

@STEM_journeys STEM student survey

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Gendered Journeys: the trajectories of STEM students and graduates through higher education and into employment, in multiple global south contexts.

This survey is for individuals currently studying Science, Technology, Engineering and Maths (STEM) fields in a higher education institution in Rwanda, India or the UK. The aim of the survey is to explore how being female, male or gender non-conforming impacts the experiences and outcomes of STEM students and graduates through higher education and into employment in both India and Rwanda. We will look at reasons why people start studying and working in STEM fields, why they stay or leave STEM, and what helps them progress in their studies and careers.

Thank you for taking the time to complete this survey, it should take around 20 minutes to complete. If you are unable to complete the survey in one sitting it is also possible to save your answers and return by pressing 'Finish later' at the bottom of each survey page. This will generate a unique link that will take you back to this point when you wish to continue and you can either bookmark this or request it to be emailed to you.

Your participation is voluntary, any personal details will be kept confidential to the research team, and all data will be anonymised at the analysis stage. Your data will be collectively analysed, in line with non-disclosive reporting, to explore the experiences and outcomes of STEM students. It will be anonymised, securely stored (electronically password protected spreadsheets) and will be destroyed upon 10 years post-completion of the study. In the interest of open science, a de-identified dataset will be securely archived for future research purposes.

The data collected will be used for the production of academic publications, such as conferences, journal articles and other research outputs online or in print. It will also contribute indirectly to creating networks for people working in STEM in India, Rwanda and the UK. You are welcome to join and participate in our discussions on Twitter: @STEM_journeys.

For any queries, please contact: Dr Barbara Read (Principal Investigator) barbara.read@glasgow.ac.uk

I give my consent to the use of data for this purpose on the understanding that:

- Any material likely to identify individuals will be anonymised.
- The material will be treated as confidential and kept in secure storage at all times.
- Personal data will be destroyed upon completion of the project.
- The material will be retained in secure storage for use in future academic research.
- The material may be used in future publications, both print and online.

* * Required

☐ I understand that my participation is voluntary

* * Required

☐ I acknowledge that there will be no effect on my grades arising from my participation or non-participation in this research.

Please fill in a unique code below based on this formula: the day of your birth and the last three letters of your mother's name. For example, if your birthday is 30 March and your mother's name is Mary, your code would be: 30ARY. *

Required

Your answer should be no more than 5 characters long.

In the following sections, we will ask you questions about your background

How old are you?

Do you have any long-term physical health conditions?

Please select exactly 1 answer(s).

☐ No

☐ Yes

☐ Prefer not to say

If you selected Yes, please specify:

Do you have any long-term mental health conditions?

Please select exactly 1 answer(s).

☐ No

☐ Yes

☐ Prefer not to say

If you selected Yes, please specify:

Which country were you born in?

If you selected Dual Nationality/Other, please specify:

What is your nationality?

If you selected Dual Nationality/Other, please specify:

[REDACTED]

[REDACTED]

- ☐ [REDACTED]
- ☐ [REDACTED]
- ☐ [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

- ☐ [REDACTED]
- ☐ [REDACTED]
- ☐ [REDACTED]
- ☐ [REDACTED]

[REDACTED]

- ☐ [REDACTED]
- ☐ [REDACTED]
- ☐ [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

☐ [REDACTED]

☐ [REDACTED]

☐ [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

☐ [REDACTED]

☐ [REDACTED]

☐ [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

British and Irish Nationalites

Which one of the following best describes your gender?

- ☐ Female
- ☐ Male
- ☐ Non-binary/non-gender conforming
- ☐ Prefer to self-describe
- ☐ Prefer not to say

If you selected Prefer to self-describe, please specify:

Do you identify as trans?

- ☐ Yes
- ☐ No
- ☐ Prefer not to say

How would you best describe your ethnicity?

If you selected Other, please specify:

How would you best describe your religion?

If you selected Other, please specify:

How would you best describe the area you are from?

- ☐ Rural
- ☐ Suburban
- ☐ Urban

What is your first language?

If you selected Other, please specify:

Do you speak any other languages?

If you selected Yes, please specify:

What is the name of the university or higher education institution you are studying at?

If you selected Other, please specify:

Other/Dual Nationality

Which one of the following best describes your gender?

- ☐ Female
- ☐ Male
- ☐ Non-binary/non-gender conforming
- ☐ Prefer to self-describe
- ☐ Prefer not to say

If you selected Prefer to self-describe, please specify:

Do you identify as trans?

- ☐ Yes
- ☐ No
- ☐ Prefer not to say

How would you best describe your ethnicity?

If you selected Other, please specify:

How would you best describe your religion?

If you selected Other, please specify:

How would you best describe the area you are from?

- ☐ Rural
- ☐ Suburban
- ☐ Urban

What is your first language?

If you selected Other, please specify:

Do you speak any other languages?

If you selected Yes, please specify:

What is the name of the university or higher education institution you are studying at?

If you selected Other, please specify:

In this section, we will ask you about your family life

What is your marital status?

Do you consider yourself to be:

If you selected Other sexual orientation, please specify:

Do you have any caring responsibilities?

Please select exactly 1 answer(s).

☐ No

☐ Yes

If you selected Yes, please specify:

Do you have any children?

Please select exactly 1 answer(s).

☐ No

☐ Yes

If you selected Yes, please specify how many:

Please enter a whole number (integer).

How old is your first child?

Please enter a number.

How old is your second child?

Please enter a number.

How old is your third child?

Please enter a number.

In this section, we will ask you about your studies

Which country are you studying in? * *Required*

- ☐ India
- ☐ Rwanda
- ☐ UK
- ☐ Other

If you selected Other, please specify:

What is the main subject of your department?

If you selected Other, please specify:

What level of studies are you undertaking?

Please select exactly 1 answer(s).

- ☐ Undergraduate student
- ☐ Graduate - Master's student
- ☐ Graduate - PhD student
- ☐ Other

If you selected Other, please specify:

What year of study are you in?

Please select exactly 1 answer(s).

- ☐ First year

- ☐ Second year
- ☐ Third year
- ☐ Fourth year
- ☐ Other

If you selected Other, please specify:

Are you a full-time or part-time student?

Please select exactly 1 answer(s).

- ☐ Full-time student
- ☐ Part-time student

Are you presently funded for your studies?

Please select exactly 1 answer(s).

- ☐ Yes, fully
- ☐ Yes, partly
- ☐ No
- ☐ Other

If you selected Other, please specify:

What was your highest educational qualification prior to entry on this current degree of study?

- ☐ Primary School (some years or graduate)
- ☐ Secondary School (some years or graduate)
- ☐ Undergraduate studies (some years or graduate)
- ☐ Postgraduate degree or diploma
- ☐ University access course/bridging course
- ☐ Other

If you selected Other, please specify:

What is your current grade average?

In general, how would you rate your overall feelings of confidence towards mathematics? Please rate using the thermometer below. * *Required*



- 100° Very warm or welcoming feeling
- 85° Quite warm or welcoming feeling
- 70° Fairly warm or welcoming feeling
- 60° A bit more warm or welcoming than cold feeling
- 50° No feeling at all
- 40° A bit more cold or uninviting than warm feeling
- 30° Fairly cold or uninviting feeling
- 15° Quite cold or uninviting feeling
- 0° Very cold or uninviting feeling

☐ 100

☐ 85

☐ 70

☐ 60

☐ 50

☐ 40

☐ 30

☐ 15

☐ 0

In this section, we will ask you about your parents' education

What is your mother's highest educational qualification?

- ☐ Primary School (some years or graduate)
- ☐ Secondary School (some years or graduate)
- ☐ Undergraduate studies (some years or graduate)
- ☐ Postgraduate degree or diploma
- ☐ University access course/bridging course
- ☐ Other

If you selected Other, please specify:

What is your mother's (or other female caregiver's) main career?

If you selected Other, please specify:

What is your father's highest educational qualification?

- ☐ Primary School (some years or graduate)
- ☐ Secondary School (some years or graduate)
- ☐ Undergraduate studies (some years or graduate)
- ☐ Postgraduate degree or diploma
- ☐ University access course/bridging course
- ☐ Other

If you selected Other, please specify:

What is your father's (or other male caregiver's) main career?

If you selected Other, please specify:

In this section, we will ask you questions about your self-perception

Select a number from 1 to 5 that best describes you. Please select one answer per row:

Please don't select more than 1 answer(s) per row.

Please select at least 13 answer(s).

	1 - Not very like me	2 - Somewhat not like me	3 - Neutral	4 - Somewhat like me	5 - Very like me
1. I can learn what is being taught in class this year.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. I can figure out anything if I try hard enough.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. If I practiced every day, I could develop just about any skill.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Once I've decided to accomplish something that's important to me, I persist, even if it is harder than I thought.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. I am confident that I will achieve the goals that I set for myself.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. When I'm struggling to accomplish something difficult, I focus on my progress instead of feeling discouraged.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. I will succeed in whatever career path I choose.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. I will succeed in whatever college major (i.e. option/discipline/subject) I choose.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. I believe hard work pays off.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. My ability grows with effort.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. I believe that I can develop my brain like I can develop a muscle.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. I think that no matter who you are, you can significantly change your level of talent.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. I can change my basic
level of ability
considerably.



In this section, we will ask you about your well-being

Select a number from 1 to 6 that best describes you. Please select one answer per row:

Please don't select more than 1 answer(s) per row.

Please select at least 5 answer(s).

	1 - At no time	2 - Some of the time	3 - Less than half of the time	4 - More than half of the time	5 - Most of the time	6 - All of the time
1. I have felt cheerful and in good spirits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. I have felt calm and relaxed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. I have felt active and vigorous.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. I woke up feeling fresh and rested.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. My daily life has been filled with things that interest me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

In the following sections, we will ask you about your experiences at university

In the past year, how often have you thought about leaving your university?

Please select exactly 1 answer(s).

- ☐ Never
- ☐ Once
- ☐ Twice
- ☐ Three times
- ☐ Four times or more

Select a number from 1 to 5 that best describes you, from strongly disagree, to strongly agree. Please select one answer per row:

Please don't select more than 1 answer(s) per row.

Please select at least 14 answer(s).

	1 - Strongly disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly agree
1. The university only gives students the minimum amount of training they need to complete their studies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Students are strongly encouraged to develop their skills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Adequate training has been provided to new students to use the university's learning facilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. New students have been shown how to access the university's support and social facilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. I am satisfied with the recognition for my work from my lecturers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. I am satisfied with the recognition for my work from my peers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. I am happy with the amount of encouragement and positive feedback.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. My lecturers are quite competent in doing their jobs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. My lecturers are unfair to me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. My lecturers show little interest in the feelings of their students.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. I like my lecturers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. I am confident that I will be able to find work after finishing my studies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. My current course does not provide opportunities to learn skills that make me employable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. I am confident that I will be able to find work in a field related to my studies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

University experiences

Select a number from 1 to 5 that best describes you. Please select one answer per row:

Please don't select more than 1 answer(s) per row.

Please select at least 17 answer(s).

	1 - Strongly disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly agree
1. Admin staff, teaching staff and my fellow students at my university accept me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. I feel like an outsider at my university.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Other people understand more than I do about what is going on at my university.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. I think in the same way as do people who do well at my university.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. It is a mystery to me how my university works.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. I feel alienated from my university.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. I fit in well at my university.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. I am similar to the kind of people who succeed at my university.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. I know what kind of people my university professors are.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. I get along well with people at my university.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. I belong at my university.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. I know how to do well at my university.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. I do not know what I would need to do to make my university professors like me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. I feel comfortable at my university.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

15. People at my university like me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. If I wanted to, I could potentially do very well at my university.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. People at my university are a lot like me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Select a number from 1 to 5 that best describes how comfortable you feel sitting alone in these different settings. From not at all comfortable to very comfortable.

Please don't select more than 1 answer(s) per row.

Please select at least 6 answer(s).

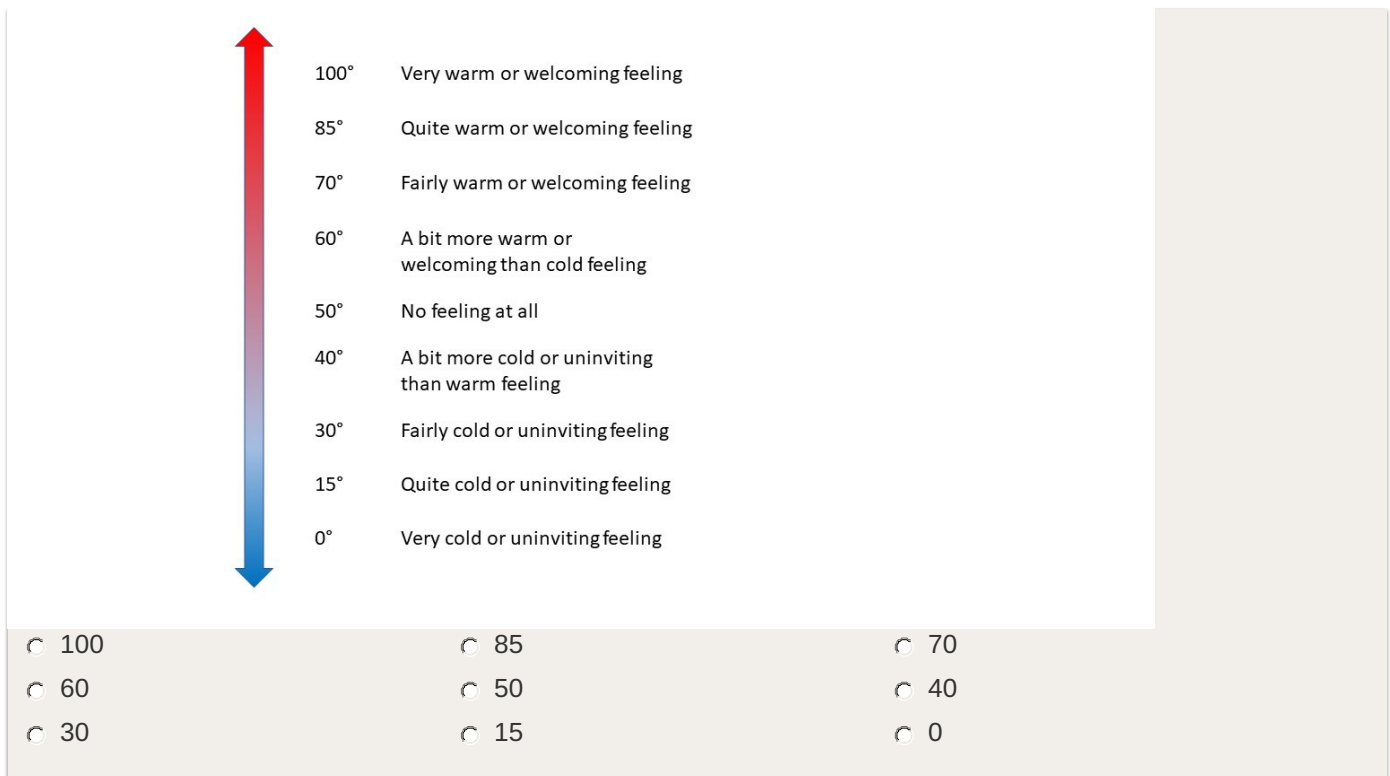
	1 - Not at all comfortable	2 - Somewhat not comfortable	3 - Neutral	4 - Somewhat comfortable	5 - Very comfortable	Not applicable
1. University library/study spaces.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. University cafeteria/eating spaces.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. University student organizations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. University sports team spaces, either to participate or watch sporting events.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Shops and restaurants in/near university buildings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Walking alone in/near university at night.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

In general, how would you rate your overall feeling on campus at your university? Please rate using the thermometer

below. * *Required*



In general, how would you rate your overall feeling of your school, department, or subject of study? Please rate using the thermometer below. * *Required*



University experiences

1. Please choose a number from 1 to 5 that best describes your experience:

Please don't select more than 1 answer(s) per row.

Please select exactly 1 answer(s).

	1 - Do not understand at all	2 - Understand a little	3 - Understand somewhat	4 - Understand quite a bit	5 - Completely understand
1. How well do people at your university understand you as a person?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Please choose a number from 1 to 5 that best describes your experience:

Please don't select more than 1 answer(s) per row.

Please select exactly 1 answer(s).

	1 - Not at all connected	2 - Slightly connected	3 - Somewhat connected	4 - Quite connected	5 - Extremely connected
2. How connected do you feel to the university staff, including admin and teaching staff, at your university?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Please choose a number from 1 to 5 that best describes your experience:

Please don't select more than 1 answer(s) per row.

Please select at least 1 answer(s).

	1 - Not at all welcoming	2 - Slightly welcoming	3 - Somewhat welcoming	4 - Quite welcoming	5 - Extremely welcoming
3. How welcoming have you found your university to be?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4/5. Please choose a number from 1 to 5 that best describes your experience:

Please don't select more than 1 answer(s) per row.

Please select at least 1 answer(s).

	1 - No respect at all	2 - A little bit of respect	3 - Some respect	4 - Quite a bit of respect	5 - A tremendous amount of respect
4. How much respect do other students at your university show toward you?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. How much respect do members of staff at your university show toward you?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. Please choose a number from 1 to 5 that best describes your experience:

Please don't select more than 1 answer(s) per row.

Please select at least 1 answer(s).

	1 - Do not matter	2 - Matter a little bit	3 - Matter somewhat	4 - Matter quite a bit	5 - Matter a tremendous amount
6. How much do you matter to others at your university?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. Please choose a number from 1 to 5 that best describes your experience:

Please don't select more than 1 answer(s) per row.

Please select at least 1 answer(s).

	1 - Not at all happy	2 - Slightly happy	3 - Somewhat happy	4 - Quite happy	5 - Extremely happy
7. How happy are you with your choice to be a student at your university?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

University experiences

Select a number from 1 to 5 that best describes you. Please select one answer per row:

Please don't select more than 1 answer(s) per row.

Please select at least 20 answer(s).

	1 - Not at all true	2 - Rarely	3 - Sometimes	4 - Often	5 - Very true
1. I have often succeeded on a test or task even though I was afraid that I would not do well before I undertook the task.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. I can give the impression that I'm more competent than I really am.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. I avoid evaluations if possible and have a dread of others evaluating me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. When people praise me for something I've accomplished, I'm afraid I won't be able to live up to their expectations of me in the future.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. I sometimes think I obtained my present position or gained my present success because I happened to be in the right place at the right time or knew the right people.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. I'm afraid people important to me may find out that I'm not as capable as they think I am.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. I tend to remember the incidents in which I have not done my best more than those times I have done my best.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. I am often unable to achieve the standard I would like when I do a project or task.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. Sometimes I feel or believe that my success in my life or in my job has been the result of some kind of error.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. It's hard for me to accept compliments or praise about my intelligence or accomplishments.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. At times, I feel my success has been due to some kind of luck.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. I'm disappointed at times in my present accomplishments and think I should have accomplished much more.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Sometimes I'm afraid others will discover how much knowledge or ability I really lack.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. I'm often afraid that I may fail at a new assignment or undertaking even though I generally do well at what I attempt.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. When I've succeeded at something and received recognition for my accomplishments, I have doubts that I can keep repeating that success.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. If I receive a great deal of praise and recognition for something I've accomplished, I tend to discount the importance of what I've done.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. I often compare my ability to those around me and think they may be more intelligent than I am.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

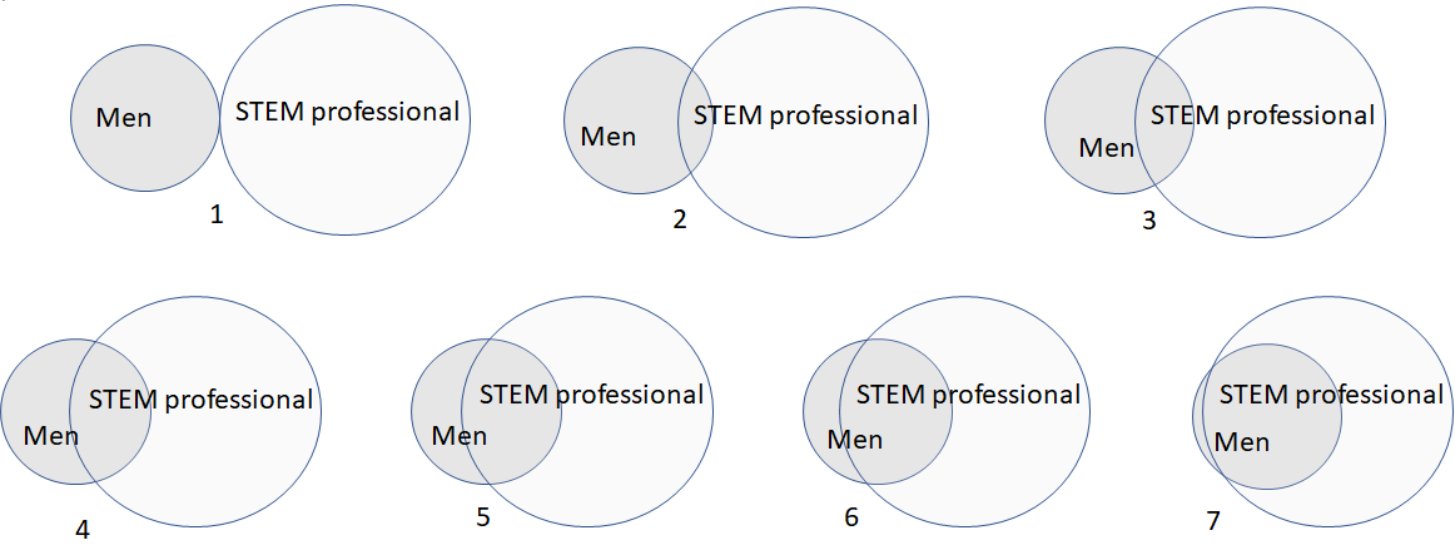
18. I often worry about not succeeding with a project or examination, even though others around me have considerable confidence that I will do well.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. If I'm going to receive a promotion or gain recognition of some kind, I hesitate to tell others until it is an accomplished fact.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. I feel bad and discouraged if I'm not "the best" or at least "very special" in situations that involve achievement.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

In general, how would you rate your overall feelings towards female scientists? Please rate using the thermometer below. * Required

In general, how would you rate your overall feelings towards female engineers? Please rate using the thermometer below. * Required

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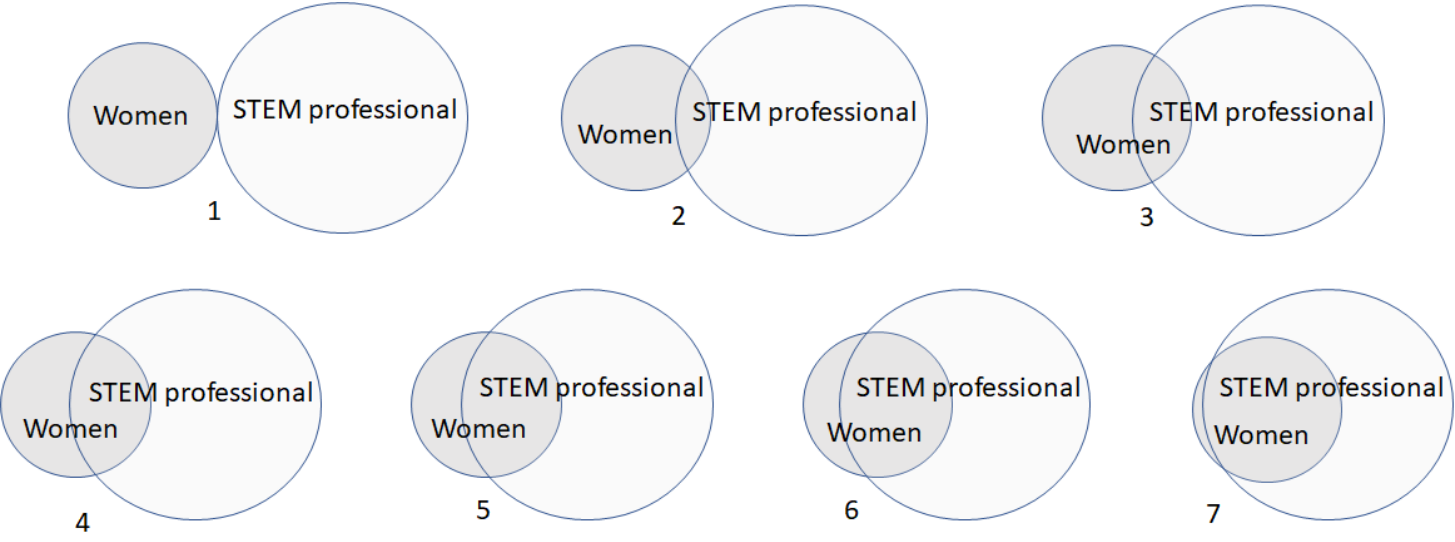
Select the picture that best describes the overlap of the image you have of men and your image of what a STEM professional is.



Please don't select more than 1 answer(s) per row.

	1 - no overlap	2	3	4	5	6	7 - near complete overlap
Overlap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Select the picture that best describes the overlap of the image you have of women and your image of what a STEM professional is.



Please don't select more than 1 answer(s) per row.

	1 - no overlap	2	3	4	5	6	7 - near complete overlap
Overlap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

In this section, we will ask you about your studies, career goals and how COVID-19 may have affected you

How have you mainly been learning this year?

Please select exactly 1 answer(s).

- ☐ Physically on site
- ☐ A mix of physically on site and online learning
- ☐ Online learning, with the other students on your course
- ☐ Online learning, on your own
- ☐ Other

If you selected Other, please specify:

Prior to the pandemic, how were you mainly learning?

Please select exactly 1 answer(s).

- ☐ Physically on site
- ☐ A mix of physically on site and online learning
- ☐ Online learning, with the other students on your course
- ☐ Online learning, on your own
- ☐ Other

If you selected Other, please specify:

When you've been learning online, where have you physically been? * *Required*

Please select between 1 and 5 answers.

- ☐ At home (own or family home)
- ☐ Student accommodation
- ☐ On campus in study spaces, libraries etc
- ☐ Off campus in public spaces (e.g. cafes)
- ☐ I have not been learning online

When you have been learning online, what class size(s) have you mainly experienced?

Please select between 1 and 7 answers.

- ☐ Just you (e.g. one to one tutorial)
- ☐ 2 - 6 students
- ☐ 7 - 16 students
- ☐ 17 - 50 students
- ☐ 51 - 100 students
- ☐ Over 100 students
- ☐ I have not been learning online

When you've been learning online, have any of the following been a problem?

Please don't select more than 1 answer(s) per row.

Please select at least 6 answer(s).

	Yes	No
No suitable computer/device	<input type="checkbox"/>	<input type="checkbox"/>
No safe, private area to work	<input type="checkbox"/>	<input type="checkbox"/>
Poor wifi connection	<input type="checkbox"/>	<input type="checkbox"/>
Mobile data costs	<input type="checkbox"/>	<input type="checkbox"/>
Access to online platforms/services	<input type="checkbox"/>	<input type="checkbox"/>
Need specialist software	<input type="checkbox"/>	<input type="checkbox"/>

If you have been learning online more this year than last year, has this impacted your satisfaction with your course?

Please select at least 1 answer(s).

- ☐ Yes, I am less satisfied with the course
- ☐ Yes, I am more satisfied with the course
- ☐ No, I am no more or less satisfied with the course

If you have been learning online more this year than last year, has this impacted your satisfaction with your university?

Please select at least 1 answer(s).

- ☐ Yes, I am less satisfied with the university
- ☐ Yes, I am more satisfied with the university
- ☐ No, I am no more or less satisfied with the university

What do you realistically think your first paid employment will be upon graduation?

What is your ideal career goal?

Has the COVID-19 pandemic changed your career goal?

Please select exactly 1 answer(s).

☐ No

☐ Yes

If you selected Yes, please describe how COVID-19 has changed your career goal:

What are the main factors that have increased your desire and ability to study a STEM subject?

In your experience, what have been the main barriers to you studying a STEM subject?

Final page

Thank you for taking part in our research. We would like to follow-up with you in one year's time. If you would like to be contacted, please click on the following link and enter your email address. We will hold your email address separately and confidentially and will not share it with third parties:

<https://glasgow-research.onlinesurveys.ac.uk/gendered-journeys-email-capture>

Thank you again for taking part, we appreciate you taking some time to help us understand how gender impacts experiences in STEM education. Please join the conversation on Twitter: @STEM_journeys.

Key for selection options

7 - Which country were you born in?

Ireland
India
Rwanda
UK
Other

8 - What is your nationality?

British
Irish
Indian
Rwandan
Dual Nationality/Other

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

23 - How would you best describe your ethnicity?

- White - English/Welsh/Scottish/Northern Irish/British
- White - Irish
- White - Gypsy or Irish Traveller
- Mixed/Multiple ethnic groups - White and Black Caribbean
- Mixed/Multiple ethnic groups - White and Black African
- Mixed/Multiple ethnic groups - White and Asian
- Asian/Asian British - Indian
- Asian/Asian British - Pakistani
- Asian/Asian British - Bangladeshi
- Asian/Asian British - Chinese
- Black/ African/Caribbean/Black British - African
- Black/ African/Caribbean/Black British - Caribbean
- Other ethnic group - Arab
- Other

24 - How would you best describe your religion?

Buddhist
Christian
Hindu
Jewish
Muslim
Sikh
No religion
Other

26 - What is your first language?

English
Irish
Welsh
Other

27 - Do you speak any other languages?

No
Yes

28 - What is the name of the university or higher education institution you are studying at?

Cardiff University
Durham University
Edinburgh Napier University
Glasgow Caledonian University
Heriot-Watt University
King's College London
Imperial College London
London School of Economics & Political Science
Loughborough University
Newcastle University
Northumbria University
Queen Mary, University of London
Queen's University Belfast
University College London
University of Aberdeen
University of Birmingham
University of Bristol
University of Cambridge
University of Dundee
University of East London
University of Edinburgh
University of Exeter
University of Glasgow
University of Leeds
University of Liverpool
University of Manchester
University of Nottingham
University of Oxford
University of Salford
University of Sheffield

University of St Andrews
University of Stirling
University of Strathclyde
University of Southampton
University of Sussex
University of Warwick
University of West London
University of West Scotland
University of York
Trinity College Dublin
Other

30 - How would you best describe your ethnicity?

Asian/Asian British - Indian
Asian/Asian British - Pakistani
Asian/Asian British - Bangladeshi
Asian/Asian British - Chinese
Black/African/Caribbean/Black British - African
Black/African/Caribbean/Black British - Caribbean
Mixed/Multiple ethnic groups - White and Black Caribbean
Mixed/Multiple ethnic groups - White and Black African
Mixed/Multiple ethnic groups - White and Asian
Rwandan
White - English/Welsh/Scottish/Northern Irish/British
White - Irish
White - Gypsy or Irish Traveller
Other ethnic group - Arab
Other

31 - How would you best describe your religion?

Buddhist
Christian
Hindu
Jewish
Muslim
Sikh
No religion
Other

33 - What is your first language?

English
French
Hindi
Irish
Kinyarwanda
Welsh
Other

34 - Do you speak any other languages?

No

Yes

35 - What is the name of the university or higher education institution you are studying at?

Cardiff University
Durham University
Edinburgh Napier University
Glasgow Caledonian University
Heriot-Watt University
King's College London
Imperial College London
London School of Economics & Political Science
Loughborough University
Newcastle University
Northumbria University
Queen Mary, University of London
Queen's University Belfast
University College London
University of Aberdeen
University of Birmingham
University of Bristol
University of Cambridge
University of Dundee
University of East London
University of Edinburgh
University of Exeter
University of Glasgow
University of Leeds
University of Liverpool
University of Manchester
University of Nottingham
University of Oxford
University of Salford
University of Sheffield
University of St Andrews
University of Stirling
University of Strathclyde
University of Southampton
University of Sussex
University of Warwick
University of West London
University of West Scotland
University of York
Trinity College Dublin
Other
Birla Institute of Technology and Science, Pilani (BITS Pilani)
Birla Institute of Technology and Science, Pilani (BITS Pilani, Goa Campus)
Birla Institute of Technology and Science, Pilani (BITS Pilani, Hyderabad Campus)
Indian Institute of Management - Calcutta (IIM-C)
Indian Institute of Science Education and Research, Pune (IISER)
Jadavpur University
Adventist University of Central Africa (AUCA)
Carnegie Mellon University (CMU)

Institute of Applied Sciences (INES)
University of Rwanda - College of Agriculture and Veterinary Medicine (UR-CAVM)
University of Rwanda - College of Education (UR-CE)
University of Rwanda - College of Science and Technology (UR-CST)

36 - What is your marital status?

Married/civil partnership
Cohabiting/living together
In relationship but not living together
Single
Prefer not to say

37 - Do you consider yourself to be:

Heterosexual or straight
Gay or lesbian
Bisexual
Asexual
Other sexual orientation
Prefer not to say

41 - What is the main subject of your department?

Agriculture
Biology and Biological Sciences
Business Management
Chemistry and Chemical Sciences
Computer Science
Engineering
Mathematics
Medicine and Dentistry
Nursing
Physics and Physical Sciences
Psychology
Technology
Veterinary Medicine and Sciences
Other

47 - What is your current grade average?

A/Excellent/Distinction
B/Very good/First class
C/Good/Second class
D/Poor/Third
Fail

50 - What is your mother's (or other female caregiver's) main career?

Managers, directors and senior officials
Professional occupations (e.g. lawyer, teacher, academic, accountant)
Administrative and secretarial occupations
Skilled technical occupations (e.g. electrician, plumber)
Caring, leisure and other service occupations
Sales and customer service occupations

Process, plant and machine operatives

Elementary occupations (e.g. farmer, casual labourer, domestic worker, street vendor and services)

Never employed outside the home (e.g. homemaker, stay-at-home parent, unemployed)

Retired

Other

52 - What is your father's (or other male caregiver's) main career?

Managers, directors and senior officials

Professional occupations (e.g. lawyer, teacher, academic, accountant)

Administrative and secretarial occupations

Skilled technical occupations (e.g. electrician, plumber)

Caring, leisure and other service occupations

Sales and customer service occupations

Process, plant and machine operatives

Elementary occupations (e.g. farmer, casual labourer, domestic worker, street vendor and services)

Never employed outside the home (e.g. homemaker, stay-at-home parent, unemployed)

Retired

Other
