



HIGHER EDUCATION RESEARCH INSTITUTE AT UCLA
HOME OF THE COOPERATIVE INSTITUTIONAL RESEARCH PROGRAM

2023-2024 Diverse Learning Environments Survey

Factor Reports

Full-Time Respondents

Truman State University

Comparison group 1: All 4-Yr Colleges
Comparison group 2: All Participating Institutions

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Detailed information on factors can be found at:

https://www.heri.ucla.edu/PDFs/constructs/DLE_Factor_Appendix_2019.pdf

How to Read the Factor Reports

DLE Factor Definition – Summarizes the theoretical rationale for creating the factor

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 factor score for your institution and the comparison group. Factors 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.

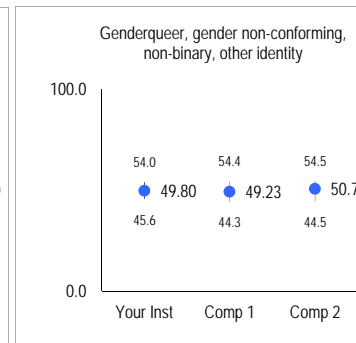
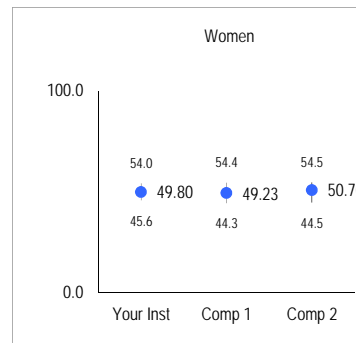
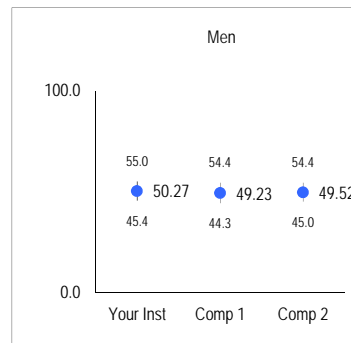
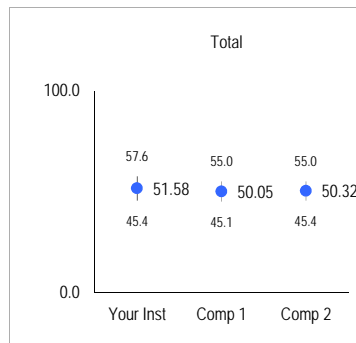
Cronbach's Alpha (α) – a statistical measurement of the reliability of the factor. A reliability coefficient of 0.7 or higher is generally considered acceptable in social science research.

DLE Factors are designed to capture the experiences and outcomes institutions are often interested in understanding, but present a measurement challenge because of their complex and multifaceted nature. To measure these broad underlying concepts, we use confirmatory factor analysis (CFA) to combine individual survey items into global measures that capture these areas. Factors are particularly useful for benchmarking; they allow you to determine if the experiences and outcomes for your students differ from your comparison groups.

Sense of Belonging measures the extent to which students feel a sense of academic and social integration on campus.

Sample University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	1,367	5,029	14,906	506	1,603	5,572	821	3,426	9,334	40	3,426	156
Mean	51.58	50.05	50.32	53.80	51.81	51.68	50.27	49.23	49.52	49.80	49.23	50.70
Standard deviation	7.92	7.86	7.84	8.49	8.29	8.22	7.25	7.51	7.50	7.11	7.51	7.67
Significance	-	***	***	-	***	***	-	***	**	-	***	**
Effect size	-	0.19	0.16	-	0.24	0.26	-	0.14	0.10	-	0.14	0.18
25th percentile	45.4	45.1	45.4	48.4	45.4	45.4	45.4	44.3	45.0	45.6	44.3	44.5
75th percentile	57.6	55.0	55.0	58.3	58.3	58.3	55.0	54.4	54.4	54.0	54.4	54.5

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



Survey items and factor loadings:

Please indicate the extent to which you agree or disagree with the following statements:

- * I feel a sense of belonging to this campus 0.905
- * I feel that I am a member of this college 0.812
- * If asked, I would recommend this college to others 0.648

Cronbach's $\alpha = 0.828$

Survey Items and Factor Loadings – The survey items used in the creation of the DLE Factor are presented in the order in which they contribute to the factor based on their loadings in confirmatory factor analysis.

Charts – Provide a visual display of relevant factor scores for your institution and two comparison groups.

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

It is possible for the 75th and 25th percentiles to be the same value for a factor that is composed of items where the most common response pattern is all low scores or all high scores. In that case, there will be no vertical line.

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

Comp 2 – The second comparison group is based on all participating institutions.

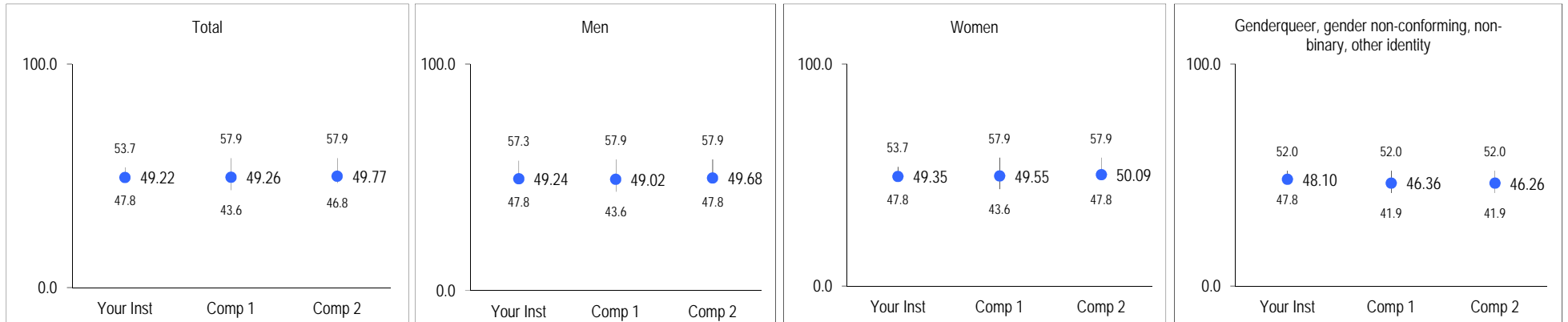
Mean – The arithmetic mean is computed for each DLE Factor. DLE Factors have been scaled to a population mean of 50 with a standard deviation of 10.

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. Note that a negative effect size is sometimes preferred (e.g., a negative effect size on the "Harassment" factor suggests your students score lower than comparison schools).

Sense of Belonging measures the extent to which students feel a sense of academic and social integration on campus.

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	219	1,265	1,938	62	379	582	140	826	1,251	17	56	98
Mean	49.22	49.26	49.77	49.24	49.02	49.68	49.35	49.55	50.09	48.10	46.36	46.26
Standard deviation	8.49	10.25	10.13	9.52	11.23	10.66	8.24	9.87	9.92	6.72	8.45	8.91
Significance	-			-			-			-		
Effect size	-	0.00	-0.05	-	0.02	-0.04	-	-0.02	-0.07	-	0.21	0.21
25th percentile	47.8	43.6	46.8	47.8	43.6	47.8	47.8	43.6	47.8	47.8	41.9	41.9
75th percentile	53.7	57.9	57.9	57.3	57.9	57.9	53.7	57.9	57.9	52.0	52.0	52.0

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



Survey items and factor loadings:

Please indicate the extent to which you agree or disagree with the following statements:

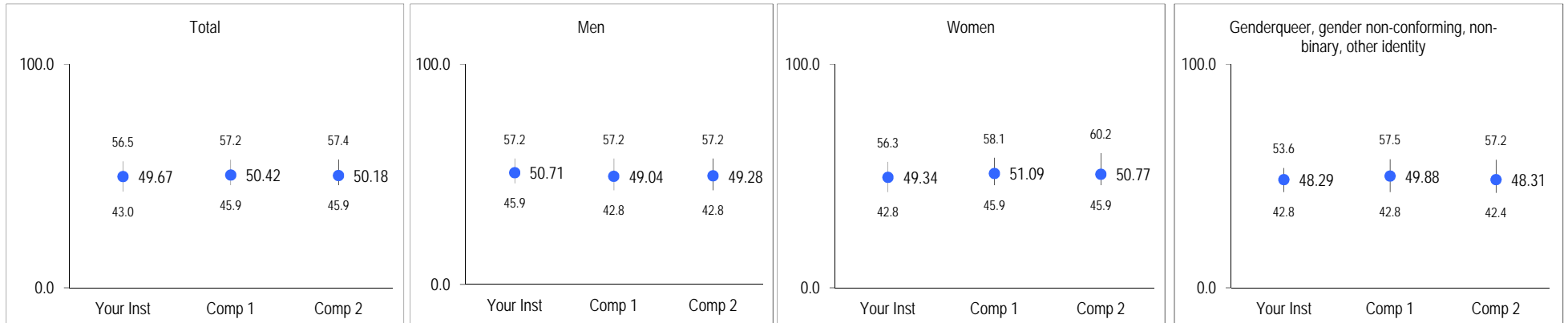
- * I feel a sense of belonging to this campus 0.905
- * I feel that I am a member of this college 0.812
- * If asked, I would recommend this college to others 0.648

Cronbach's α = 0.828

General Interpersonal Validation is a unified measure of students' view of faculty and staff's attention to their development.

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	212	1,233	1,894	62	373	573	135	801	1,218	15	55	97
Mean	49.67	50.42	50.18	50.71	49.04	49.28	49.34	51.09	50.77	48.29	49.88	48.31
Standard deviation	8.55	9.53	9.78	9.65	10.25	10.03	8.22	9.16	9.61	6.39	8.92	9.79
Significance	-			-			-	*		-		
Effect size	-	-0.08	-0.05	-	0.16	0.14	-	-0.19	-0.15	-	-0.18	0.00
25th percentile	43.0	45.9	45.9	45.9	42.8	42.8	42.8	45.9	45.9	42.8	42.8	42.4
75th percentile	56.5	57.2	57.4	57.2	57.2	57.2	56.3	58.1	60.2	53.6	57.5	57.2

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



Survey items and factor loadings:

Please indicate the extent to which you agree or disagree with the following statements:

- * At least one faculty member has taken an interest in my development 0.702
- * Faculty believe in my potential to succeed academically 0.728
- * At least one staff member has taken an interest in my development 0.675

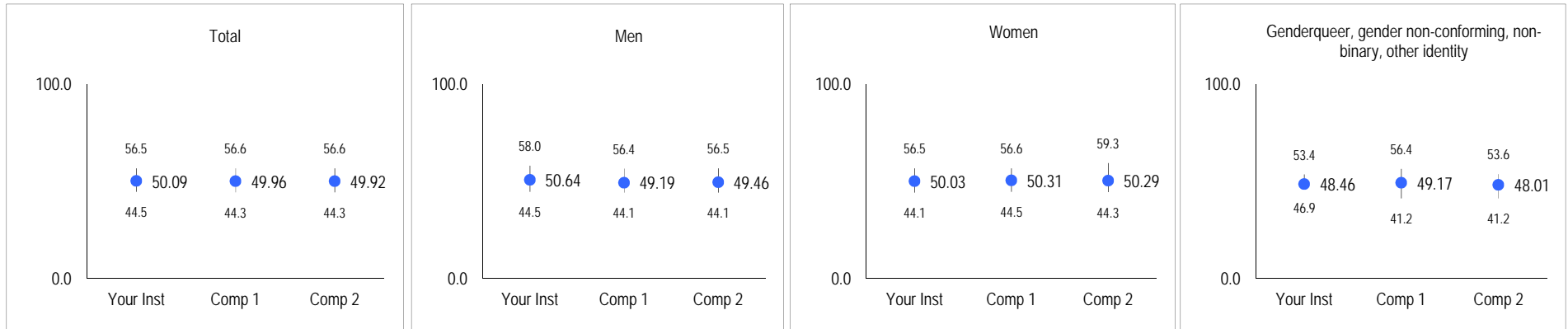
- * Faculty empower me to learn here 0.731
- * Staff encourage me to get involved in campus activities 0.558

Cronbach's $\alpha = 0.805$

Academic Validation in the Classroom measures the extent to which students' view of faculty actions in class reflect concern for their academic success.

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	169	981	1,490	48	275	442	108	656	963	13	47	80
Mean	50.09	49.96	49.92	50.64	49.19	49.46	50.03	50.31	50.29	48.46	49.17	48.01
Standard deviation	8.53	9.11	9.40	8.56	9.22	9.42	8.84	9.09	9.39	5.50	8.75	9.18
Significance	-			-			-			-		
Effect size	-	0.01	0.02	-	0.16	0.13	-	-0.03	-0.03	-	-0.08	0.05
25th percentile	44.5	44.3	44.3	44.5	44.1	44.1	44.1	44.5	44.3	46.9	41.2	41.2
75th percentile	56.5	56.6	56.6	58.0	56.4	56.5	56.5	56.6	59.3	53.4	56.4	53.6

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



Survey items and factor loadings:

Please indicate how often you have experienced the following *in class* at this college:

* Felt that my contributions were valued	0.883
* Felt that faculty provided me with feedback that helped me assess my progress	0.845
* Felt that faculty encouraged me to ask questions and participate in discussions	0.794
* Faculty were able to determine my level of understanding of the course material	0.779

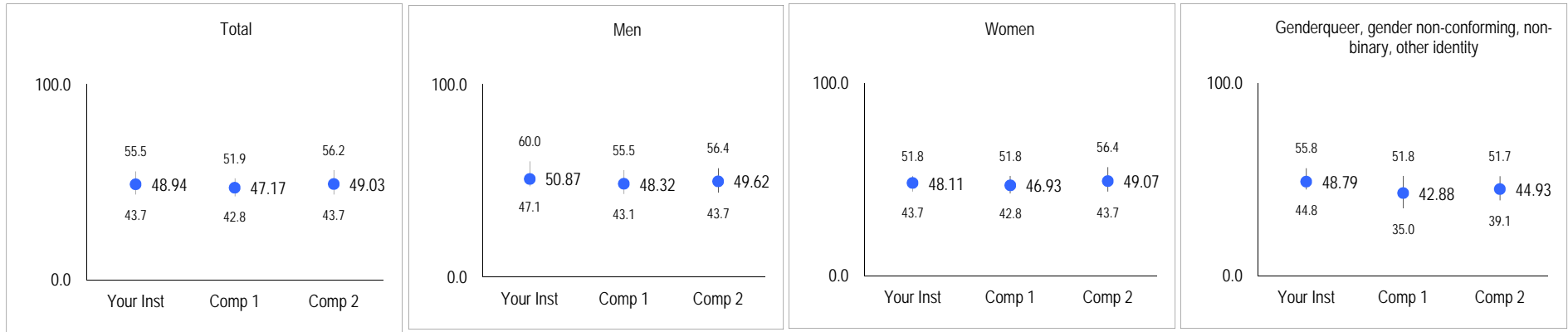
Cronbach's α = 0.895

2023-2024 Diverse Learning Environments Survey
Factor Report
Institutional Commitment to Diversity
Full-Time Respondents

Institutional Commitment to Diversity is a measure of a student's perception of the campus' commitment to diversity.

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	205	1,159	1,765	58	344	530	131	755	1,131	16	55	96
Mean	48.94	47.17	49.03	50.87	48.32	49.62	48.11	46.93	49.07	48.79	42.88	44.93
Standard deviation	8.85	10.16	10.05	10.25	9.70	9.52	8.05	10.20	10.22	9.11	11.23	10.05
Significance	-	*		-			-			-		
Effect size	-	0.17	-0.01	-	0.26	0.13	-	0.12	-0.09	-	0.53	0.38
25th percentile	43.7	42.8	43.7	47.1	43.1	43.7	43.7	42.8	43.7	44.8	35.0	39.1
75th percentile	55.5	51.9	56.2	60.0	55.5	56.4	51.8	51.8	56.4	55.8	51.8	51.7

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



Survey items and factor loadings:

Please indicate the extent to which you agree or disagree with the following statements. This college:

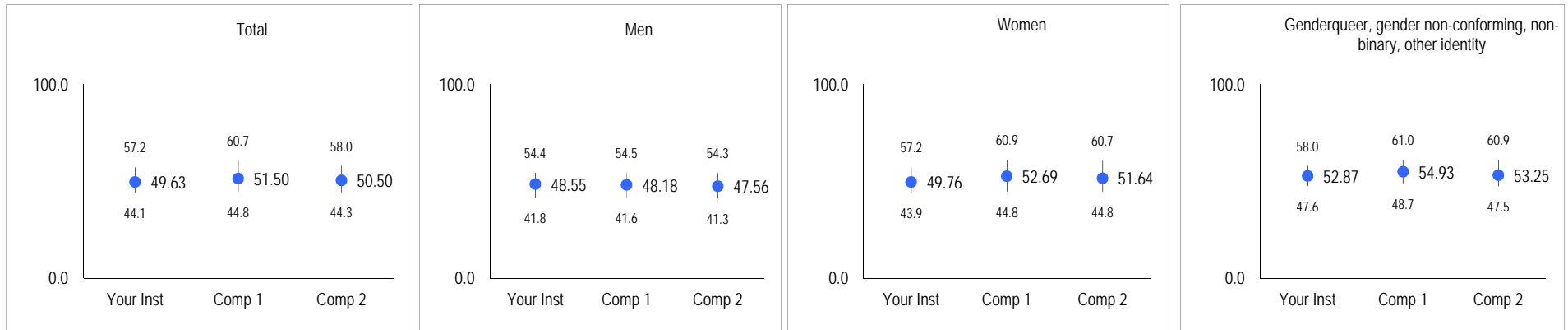
* Promotes the appreciation of cultural differences	0.825	* Has campus administrators who regularly speak about the value of diversity	0.668
* Has a long-standing commitment to diversity	0.829		
* Accurately reflects the diversity of the student body in publications (e.g., brochures, website)	0.788		

Cronbach's $\alpha = 0.856$

Critical Consciousness and Action is a unified measure of how often students critically examine and challenge their own and others' biases.

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	180	1,043	1,593	53	298	479	114	694	1,023	13	47	83
Mean	49.63	51.50	50.50	48.55	48.18	47.56	49.76	52.69	51.64	52.87	54.93	53.25
Standard deviation	8.87	9.39	9.71	8.89	9.46	9.68	8.95	9.06	9.47	7.73	7.77	9.09
Significance	-	*		-			-	**	*	-		
Effect size	-	-0.20	-0.09	-	0.04	0.10	-	-0.32	-0.20	-	-0.27	-0.04
25th percentile	44.1	44.8	44.3	41.8	41.6	41.3	43.9	44.8	44.8	47.6	48.7	47.5
75th percentile	57.2	60.7	58.0	54.4	54.5	54.3	57.2	60.9	60.7	58.0	61.0	60.9

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



Survey items and factor loadings:

How often in the past year did you:

* Critically evaluate your own privilege on an issue in regards to race/ethnicity, class, or immigration status

0.699

* Recognize the biases that affect your own thinking

0.676

* Make an effort to educate others about social issues

0.712

* Feel challenged to think more broadly about an issue

0.583

* Challenge others on issues of discrimination

0.753

* Make an effort to get to know people from diverse backgrounds

0.577

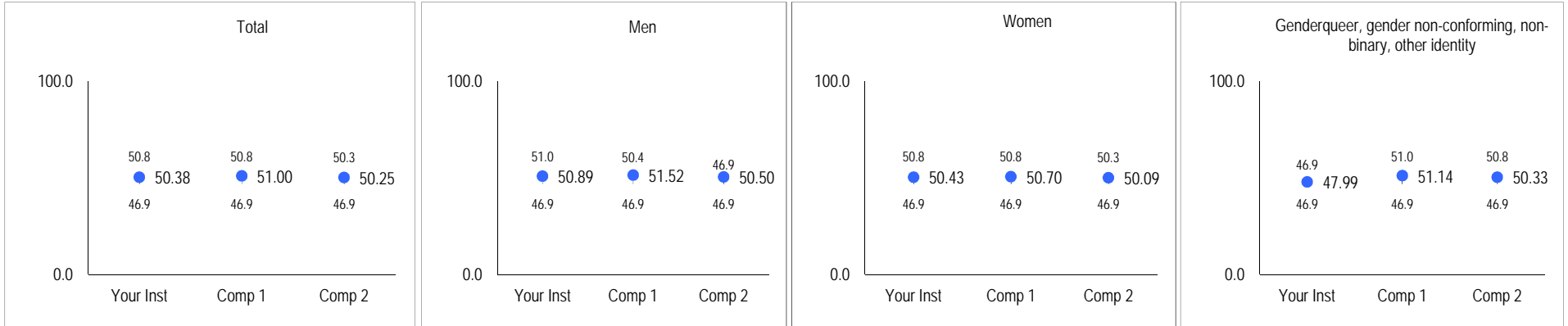
Cronbach's $\alpha = 0.828$

2023-2024 Diverse Learning Environments Survey
Factor Report
Harassment
Full-Time Respondents

Harassment measures the frequency that students experience threats or harassment.

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	179	1,012	1,542	51	288	462	115	672	990	13	47	82
Mean	50.38	51.00	50.25	50.89	51.52	50.50	50.43	50.70	50.09	47.99	51.14	50.33
Standard deviation	8.96	9.97	9.57	9.62	12.75	11.15	9.14	8.64	8.86	2.26	7.60	7.81
Significance	-			-			-			-		
Effect size	-	-0.06	0.01	-	-0.05	0.03	-	-0.03	0.04	-	-0.41	-0.30
25th percentile	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
75th percentile	50.8	50.8	50.3	51.0	50.4	46.9	50.8	50.8	50.3	46.9	51.0	50.8

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



Survey items and factor loadings:

Please indicate how often you have *personally* experienced the following forms of bias/harassment/discrimination at this college:

* Physical assaults or injuries 0.852

* Threats of physical violence 0.824

* Damage to personal property 0.695

At this college, how often have you:

* Reported an incident of sexual harassment to a campus authority 0.673

Cronbach's $\alpha = 0.857$

Please indicate how often you have *personally* experienced the following forms of bias/harassment/discrimination at this college:

* Anonymous phone calls 0.583

At this college, how often have you:

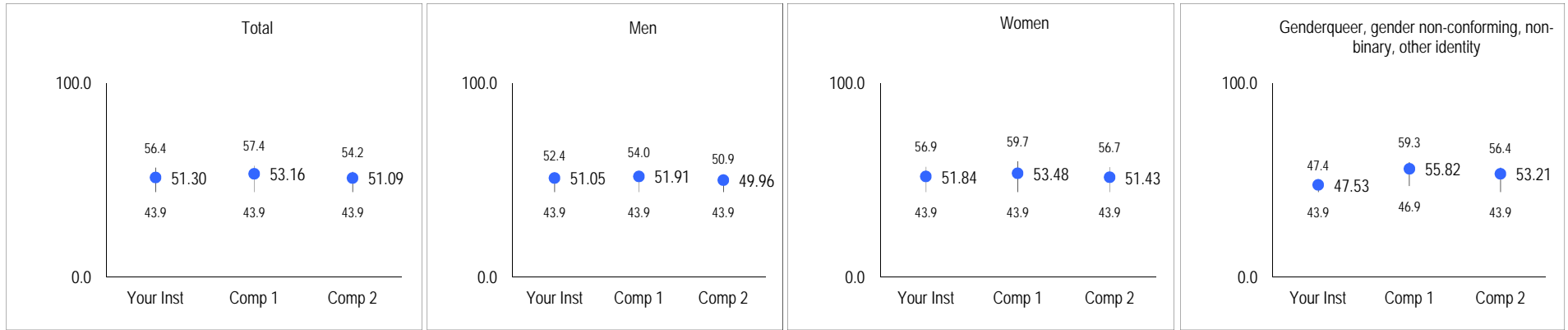
* Been sexually harassed 0.659

* Reported an incident of discrimination to a campus authority 0.583

Discrimination and Bias measures the frequency of students' experiences with more subtle forms of discrimination.

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	180	1,024	1,556	52	292	466	115	678	999	13	49	83
Mean	51.30	53.16	51.09	51.05	51.91	49.96	51.84	53.48	51.43	47.53	55.82	53.21
Standard deviation	9.25	11.32	10.49	10.87	11.69	10.40	8.80	10.84	10.24	4.51	14.84	13.22
Significance	-	*		-			-			-		
Effect size	-	-0.16	0.02	-	-0.07	0.10	-	-0.15	0.04	-	-0.56	-0.43
25th percentile	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	46.9	43.9
75th percentile	56.4	57.4	54.2	52.4	54.0	50.9	56.9	59.7	56.7	47.4	59.3	56.4

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



Survey items and factor loadings:

Please indicate how often you have *personally* experienced the following forms of bias/harassment/discrimination at this college:

- * Verbal comments 0.787
- * Cyberbullying (e.g., emails, texts, social media) 0.727
- * Offensive visual images or items 0.670
- * Exclusion (e.g., from gatherings, events) 0.741

At this college, how often have you:

- * Witnessed discrimination 0.669

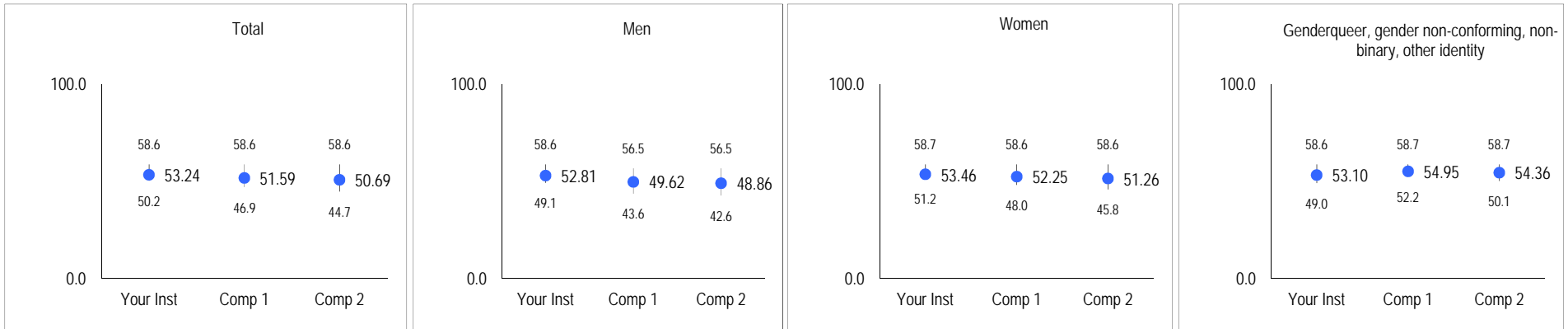
Cronbach's α = 0.832

2023-2024 Diverse Learning Environments Survey
Factor Report
Conversations Across Difference
Full-Time Respondents

Conversations Across Difference measures how often students have in-depth conversations with diverse peers.

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	179	1,040	1,580	54	300	474	112	687	1,015	13	48	83
Mean	53.24	51.59	50.69	52.81	49.62	48.86	53.46	52.25	51.26	53.10	54.95	54.36
Standard deviation	6.61	8.46	9.21	6.69	9.10	9.29	6.68	8.12	9.19	6.12	5.79	6.63
Significance	-	*	***	-	*	**	-		*	-		
Effect size	-	0.20	0.28	-	0.35	0.43	-	0.15	0.24	-	-0.32	-0.19
25th percentile	50.2	46.9	44.7	49.1	43.6	42.6	51.2	48.0	45.8	49.0	52.2	50.1
75th percentile	58.6	58.6	58.6	58.6	56.5	56.5	58.7	58.6	58.6	58.6	58.7	58.7

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



Survey items and factor loadings:

How often in the past year did you interact with someone:

* From a religion different from your own	0.773
* From a socioeconomic class different from your own	0.772
* Of a sexual orientation different from your own	0.738
* With a disability	0.563
* From a country other than your own	0.558

Cronbach's $\alpha = 0.786$

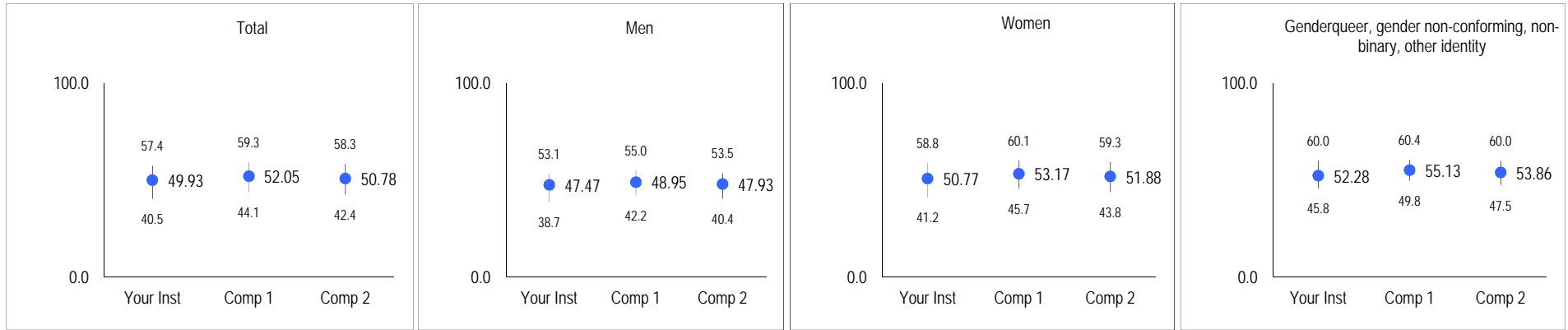
How often in the past year did you:

* Discuss issues related to sexism, gender differences, or gender equity	0.379
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Curriculum of Inclusion measures the number of courses a student has taken that include materials and pedagogy addressing diversity.

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	170	992	1,499	49	279	450	108	660	962	13	49	81
Mean	49.93	52.05	50.78	47.47	48.95	47.93	50.77	53.17	51.88	52.28	55.13	53.86
Standard deviation	9.74	9.83	9.82	9.07	8.79	8.92	9.87	10.06	10.03	10.10	8.46	8.68
Significance	-	**		-			-	*		-		
Effect size	-	-0.22	-0.09	-	-0.17	-0.05	-	-0.24	-0.11	-	-0.34	-0.18
25th percentile	40.5	44.1	42.4	38.7	42.2	40.4	41.2	45.7	43.8	45.8	49.8	47.5
75th percentile	57.4	59.3	58.3	53.1	55.0	53.5	58.8	60.1	59.3	60.0	60.4	60.0

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



Survey items and factor loadings:

How many courses have you taken at this college that included the following?

* Materials/readings about privilege	0.898	* Materials/readings about disability	0.761
* Materials/readings about socioeconomic class differences	0.881	* Opportunities for intensive dialogue between students with different backgrounds and beliefs	0.500
* Material/readings about race/ethnicity	0.877		
* Materials/readings about sexual orientation	0.866	* Opportunities to study and serve communities in need (e.g., service learning)	0.352
* Materials/readings about gender/gender identity	0.871		

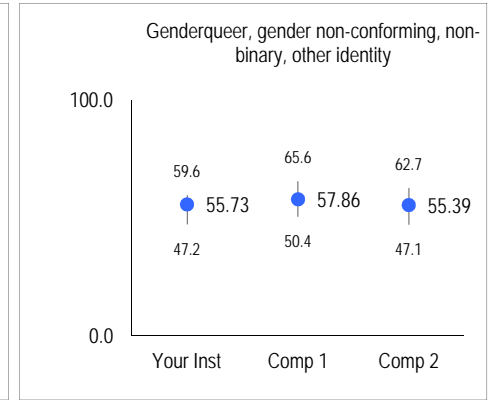
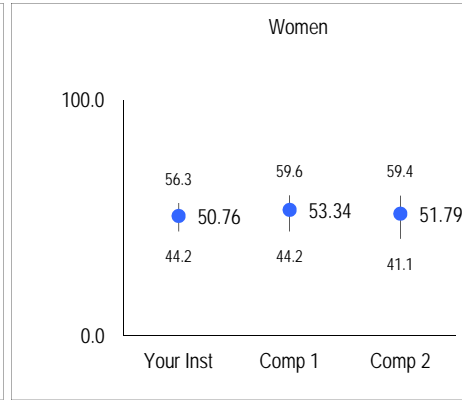
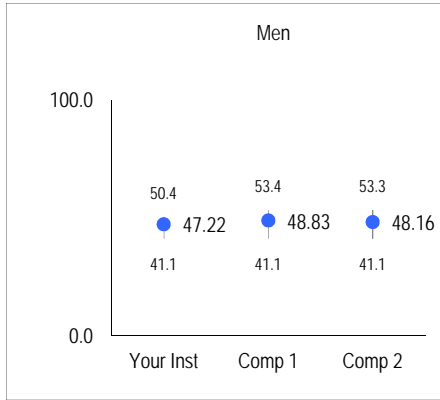
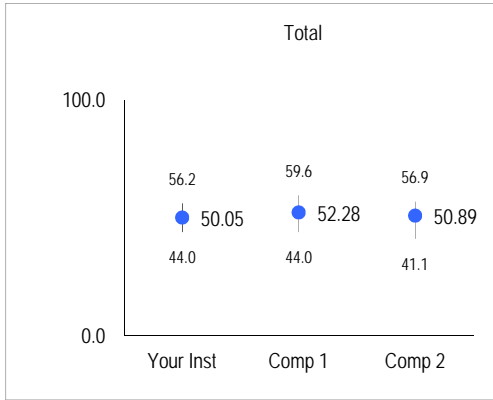
Cronbach's $\alpha = 0.913$

2023-2024 Diverse Learning Environments Survey
Factor Report
Co-Curricular Diversity Activities (Campus-Facilitated)
Full-Time Respondents

Co-Curricular Diversity Activities (Campus-facilitated) is a measure of students' involvement with institutional programs focused on diversity issues.

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	167	969	1,476	49	274	442	107	646	950	11	45	78
Mean	50.05	52.28	50.89	47.22	48.83	48.16	50.76	53.34	51.79	55.73	57.86	55.39
Standard deviation	8.18	10.41	10.20	7.61	9.41	9.28	7.91	10.47	10.31	9.37	9.78	10.46
Significance	-	**		-			-	*		-		
Effect size	-	-0.21	-0.08	-	-0.17	-0.10	-	-0.25	-0.10	-	-0.22	0.03
25th percentile	44.0	44.0	41.1	41.1	41.1	41.1	44.2	44.2	41.1	47.2	50.4	47.1
75th percentile	56.2	59.6	56.9	50.4	53.4	53.3	56.3	59.6	59.4	59.6	65.6	62.7

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



Survey items and factor loadings:

Since entering this college, how often have you:

* Participated in ongoing campus-organized discussions on racial/ethnic issues (e.g., intergroup dialogue)	0.876
* Attended events focused on diversity (e.g., presentations, performances, art exhibits, debates)	0.820
* Participated in Campus Center activities (e.g., LGBTQ+, Racial/Ethnic, Cultural, Women's/Men's, Religious, Disability Centers)	0.778

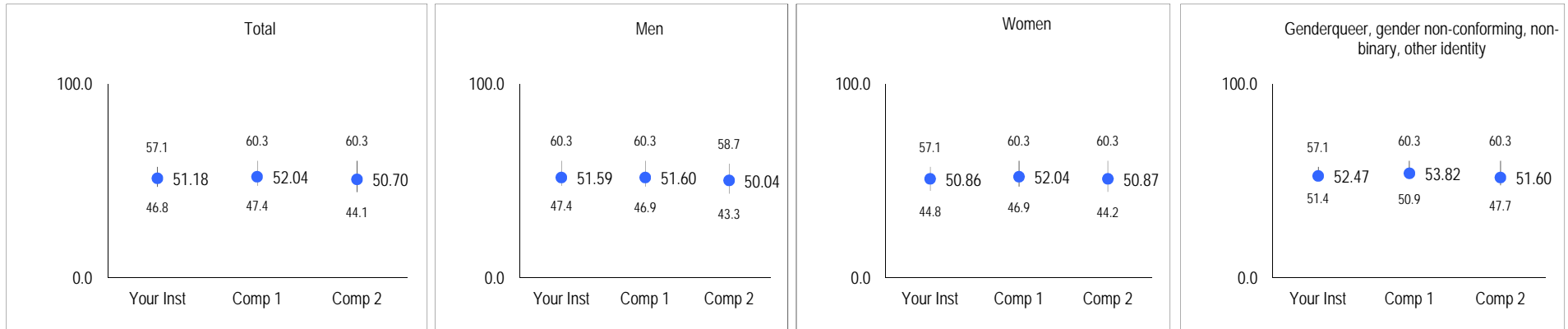
Cronbach's $\alpha = 0.862$

2023-2024 Diverse Learning Environments Survey
Factor Report
Habits of Mind
Full-Time Respondents

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.

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	175	1,019	1,555	49	286	460	113	678	1,003	13	50	85
Mean	51.18	52.04	50.70	51.59	51.60	50.04	50.86	52.04	50.87	52.47	53.82	51.60
Standard deviation	8.23	8.46	9.44	7.45	8.39	9.50	8.62	8.58	9.45	7.98	7.21	8.99
Significance	-			-			-			-		
Effect size	-	-0.10	0.05	-	0.00	0.16	-	-0.14	0.00	-	-0.19	0.10
25th percentile	46.8	47.4	44.1	47.4	46.9	43.3	44.8	46.9	44.2	51.4	50.9	47.7
75th percentile	57.1	60.3	60.3	60.3	60.3	58.7	57.1	60.3	60.3	57.1	60.3	60.3

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



Survey items and factor loadings:

How often in the past year did you:

* Seek solutions to problems and explain them to others	0.776	* Look up scientific research articles and resources	0.658
* Support your opinions with a logical argument	0.753	* Accept mistakes as part of the learning process	0.528
* Explore topics on your own, even though it was not required for a class	0.674		

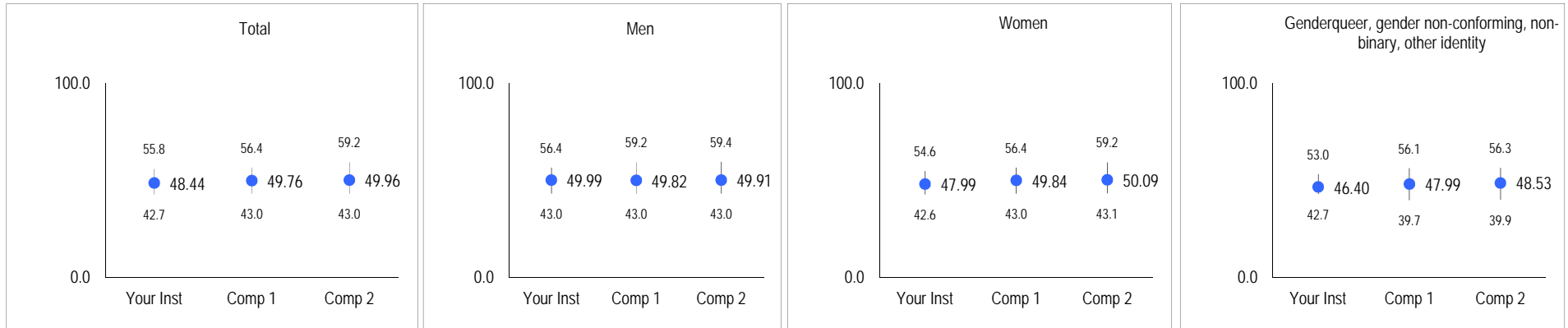
Cronbach's α = 0.810

2023-2024 Diverse Learning Environments Survey
Factor Report
Pluralistic Orientation
Full-Time Respondents

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

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	214	1,243	1,895	61	375	578	136	808	1,213	17	55	97
Mean	48.44	49.76	49.96	49.99	49.82	49.91	47.99	49.84	50.09	46.40	47.99	48.53
Standard deviation	9.22	9.52	9.70	8.60	9.69	9.79	9.50	9.36	9.60	8.79	10.02	10.04
Significance	-		*	-			-	*	*	-		
Effect size	-	-0.14	-0.16	-	0.02	0.01	-	-0.20	-0.22	-	-0.16	-0.21
25th percentile	42.7	43.0	43.0	43.0	43.0	43.0	42.6	43.0	43.1	42.7	39.7	39.9
75th percentile	55.8	56.4	59.2	56.4	59.2	59.4	54.6	56.4	59.2	53.0	56.1	56.3

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



Survey items and factor loadings:

How would you currently rate yourself in the following areas:

* Openness to having my own views challenged	0.705	* Ability to discuss and negotiate controversial issues	0.631
* Tolerance of others with different beliefs	0.673	* Ability to work cooperatively with diverse people	0.654
* Ability to see the world from someone else's perspective	0.636		

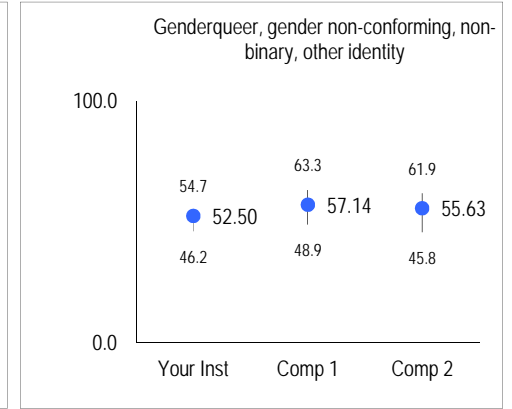
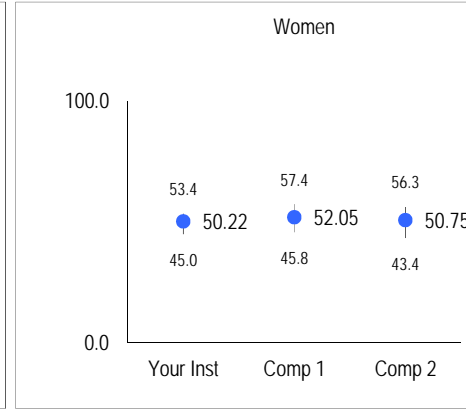
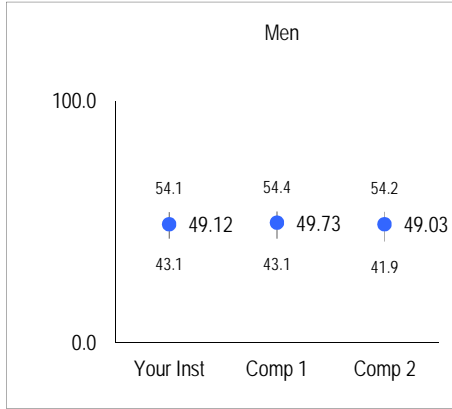
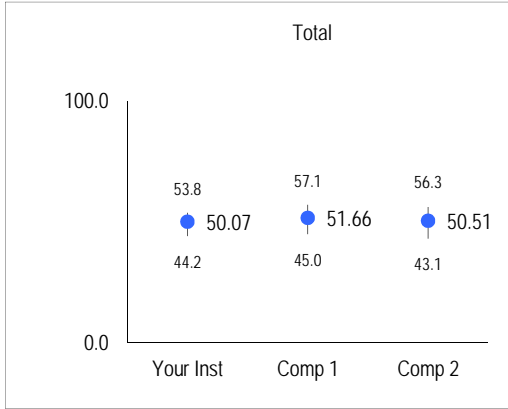
Cronbach's $\alpha = 0.790$

2023-2024 Diverse Learning Environments Survey
Factor Report
Civic Engagement
Full-Time Respondents

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

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	170	972	1,482	50	273	440	107	648	956	13	47	80
Mean	50.07	51.66	50.51	49.12	49.73	49.03	50.22	52.05	50.75	52.50	57.14	55.63
Standard deviation	7.60	9.36	9.84	7.87	8.99	9.38	7.18	9.13	9.66	9.72	11.62	12.29
Significance	-	*		-			-	*		-		
Effect size	-	-0.17	-0.04	-	-0.07	0.01	-	-0.20	-0.05	-	-0.40	-0.25
25th percentile	44.2	45.0	43.1	43.1	43.1	41.9	45.0	45.8	43.4	46.2	48.9	45.8
75th percentile	53.8	57.1	56.3	54.1	54.4	54.2	53.4	57.4	56.3	54.7	63.3	61.9

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



Survey items and factor loadings:

Since entering this college, how often have you:

* Publicly communicated your opinion about a cause (e.g., blog, email, petition)

0.771

* Discussed politics

0.655

* Demonstrated for a cause (e.g., boycott, rally, protest)

0.738

* Performed community service

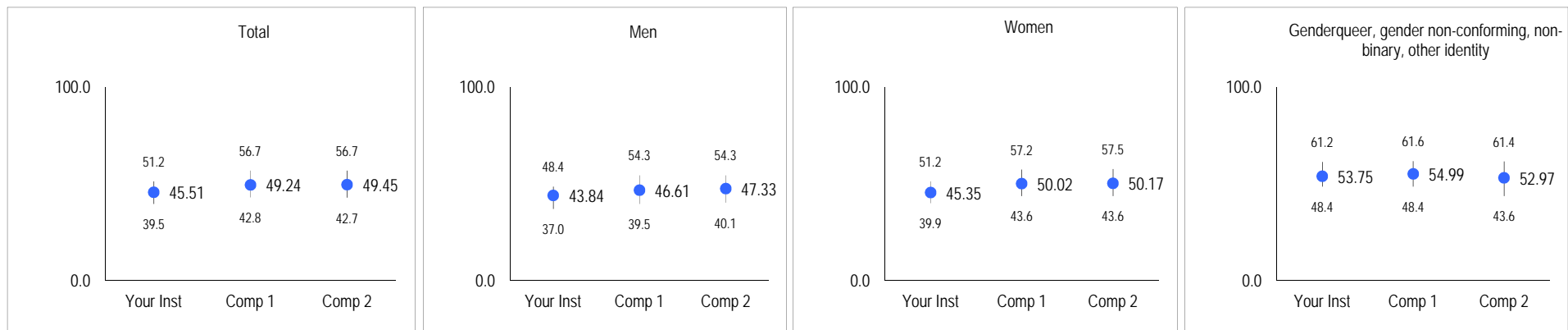
0.458

Cronbach's α = 0.741

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

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	189	1,082	1,642	57	318	496	118	706	1,050	14	53	88
Mean	45.51	49.24	49.45	43.84	46.61	47.33	45.35	50.02	50.17	53.75	54.99	52.97
Standard deviation	9.65	10.00	10.13	9.70	10.02	10.27	9.38	9.65	9.84	8.06	9.64	10.21
Significance	-	***	***	-	*	*	-	***	***	-	-	-
Effect size	-	-0.37	-0.39	-	-0.28	-0.34	-	-0.48	-0.49	-	-0.13	0.08
25th percentile	39.5	42.8	42.7	37.0	39.5	40.1	39.9	43.6	43.6	48.4	48.4	43.6
75th percentile	51.2	56.7	56.7	48.4	54.3	54.3	51.2	57.2	57.5	61.2	61.6	61.4

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



Survey items and factor loadings:

Please indicate the importance to you personally of each of the following:

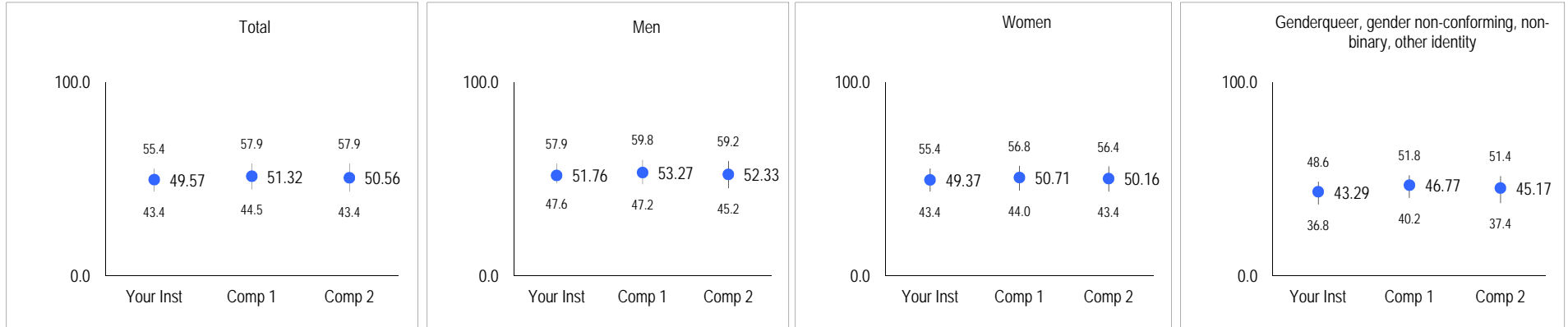
* Influencing the political structure (e.g., voting, education campaigns, get-out-the-vote)	0.795
* Keeping up to date with political affairs	0.708
* Influencing social values	0.624
* Helping to promote racial understanding	0.644

Cronbach's α = 0.787

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

Truman State University	Total			Men			Women			Genderqueer, gender non-conforming, non-binary, other identity		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
Total (n)	218	1,255	1,914	61	376	575	140	817	1,231	17	58	101
Mean	49.57	51.32	50.56	51.76	53.27	52.33	49.37	50.71	50.16	43.29	46.77	45.17
Standard deviation	9.10	9.42	9.75	9.10	9.87	10.08	8.80	9.09	9.41	8.90	8.32	9.41
Significance	-	*		-			-			-		
Effect size	-	-0.19	-0.10	-	-0.15	-0.06	-	-0.15	-0.08	-	-0.42	-0.20
25th percentile	43.4	44.5	43.4	47.6	47.2	45.2	43.4	44.0	43.4	36.8	40.2	37.4
75th percentile	55.4	57.9	57.9	57.9	59.8	59.2	55.4	56.8	56.4	48.6	51.8	51.4

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



Survey items and factor loadings:

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

* Academic ability	0.811
* Self-confidence (intellectual)	0.673
* Drive to achieve	0.572
* Mathematical ability	0.491

Cronbach's α = 0.720