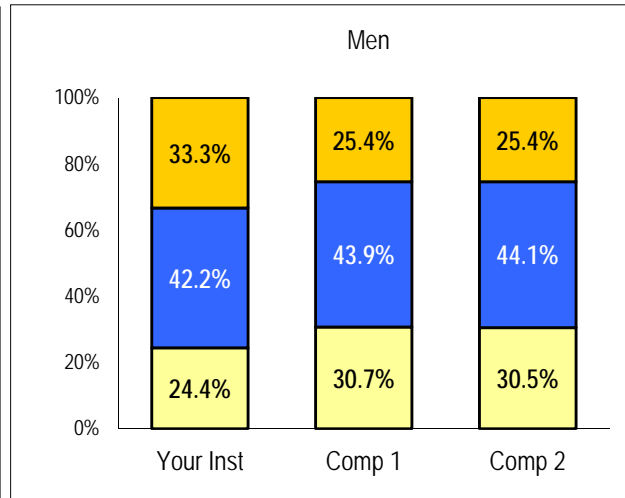
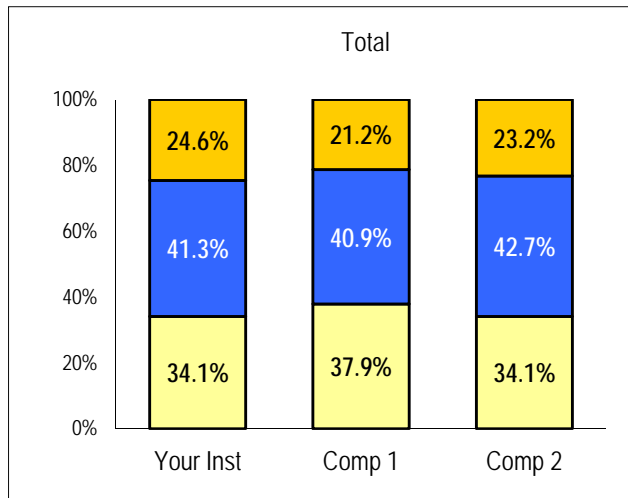


2017 CIRP Freshman Survey
First-time, Full-time Freshmen
Science Self-Efficacy
CIRP Construct Percentage Report

Science Self-Efficacy: A measure of students' confidence in their ability to conduct scientific research

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	642	3,466	12,593	225	1,368	5,971	417	2,098	6,622
High Science Self-Efficacy	24.6%	21.2%	23.2%	33.3%	25.4%	25.4%	19.9%	18.3%	21.5%
Average Science Self-Efficacy	41.3%	40.9%	42.7%	42.2%	43.9%	44.1%	40.8%	38.8%	41.7%
Low Science Self-Efficacy	34.1%	37.9%	34.1%	24.4%	30.7%	30.5%	39.3%	43.0%	36.8%
Significance (based on High score group)	-	-	-	-	-	-	-	-	-

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



Survey items and estimation "weights":

How confident are you that you can:

Use technical science skills (use of tools, instruments, and/or techniques) (1.48)

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)

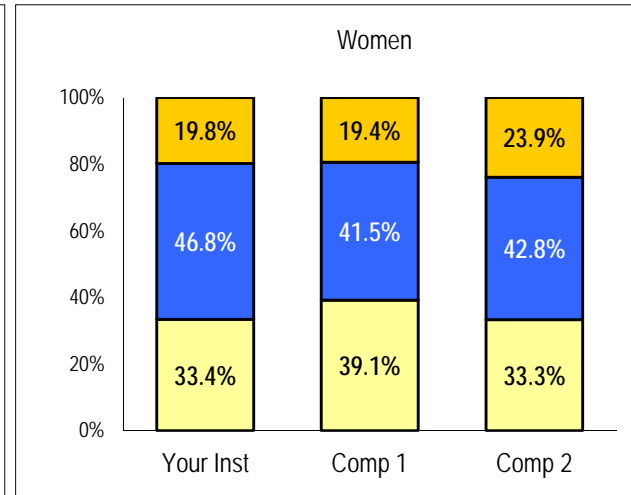
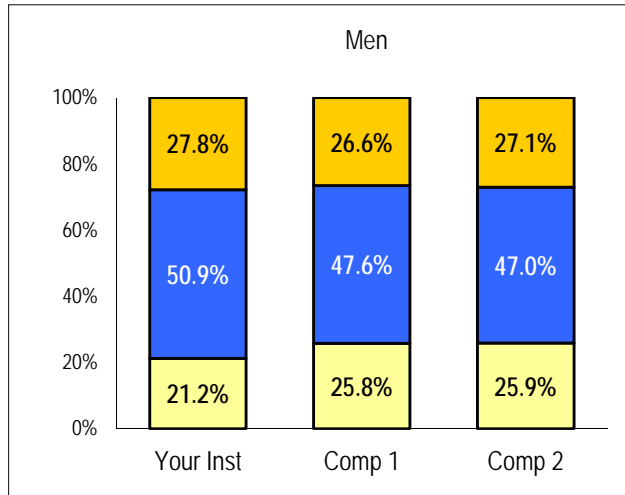
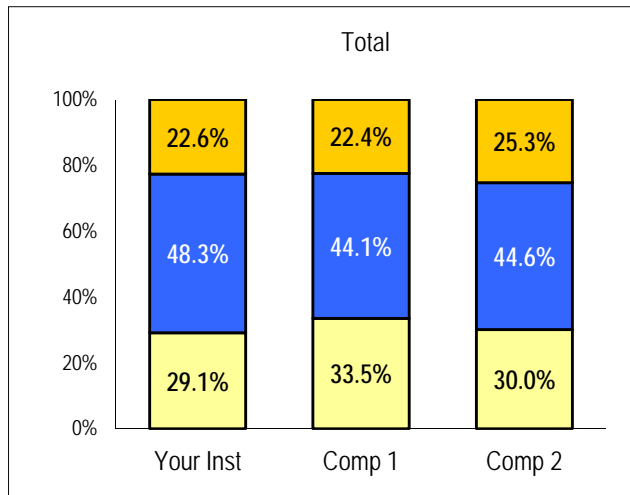
Understand scientific concepts (2.40)

See connections between different areas of science and mathematics (1.90)

Science Identity: The extent to which students conceive of themselves as scientists

California State University-Chico	Total			Men			Women		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	601	3,196	11,637	212	1,274	5,512	389	1,922	6,125
High Science Identity	22.6%	22.4%	25.3%	27.8%	26.6%	27.1%	19.8%	19.4%	23.9%
Average Science Identity	48.3%	44.1%	44.6%	50.9%	47.6%	47.0%	46.8%	41.5%	42.8%
Low Science Identity	29.1%	33.5%	30.0%	21.2%	25.8%	25.9%	33.4%	39.1%	33.3%
Significance (based on High score group)	-	-	-	-	-	-	-	-	-

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



Survey items and estimation "weights":

To what extent are the following statements true of you:

I have a strong sense of belonging to the community of scientists (3.52)

I derive great personal satisfaction from working on a team that is doing important research (1.78)

I think of myself as a scientist (5.53)

I feel like I belong in the field of science (4.43)