

(BETA) PULSE Insights Tool v2.0

About this Tool

This tool analyzes [PULSE](#) and SLE survey data you provide. It compares responses between students who report high and low representation in their engineering programs. All data processing is done locally in your browser - **no data is sent to or stored on any server**. [Show More About this Tool](#)

Step 1:

Export your SLE data as an Excel file. [Show Instructions](#)

Step 2:

Drag & drop your Excel file here or click to select.
Your analysis and full results should appear below.

Course Information

Course	CS361: SOFTWARE ENGINEERING I
Term	Fall Term 2024 (202501)
Instructor	Larissa Letaw

Analysis

Notes: "**LowRep**" refers to less represented students (responses below or at the median for "Students like me are REPRESENTED in my engineering major/minor"). "**HighRep**" refers to more represented students (responses above the median). "**Median**" refers to the interpolated median, which is used by the SLE. **Maximum median is 6.0** (Strongly Agree).

In your results...

- LowRep students responded less favorably than HighRep students for **95.45%** of the questions.
- HighRep students responded less favorably than LowRep students for **4.55%** of the questions.
- LowRep and HighRep students responded the same for **0.00%** of the questions.
- Top questions where LowRep and HighRep medians are farthest apart:
 - "**Students like me are REPRESENTED in my engineering major/minor.**" with a difference of **1.32** (LowRep: **4.68**, HighRep: **6.00**)
 - "**The course as a whole was**" with a difference of **1.21** (LowRep: **4.58**, HighRep: **5.79**)

- Top questions where LowRep and HighRep ranks are farthest apart:
 - **"Students like me are REPRESENTED in my engineering major/minor."** with a rank difference of **18** (LowRep rank: **20**, HighRep rank: **2**)
 - **"Course learning activities helped me connect to the content."** with a rank difference of **12** (LowRep rank: **18**, HighRep rank: **6**)
- The average median for LowRep is **4.83**.
- The average median for HighRep is **5.73**.

What should I do based on these data?

If there are big differences between how your LowRep and HighRep students responded, consider where the largest gaps are and how you might address them. Contact the [EECS Effective & Inclusive Teaching Practice Committee](#) or the [Center for Teaching and Learning](#) for ideas. Then, re-run this analysis for a future term to determine whether your change might have helped. Remember to [use the PULSE questions](#) each term.

Full Results

Click on any column heading to sort the table by that column.

Question	Median	LowRep Median	HighRep Median	n	LowRep n	HighRep n	Rank	LowRep Rank	HighRep Rank
My instructor modeled and promoted inclusivity.	5.83	5.27	6.00	67	27	34	1	3	1
The course materials were accessible to me.	5.81	5.30	5.98	72	28	34	2	1	3
I felt like I belonged in this course.	5.70	4.95	5.97	70	28	34	5	10	4
This course was structured so that I could work effectively with others who were different from me.	5.73	5.25	5.91	68	28	34	3	5	9
I had the necessary resources to achieve the course learning outcomes.	5.65	4.95	5.91	70	28	34	8	11	10
Course learning activities helped me connect to the content.	5.63	4.75	5.95	71	28	34	10	18	6
❤ Students like me are REPRESENTED in my engineering major/minor.	5.59	4.68	6.00	62	28	34	13	20	2

🍅 This course helped me believe I can SUCCEED in an engineering field.	5.31	4.77	5.84	70	28	33	20	16	19
🍅 Because of this course, I feel more likely to COMPLETE an engineering major/minor.	5.38	5.00	5.84	69	27	33	17	8	20
🍅 Because of this course, I feel more like I BELONG in an engineering major/minor.	5.35	4.90	5.87	66	26	33	18	13	16
🍅 Because of this course, I feel more SATISFIED with my engineering major/minor.	5.41	5.00	5.85	68	27	34	16	9	17
If you read this question then select mostly disagree.	2.02	2.02	2.02	62	24	29	22	22	22
This course was well organized.	5.33	4.68	5.85	72	28	34	19	19	18
Course activities gave me the chance to show my progress towards course learning outcomes.	5.64	4.93	5.93	72	28	34	9	12	8
Feedback on test, assignments, and/or graded activities informed my thinking and learning.	5.57	4.77	5.95	71	28	33	14	17	7
Directions and expectations for tests, assignments and/or graded activities were clear.	5.63	4.86	5.89	71	27	34	11	15	13
Tests, assignments and/or graded activities matched the course learning outcomes.	5.71	5.05	5.97	71	28	34	4	6	5

My instructor addressed students' non-academic needs.	5.68	5.27	5.87	56	23	29	7	4	15
I had opportunities to develop professional skills.	5.68	5.28	5.91	72	28	34	6	2	11
I had opportunities to become a better learner.	5.63	5.05	5.91	70	28	33	12	7	12
The course as a whole was	5.12	4.58	5.79	72	28	34	21	21	21
The instructor's contribution to the course was	5.50	4.88	5.88	70	28	32	15	14	14