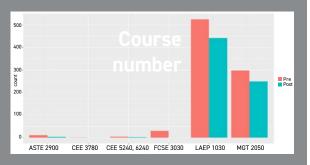
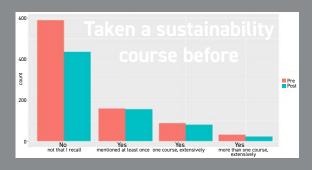
Spring 2021 Sustainability

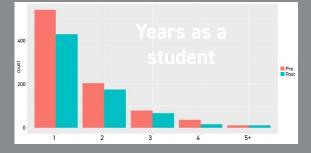
USU Students took the sustainability assessment as a part of a participating class. A total of 870 students with majors in every college participated in the pre-assessment in late January or early February, and 696 participated in the post-assessment in late April or early May 2021.

Who took the pilot assessment?









Utah State University Assessment Pilot

What did the assessment measure?

- 1. An 12-question Assessment of Sustainability Knowledge (ASK)
- 2. An 8-question assessment of students' relationship to nature (relational values)
- 3. Students' self-assessment of sustainability knowledge and the importance of sustainability to them

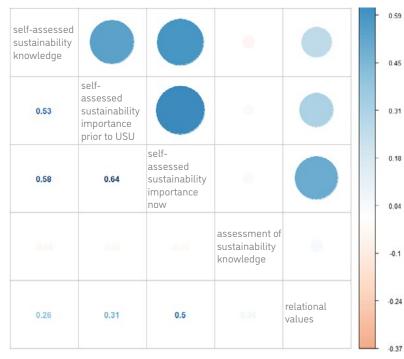
Major Takeaways

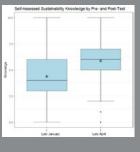
Self-assessed sustainability knowledge and selfevaluation of sustainability importance significantly increased between pre- and post-assessments

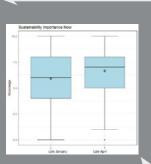
The objective Assessment of Sustainability Knowledge and relational values did not meaningfully change between pre- and post-assessments.

The number of courses including sustainability a student had taken affected ASK scores, self-assessed sustainability knowledge, and self-assessed importance of sustainability.

The self-assessed response variables show moderate correlations. ASK scores had negligible relationships to the other variables.







Were scores different between...

Course number? Unknown.

• More participants in more classes would help answer this question better.

College of major? Sometimes.

- Business students tended to assess their own sustainability knowledge lower.
- Engineering students scored better on ASK.
- QCNR students tended to rate the importance of sustainability higher and report higher relational values.
- More participants in colleges under represented in these data would help answer this question better.

Years as a student? Mostly no.

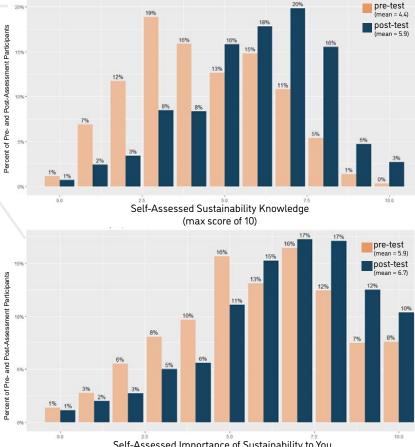
• Years as a student did not influence ASK score, self-assessed importance of sustainability, or self-assessed knowledge of sustainability when taking into account other variables, such as sustainability courses taken.

Sustainability courses taken? Yes!

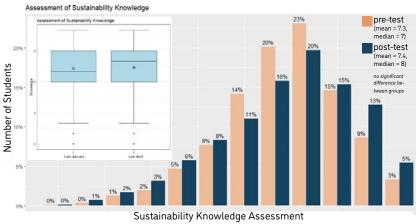
- Students who had taken more than one other course in which sustainability was discussed extensively had higher ASK scores and assessed their sustainability knowledge higher.
- Students who had not taken a course that mentioned sustainability rated the importance of sustainability and their knowledge of sustainability lower.

Who has taken sustainability classes?

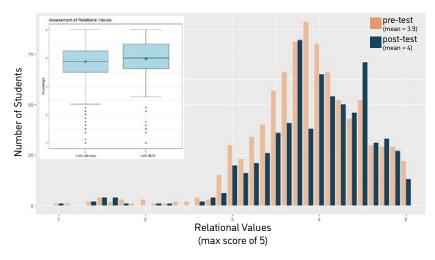
• Students who have been at USU 5+ years, consider sustainability important, and have higher ASK scores are more likely to have taken a sustainability class.



Self-Assessed Importance of Sustainability to You (max score of 10)



(max score of 12)



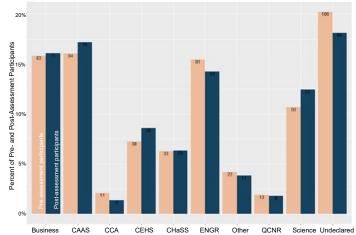
EP Results

A total of 524 students completed the pre-assessment, and 442 students completed the post-assessment from LAEP 1030. More males than females completed the survey.

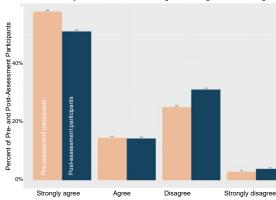
Students from majors in every college responded. Low numbers from the Caine College and QCNR make college-specific results for those colleges unreliable.

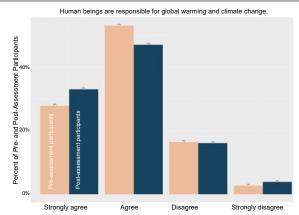
	Pre-assessment	Post-assessment
Female	185	163
Male	331	271
Transgender or gender not listed	8	8

LAEP 1030 Sustainability Assessment Participants by College



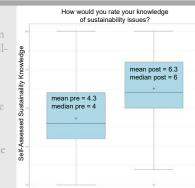
I believe my actions have an influence on global warming and climate change





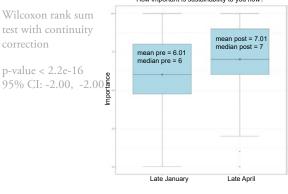
Students answered two change between pre-

knowledge of sustainabilof the semester.



Late January

How important is sustainability to you now?



Wilcoxon rank sum test with continuity

p-value < 3.59e-11 95% CI: -1.00, -1.00

Students also completed a answered eight questions on relationships to nature. were significant, the changes were too small to be substantial. Accumulated changes may

Late April

students who take multiple

Assessment of Sustainability Relational Values (1-5) Knowledge Scores (0-12)

mean pretest = 7.36median pretest = 8

mean posttest = 7.58 median posttest = 8

Wilcoxon rank sum test with continuity correction

p-value = 0.02 95% CI: -1.00, -0.00

mean pretest = 3.91

mean posttest = 4.06

Wilcoxon rank sum test with continuity correction p-value = 5.05e-05

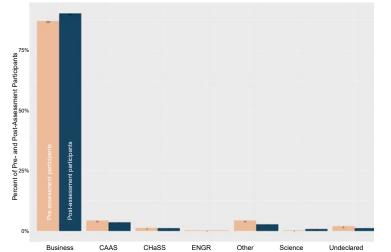
95% CI: -0.25, -0.12

MGT 2050 Results

A total of 298 students completed the pre-assessment, and 249 students completed the post-assessment from MGT 2050. More males than females completed the survey.

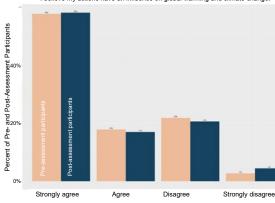
Students from majors in five colleges responded. The majority had majors in the Huntsman School of Business.

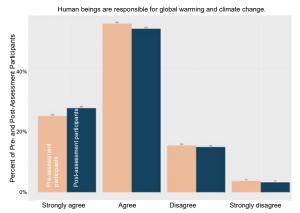
	Pre-assessment	Post-assessment
Female	111	88
Male	184	156
Transgender or gender not listed	3	5



MGT 2050 Sustainability Assessment Participants by College

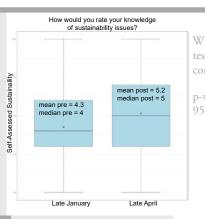
I believe my actions have an influence on global warming and climate change





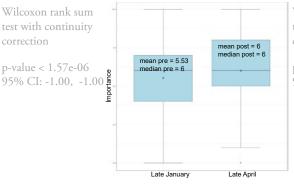
Students answered two change between pre-

sustainability knowledge the importance of significantly but not course of the semester.



tribution were not significant.

How important is sustainability to you now?



Wilcoxon rank sum test with continuity

p-value 0.01 95% CI: -1.00, -0.00

Students also completed a p-values for a change in dis-

Assessment of Sustainability Relational Values (1-5) Knowledge Scores (0-12)

mean pretest = 7.14 median pretest = 7

mean posttest = 7.03 median posttest = 7

Wilcoxon rank sum test with continuity correction

p-value = 0.68 95% CI: 0.00, 0.00

mean pretest = 3.80

mean posttest = 3.88

Wilcoxon rank sum test with continuity correction p-value = 0.33

95% CI: -0.13, 0.00