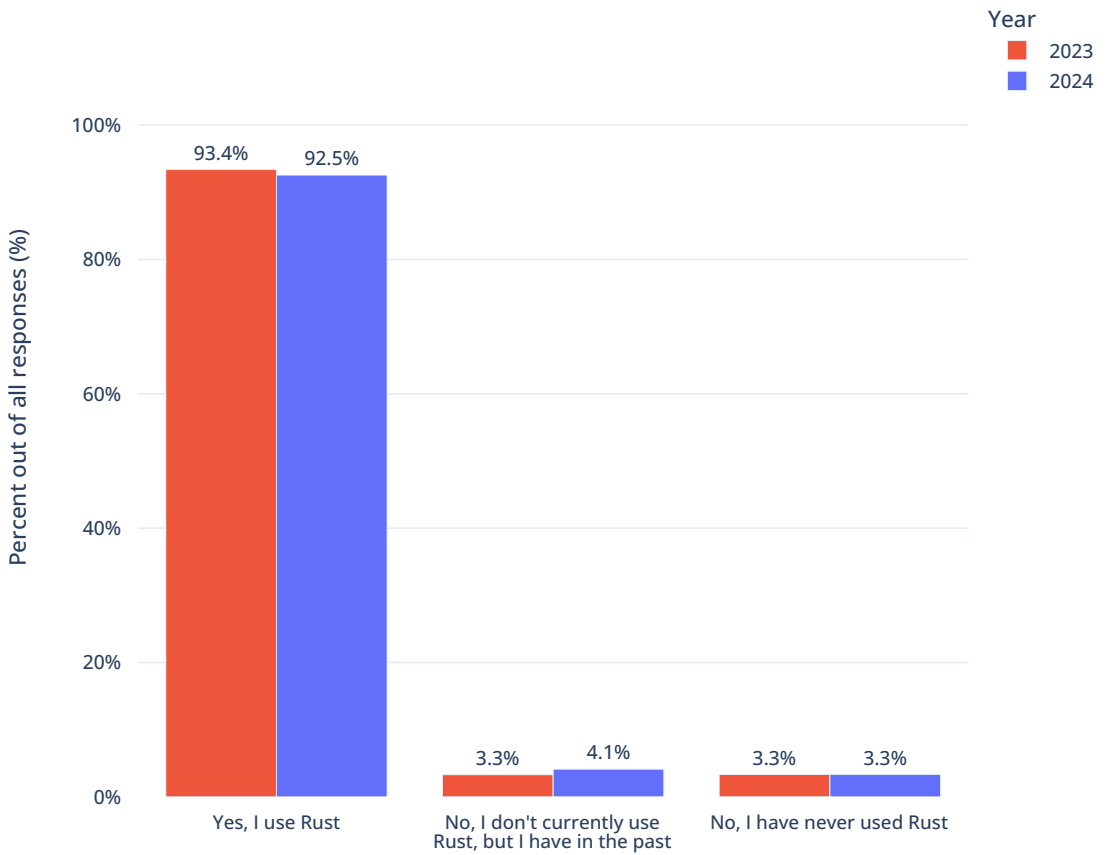


Rust Annual survey 2024 report

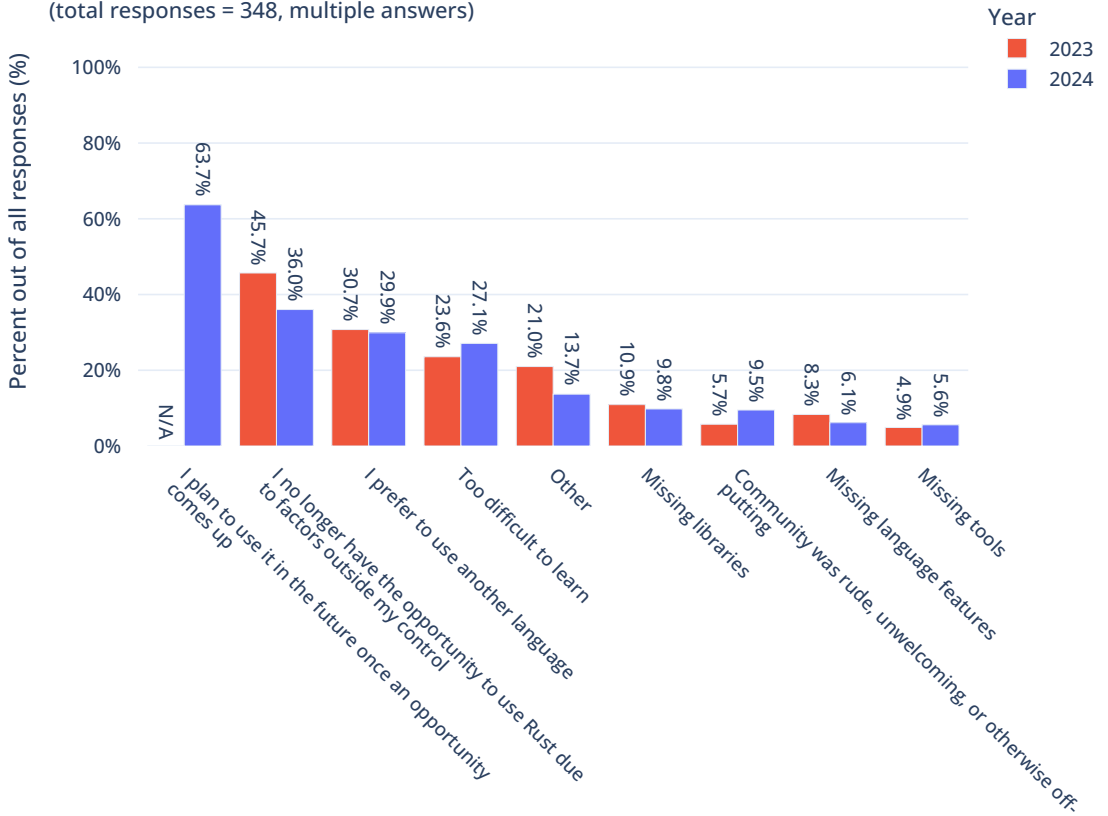
Do you use Rust?

(total responses = 11906, single answer)



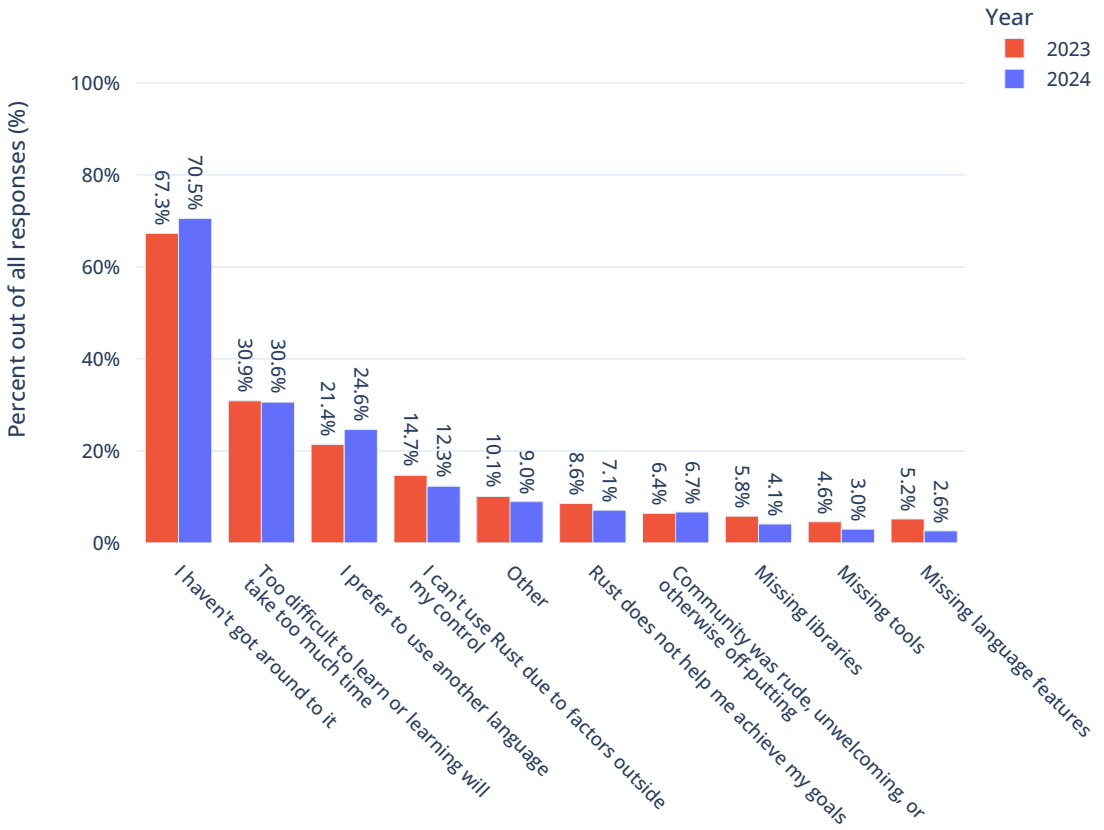
As you have indicated that you're no longer using Rust, why did you stop using Rust?

(total responses = 348, multiple answers)

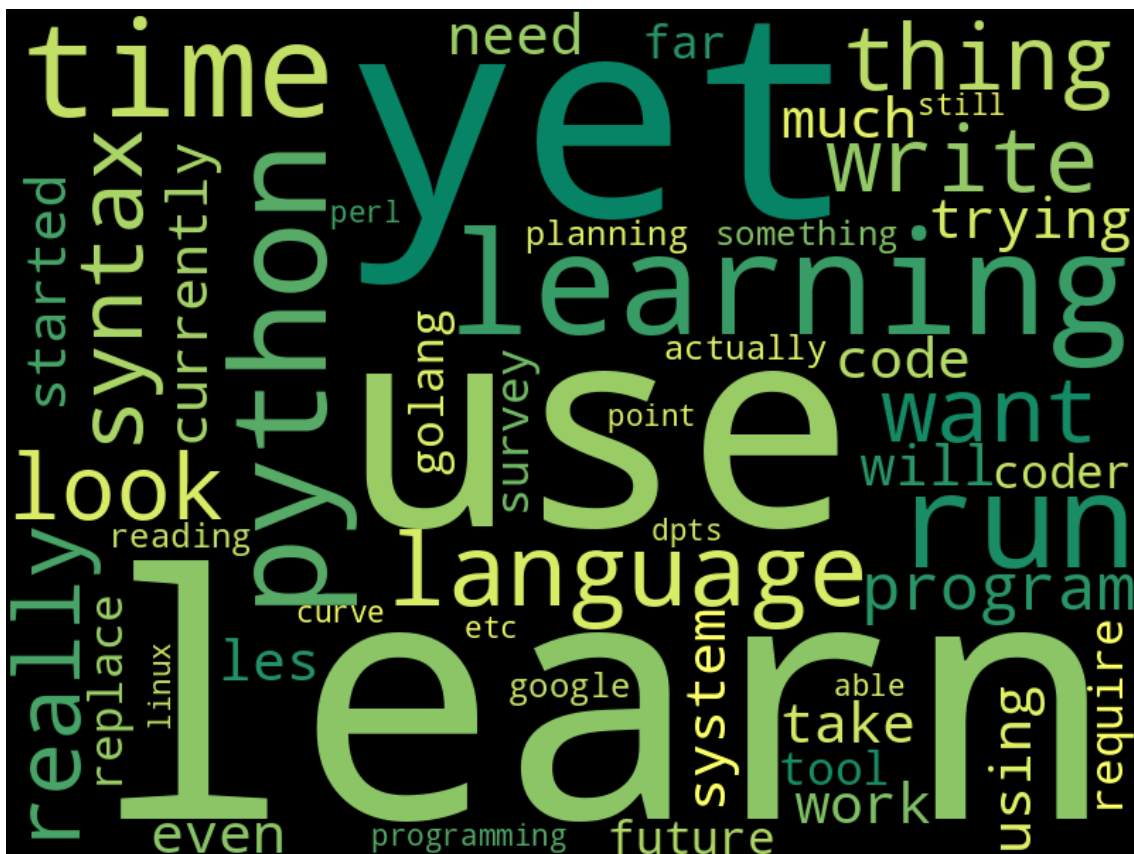


Why don't you use Rust?

(total responses = 327, multiple answers)

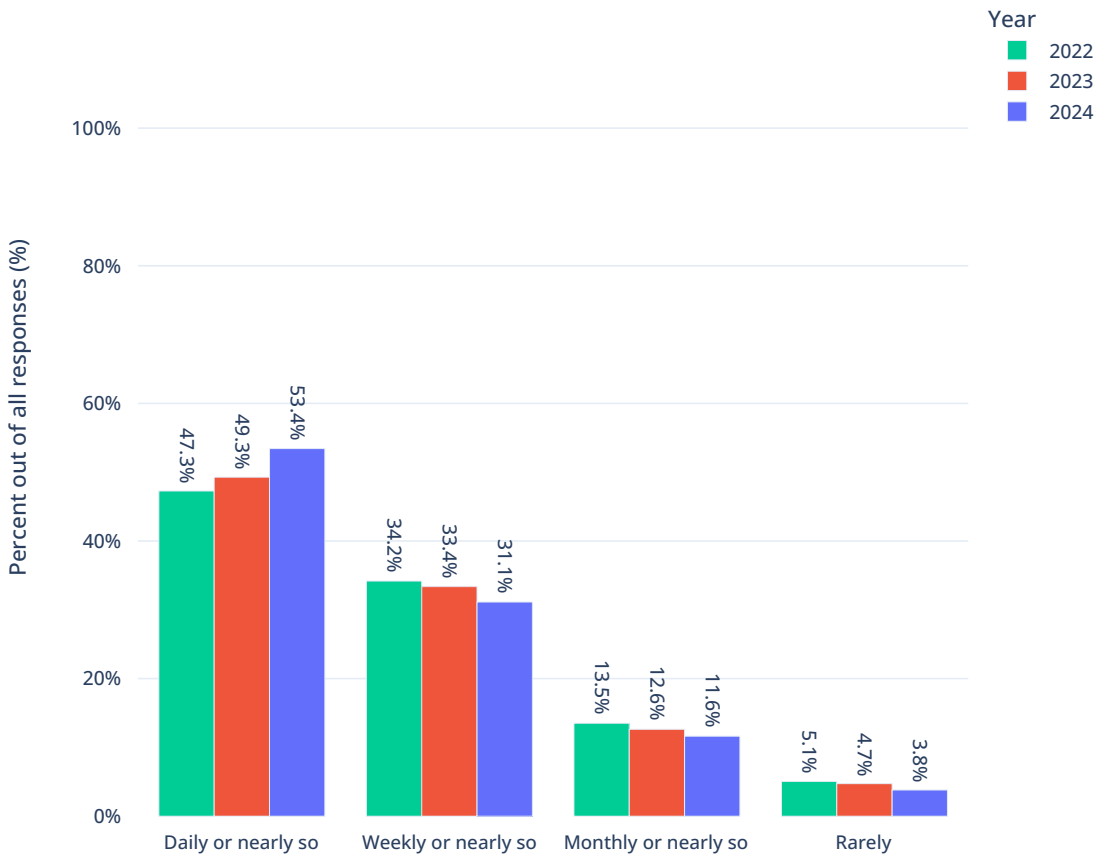


Wordcloud of open answers for the previous chart:



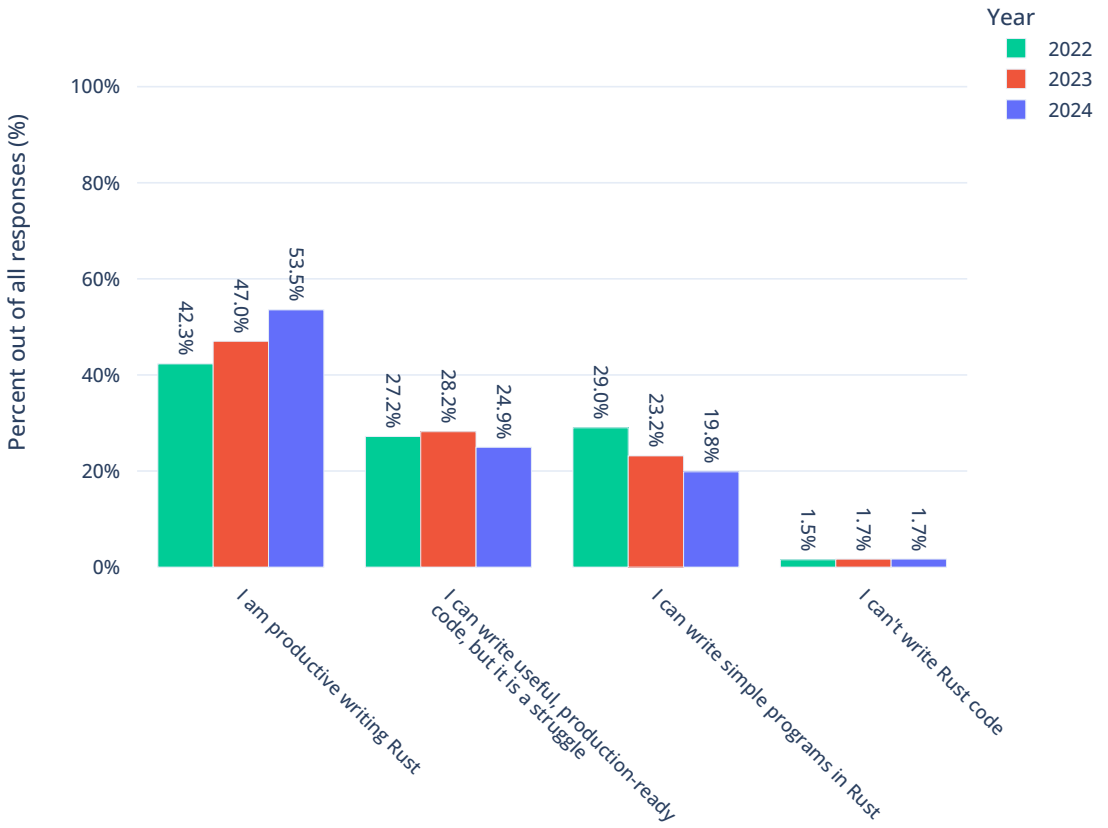
On average, how often do you use Rust?

(total responses = 9849, single answer)



How would you rate your Rust expertise?

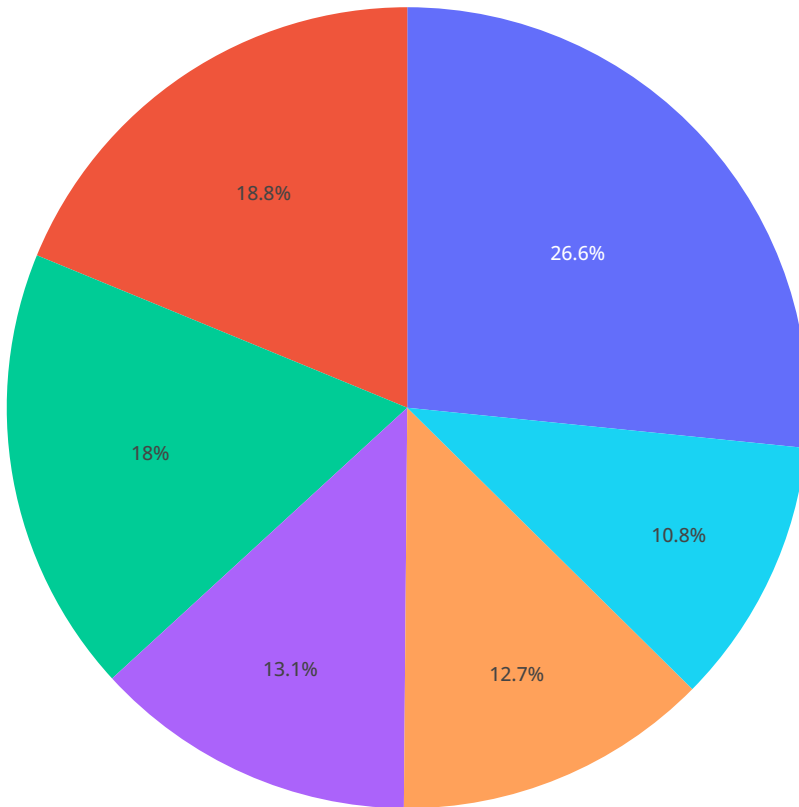
(total responses = 9851, single answer)



When did you learn to program in Rust?

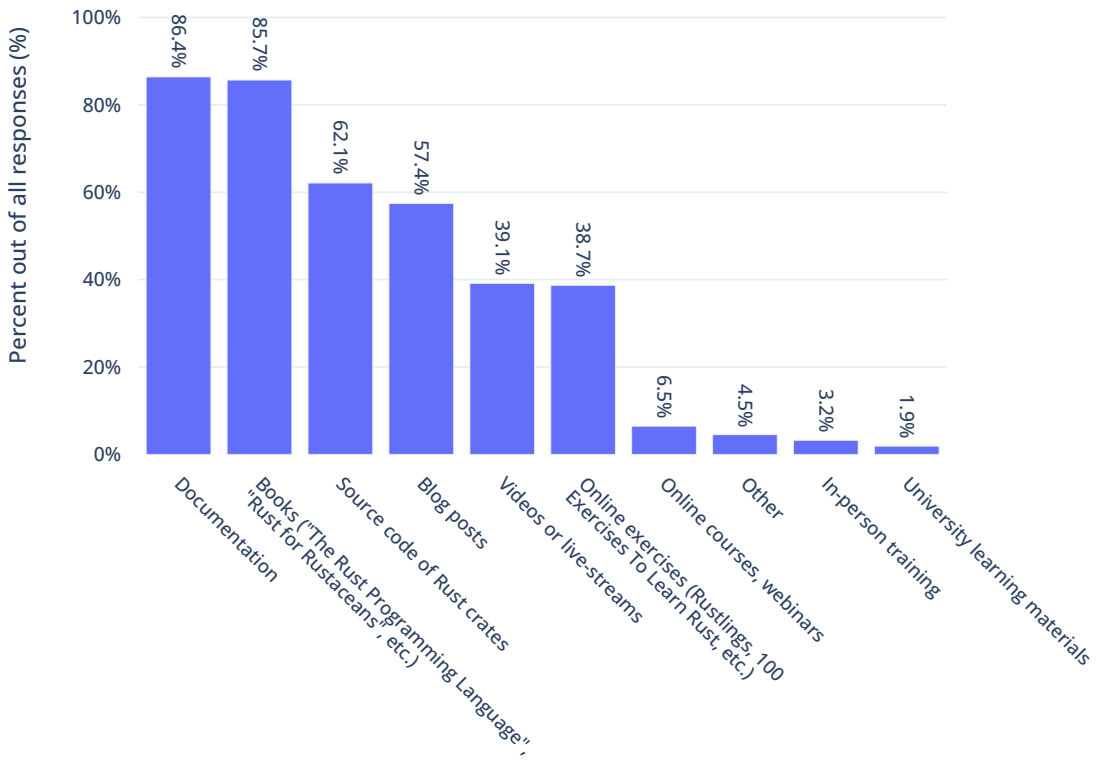
(total responses = 7394)

- During 2022 or 2023
- During 2020 or 2021
- I'm still actively trying to learn Rust
- During 2024
- During 2018 or 2019
- During 2017 or before



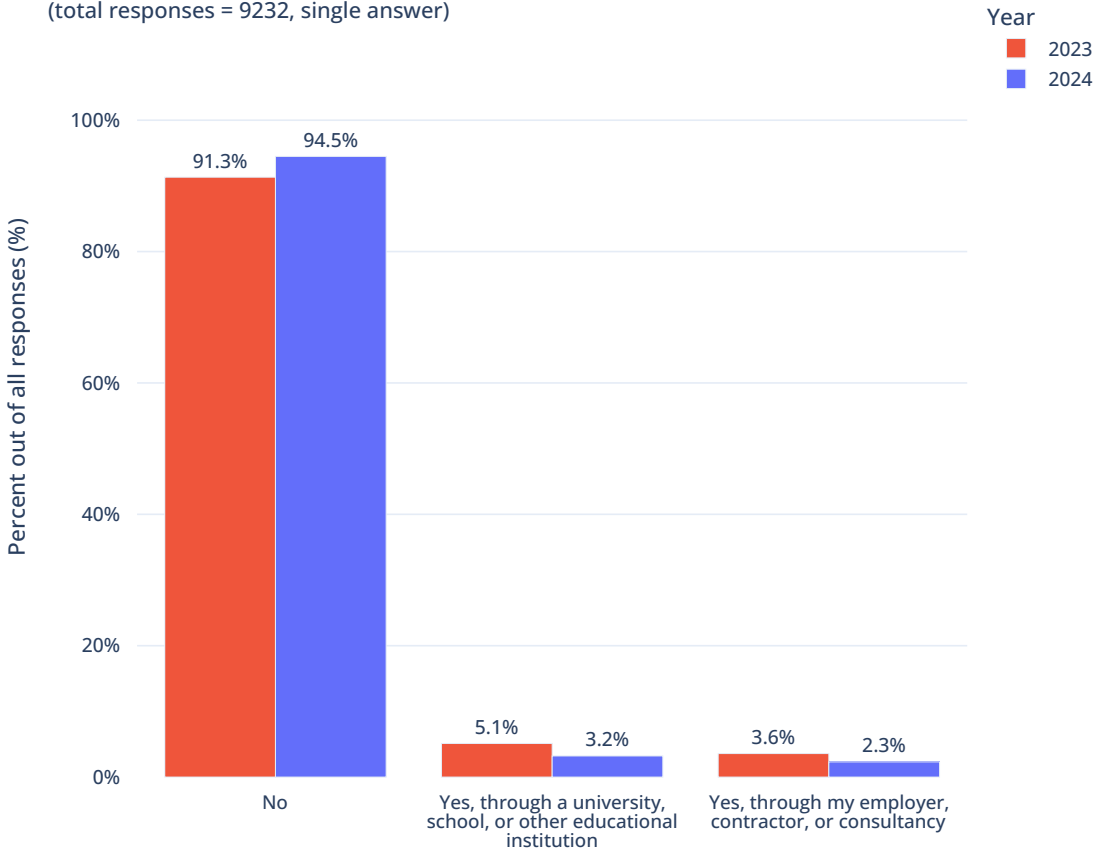
If you consumed learning material about Rust, which kind of material did you consume?

(total responses = 7385, multiple answers)



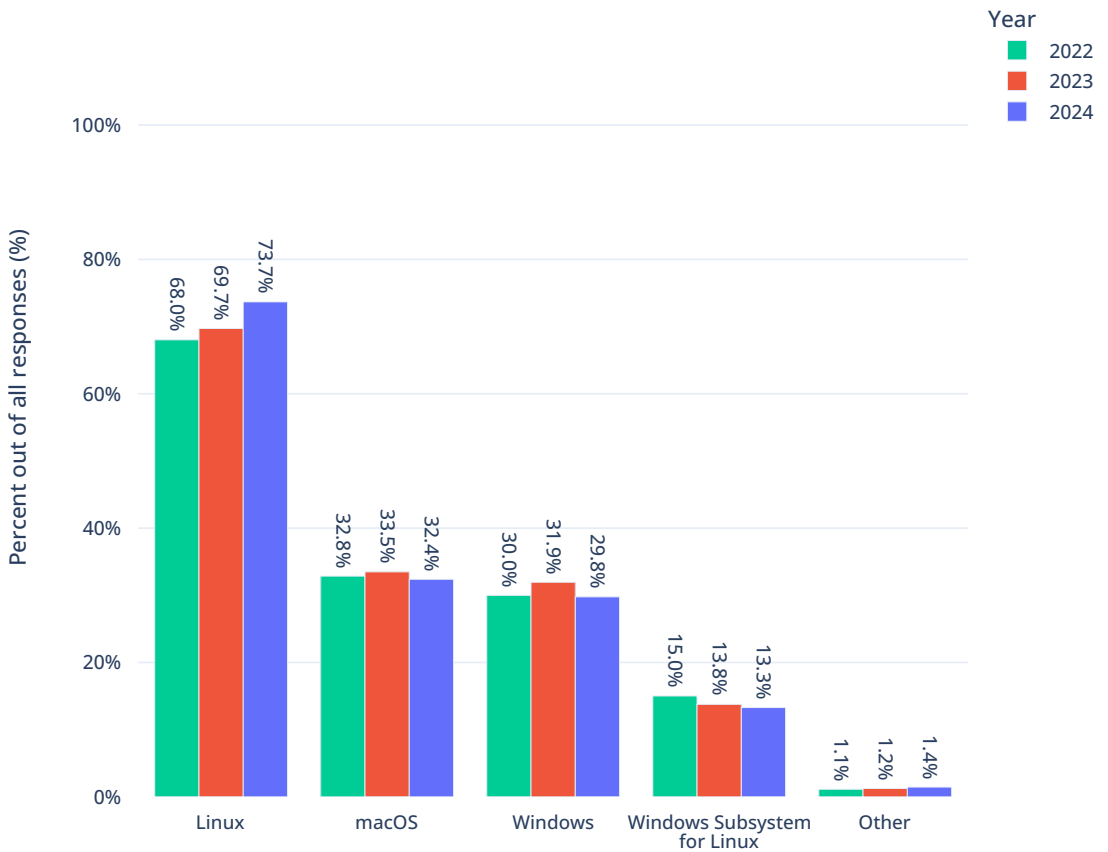
Are you currently taking a course that uses or teaches Rust OR have you taken a course of this type in the last year?

(total responses = 9232, single answer)



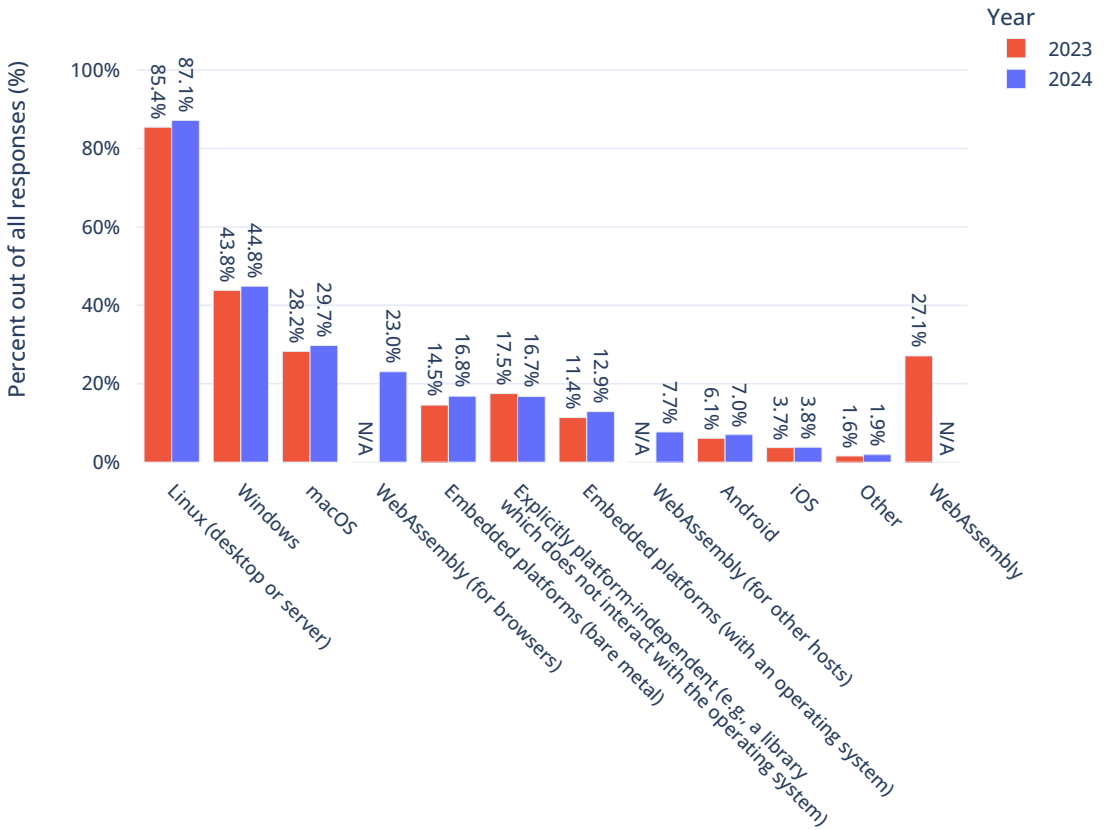
Which operating systems do you use regularly for Rust development?

(total responses = 9846, multiple answers)



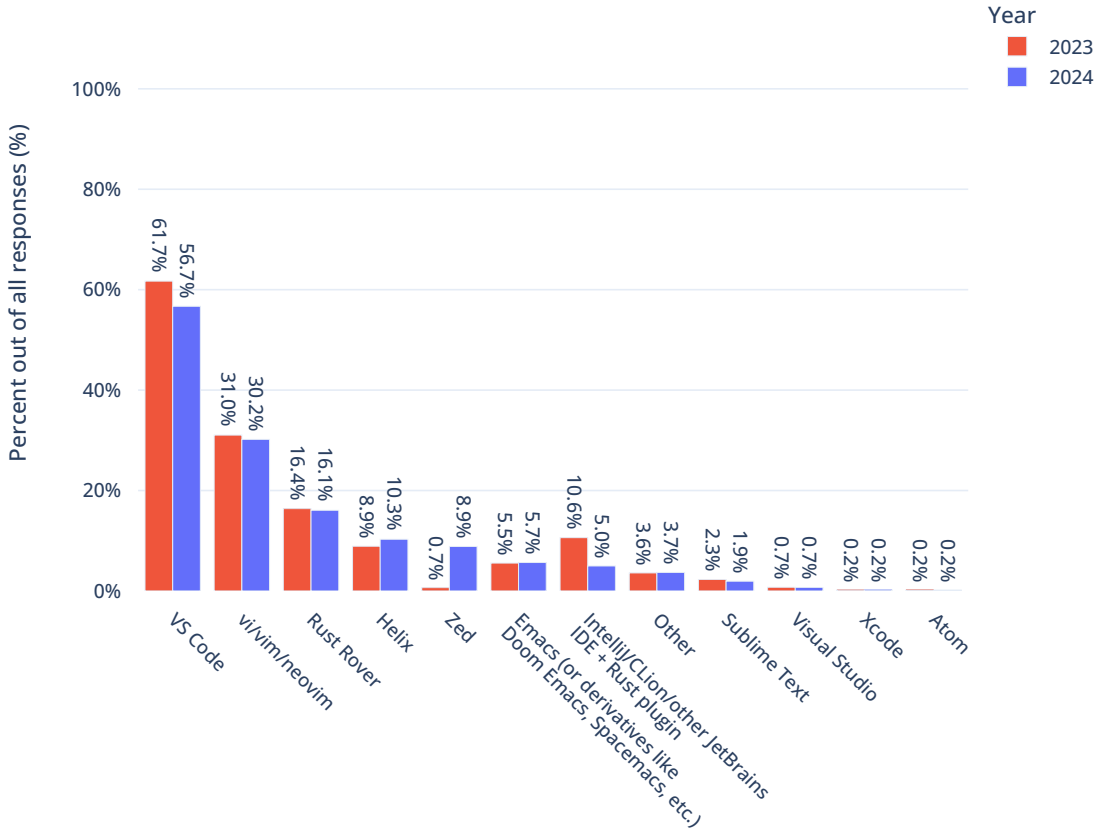
Which operating systems or runtimes do you develop Rust software for?

(total responses = 10433, multiple answers)

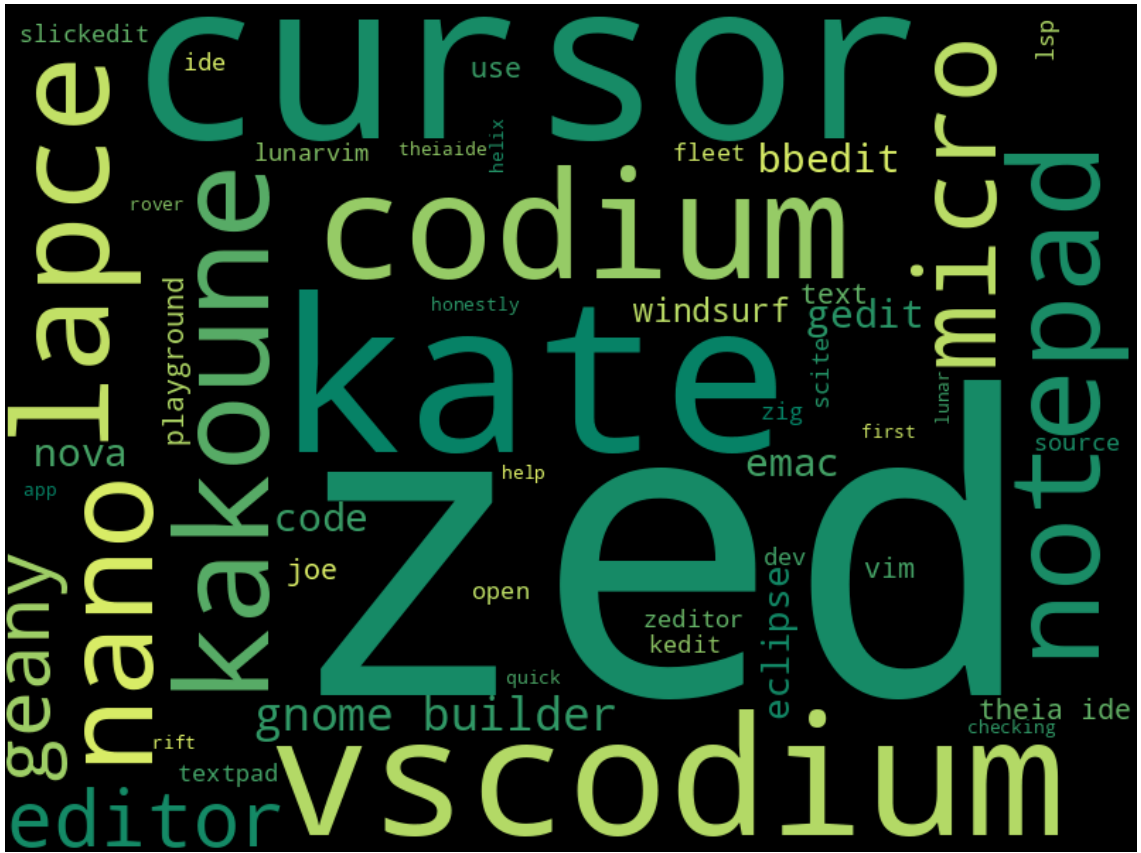


Which editor or IDE setup do you use with Rust code on a regular basis?

(total responses = 10480, multiple answers)

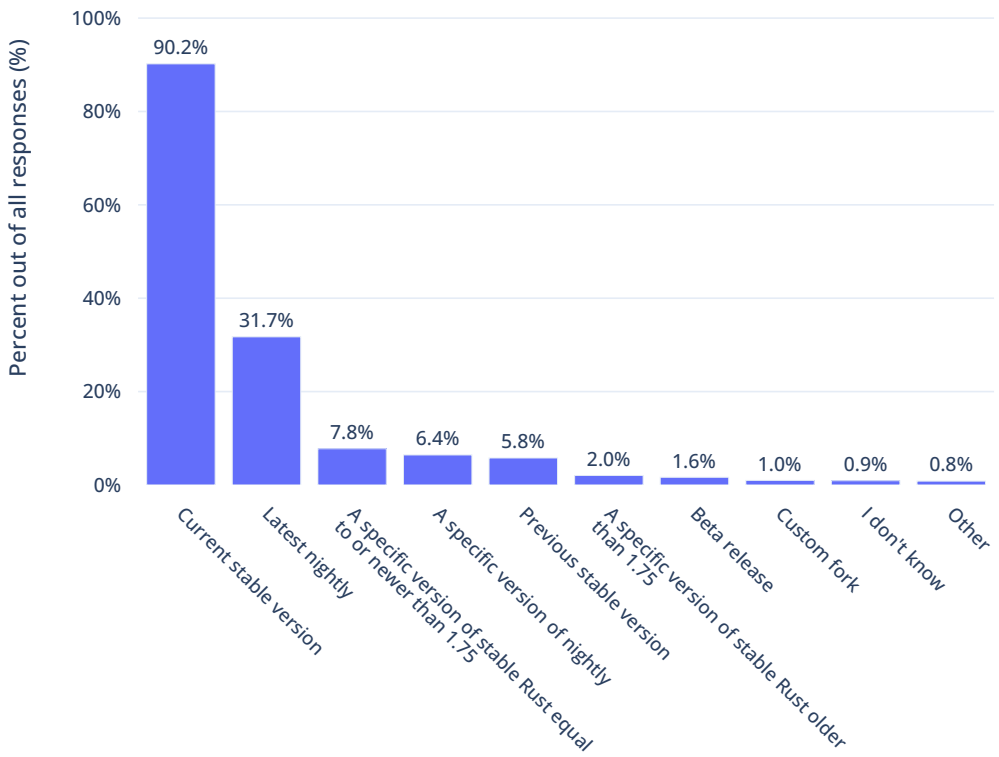


Wordcloud of open answers for the previous chart:

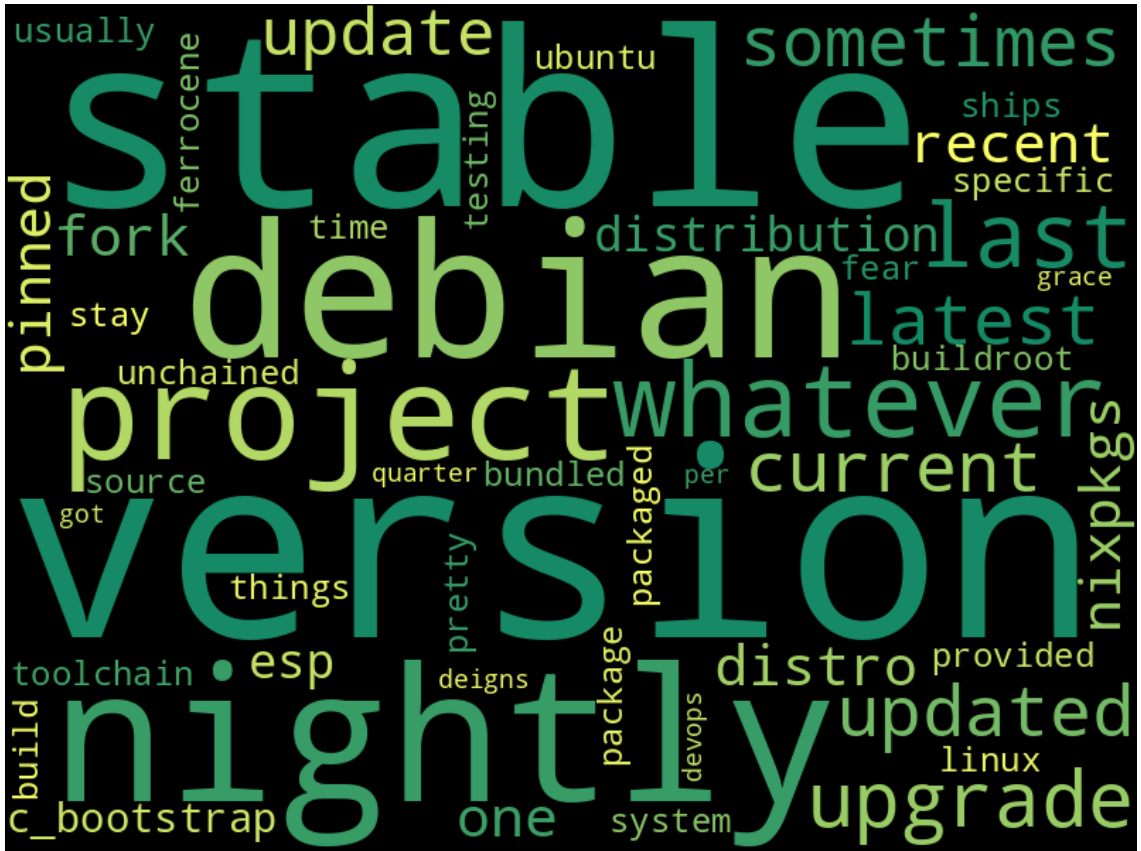


Which version(s) of Rust do you use for development?

(total responses = 8152, multiple answers)

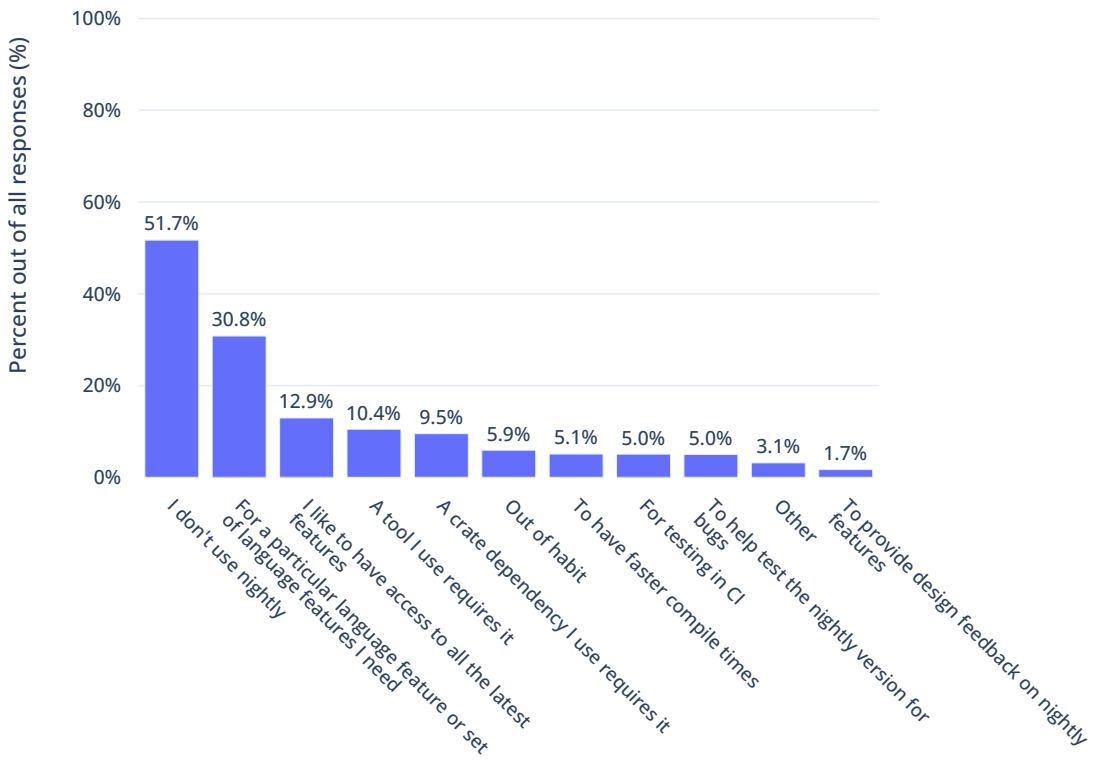


Wordcloud of open answers for the previous chart:

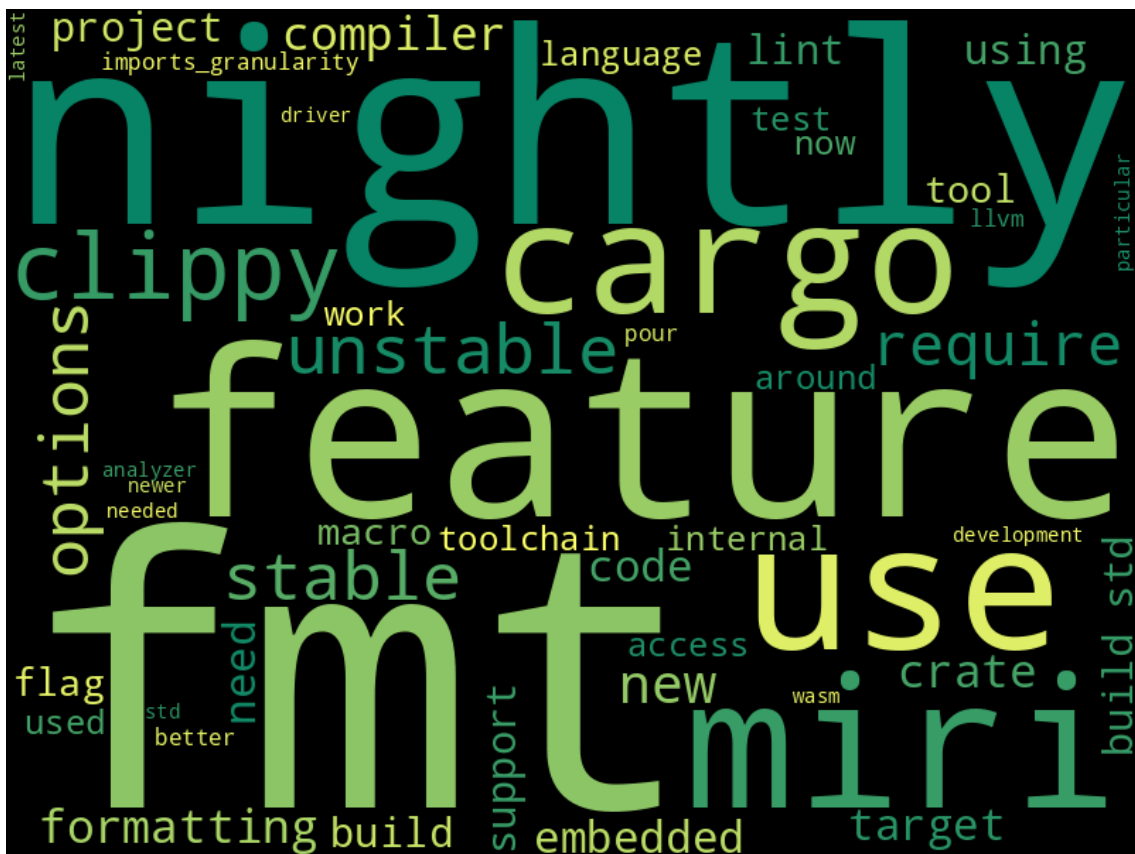


If you use nightly, why?

(total responses = 7426, multiple answers)

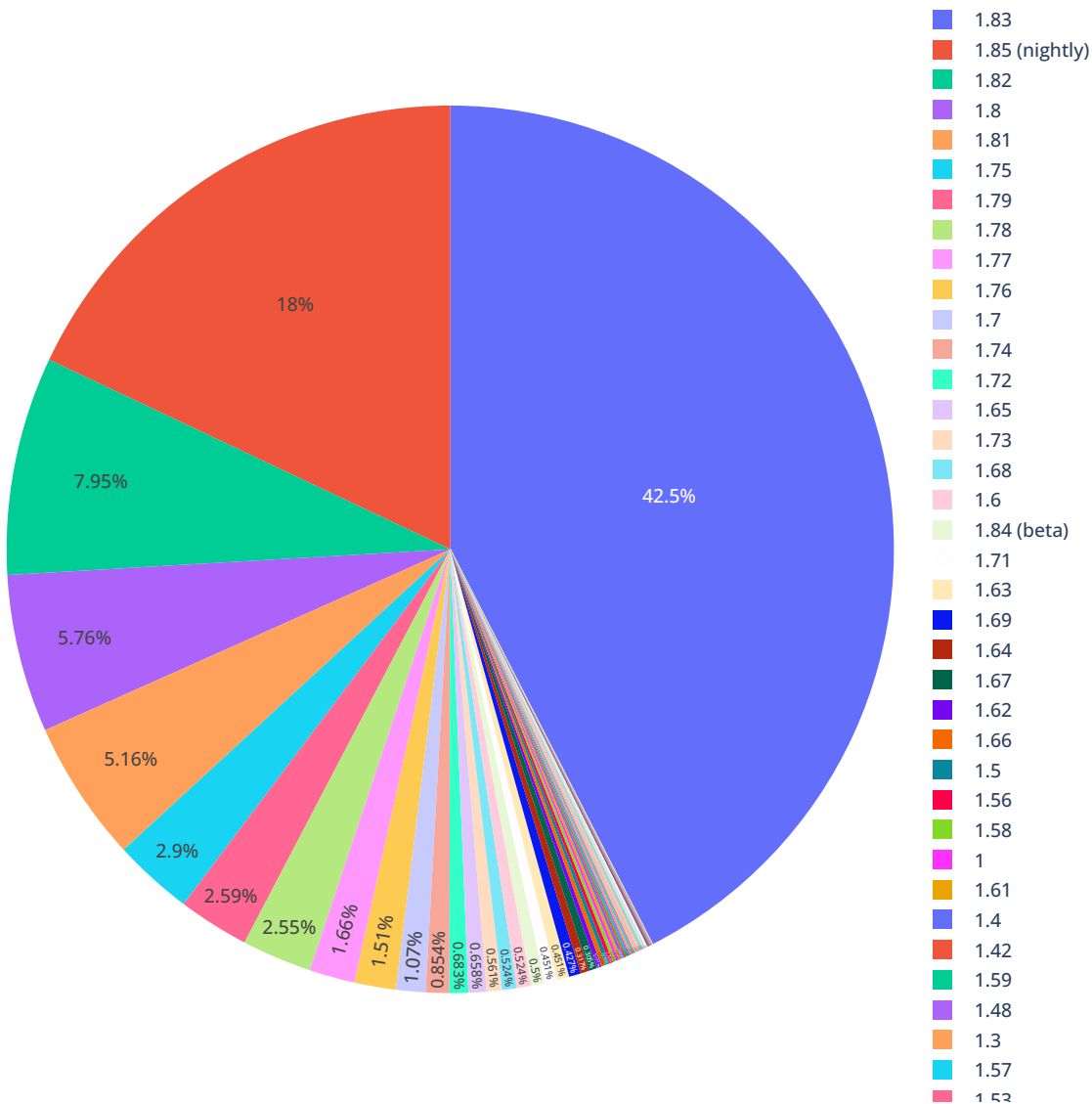


Wordcloud of open answers for the previous chart:



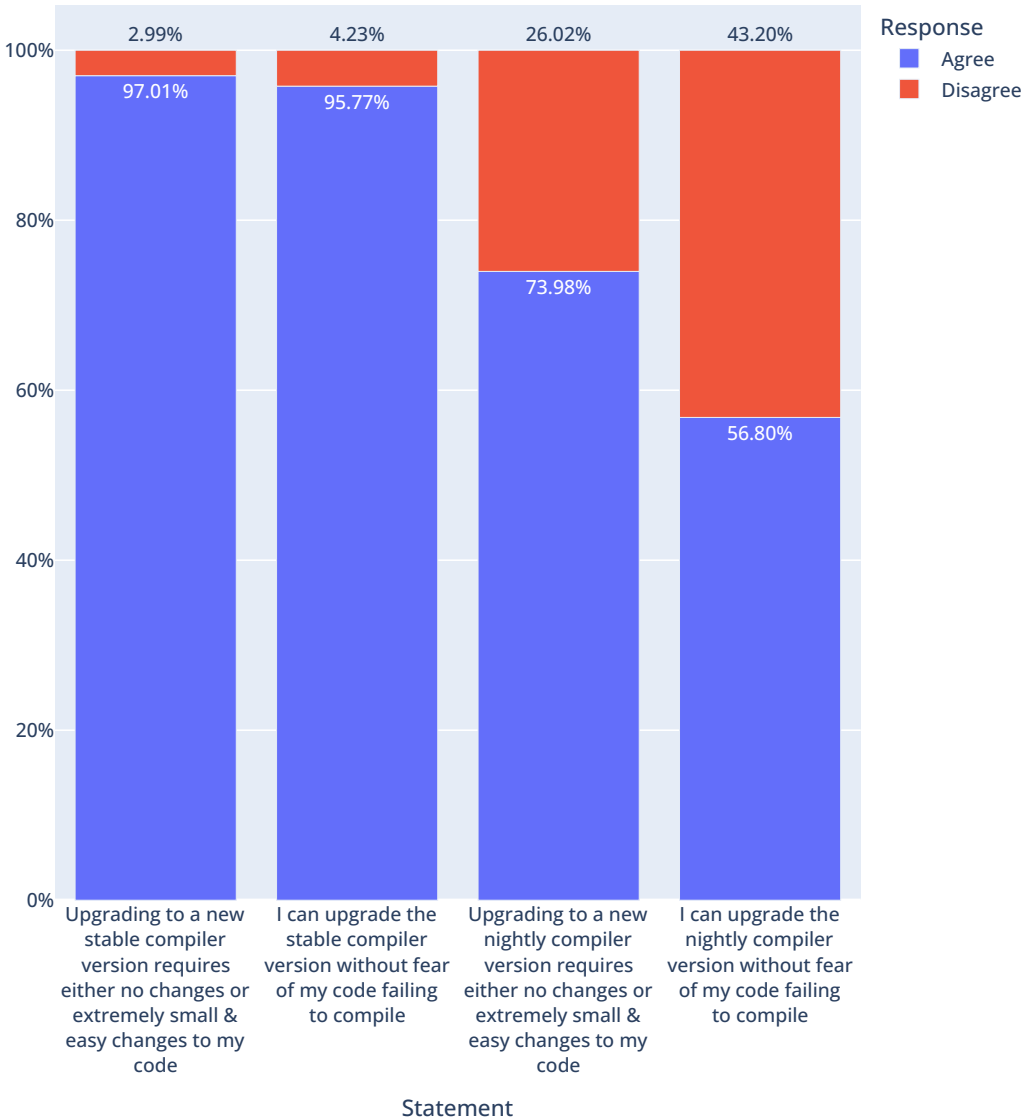
What is the oldest version of Rust you use for any development task?

(total responses = 8201)



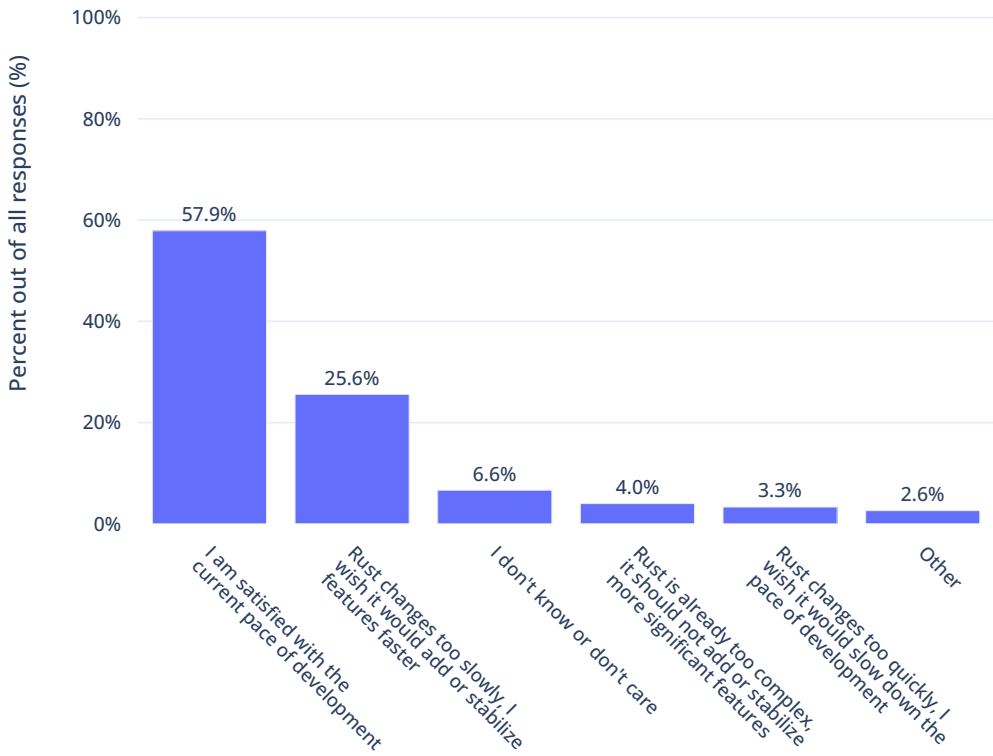
Do you agree with the following statements on Rust stability?

(total responses = 7933)



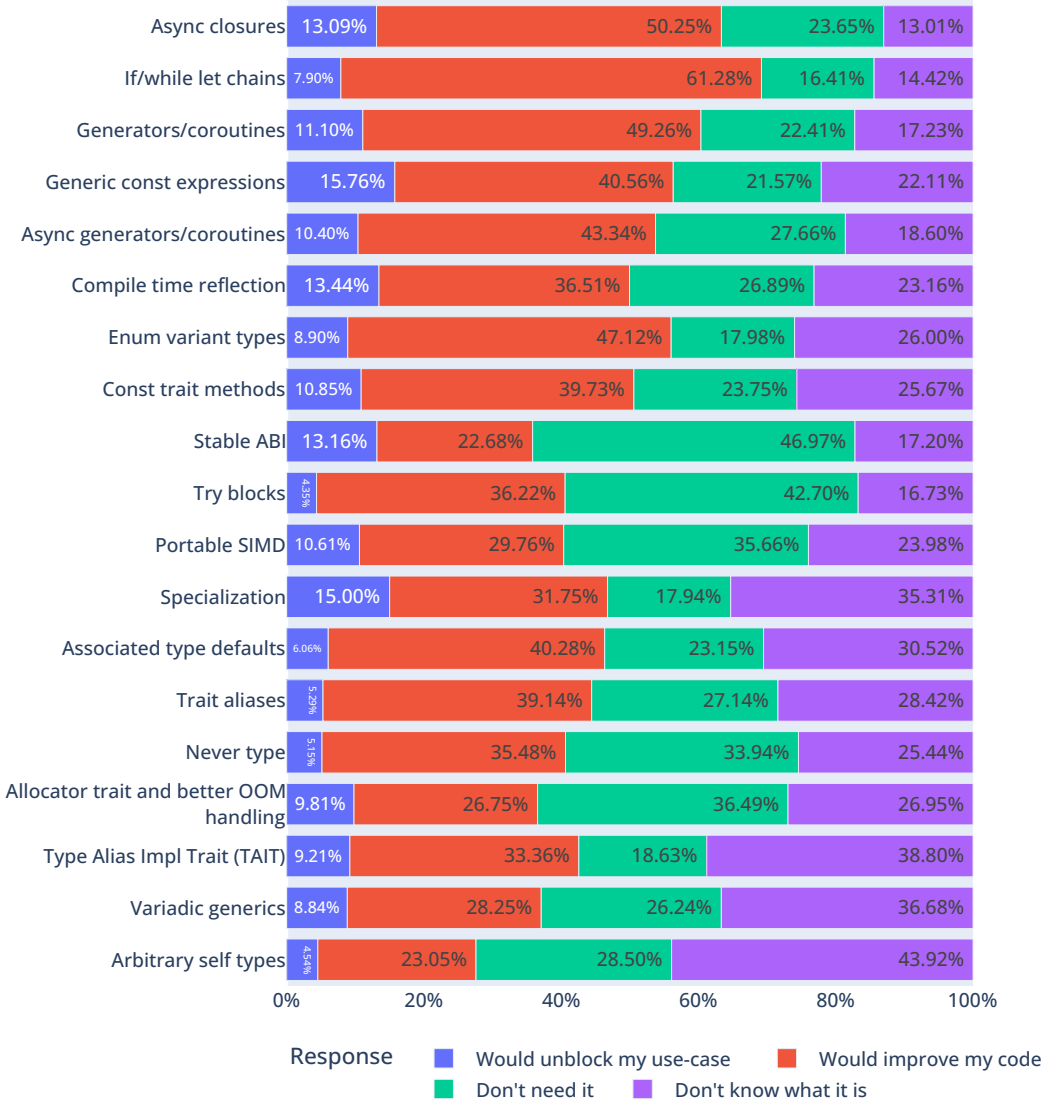
What is your opinion on how fast Rust evolves?

(total responses = 7088, single answer)

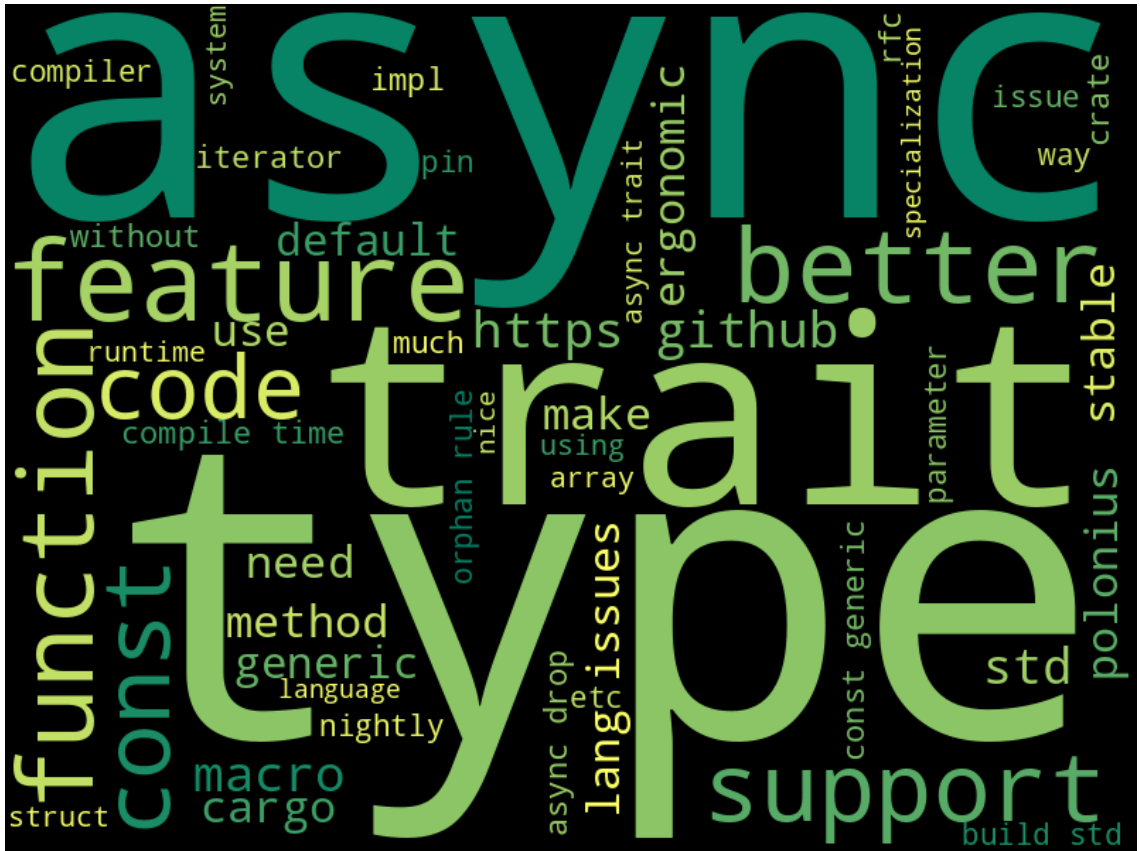


Which unimplemented (or nightly only) features are you looking for to be stabilized?

(total responses = 6792)

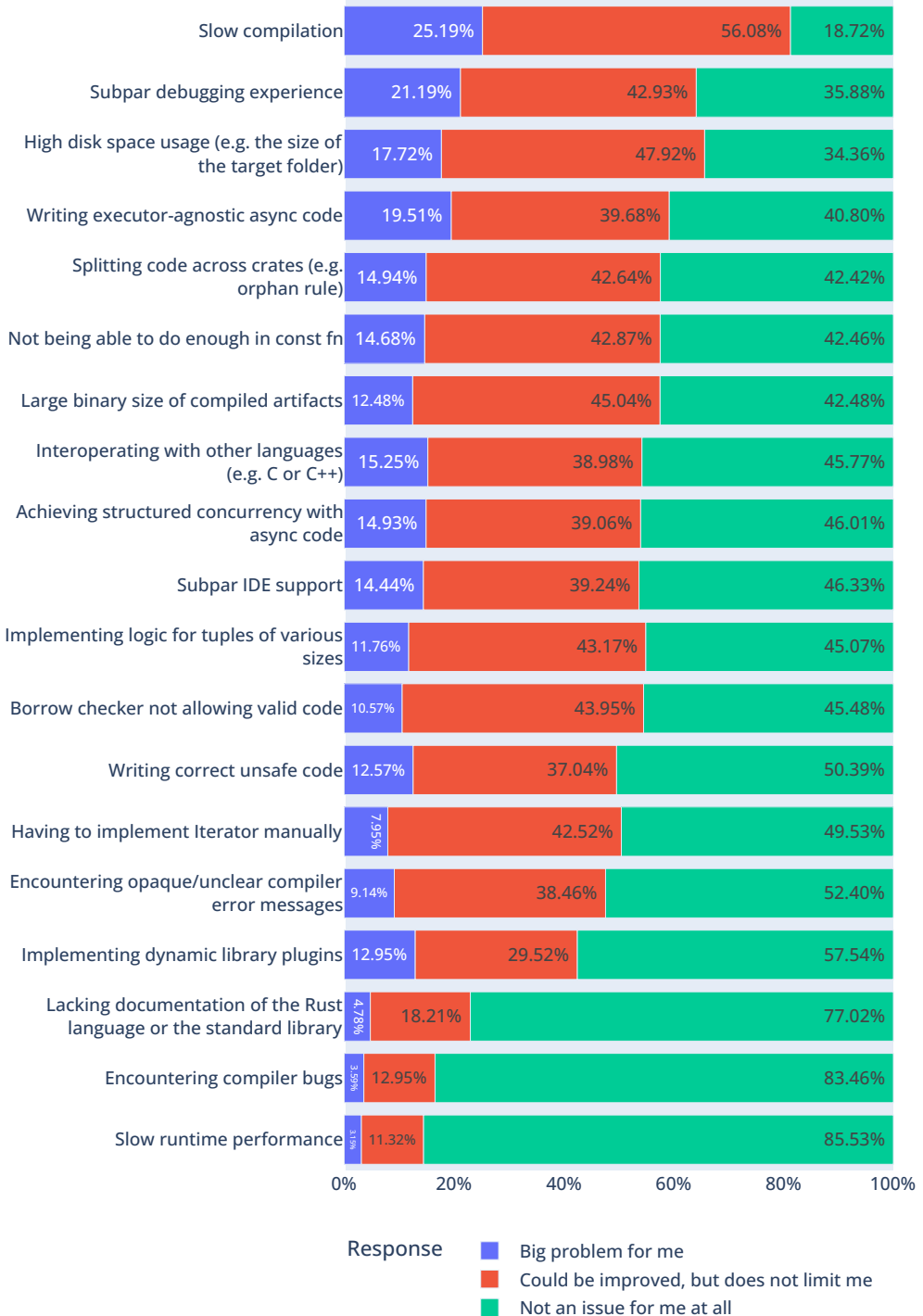


Wordcloud of open answers for the previous chart:

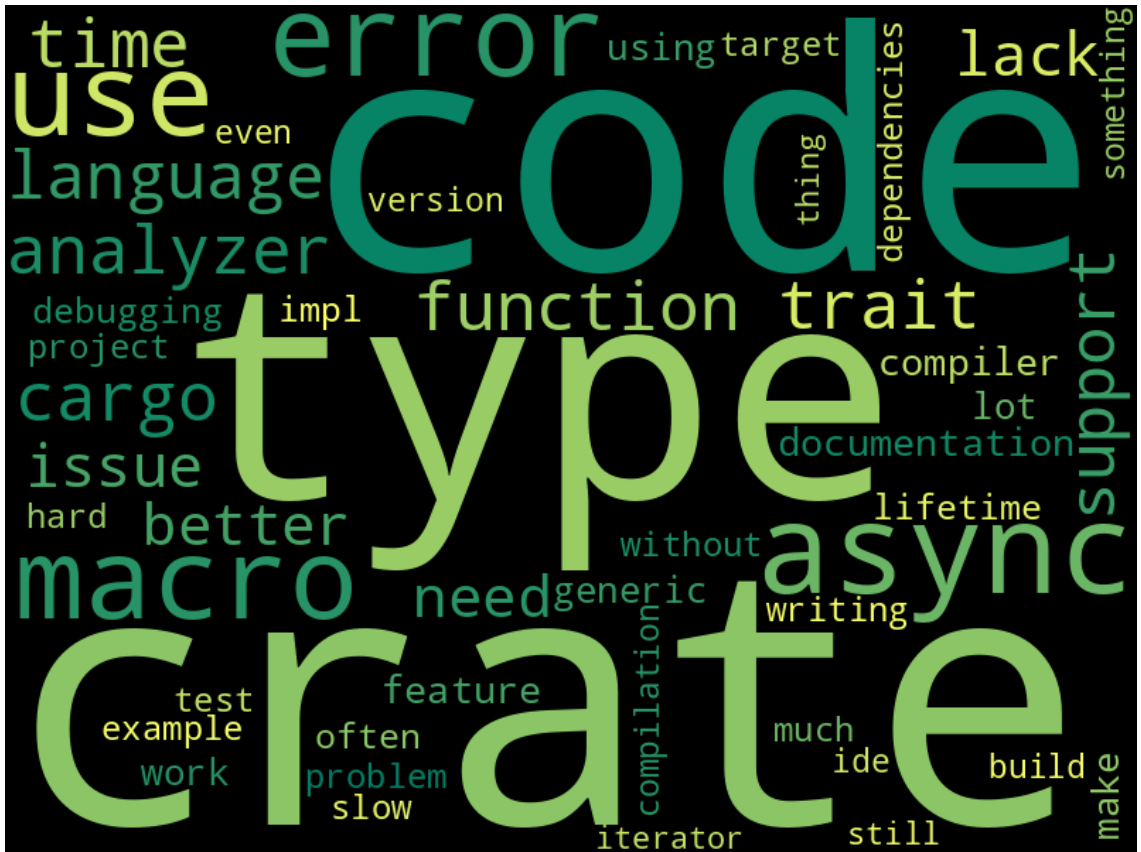


Which of the following aspects of Rust present non-trivial problems to your programming productivity?

(total responses = 6862)

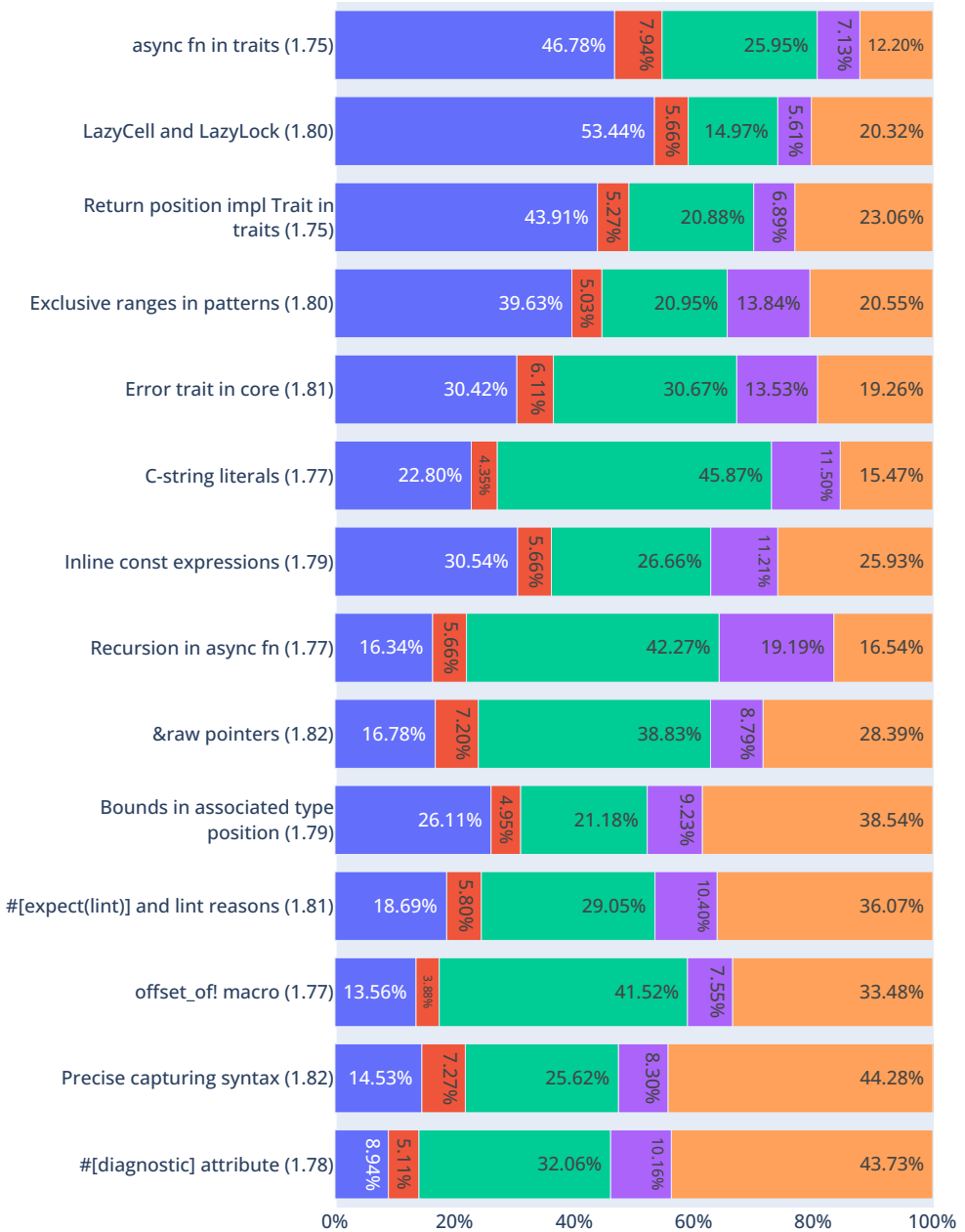


Wordcloud of open answers for the previous chart:



Which features stabilized in the past 12 months do you use the most?

(total responses = 6532)

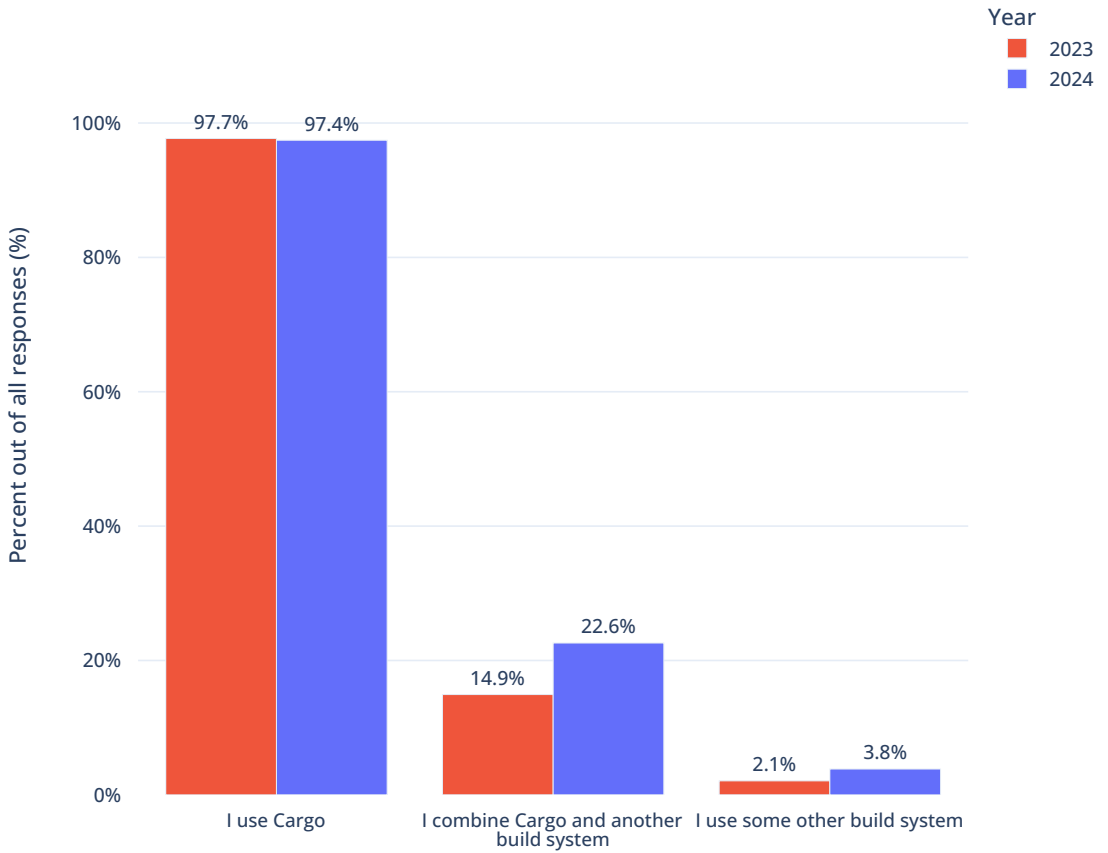


Response

- I use this feature
- I cannot use this feature yet
- I do not need this feature
- I did not know it was stabilized
- I do not know what it is

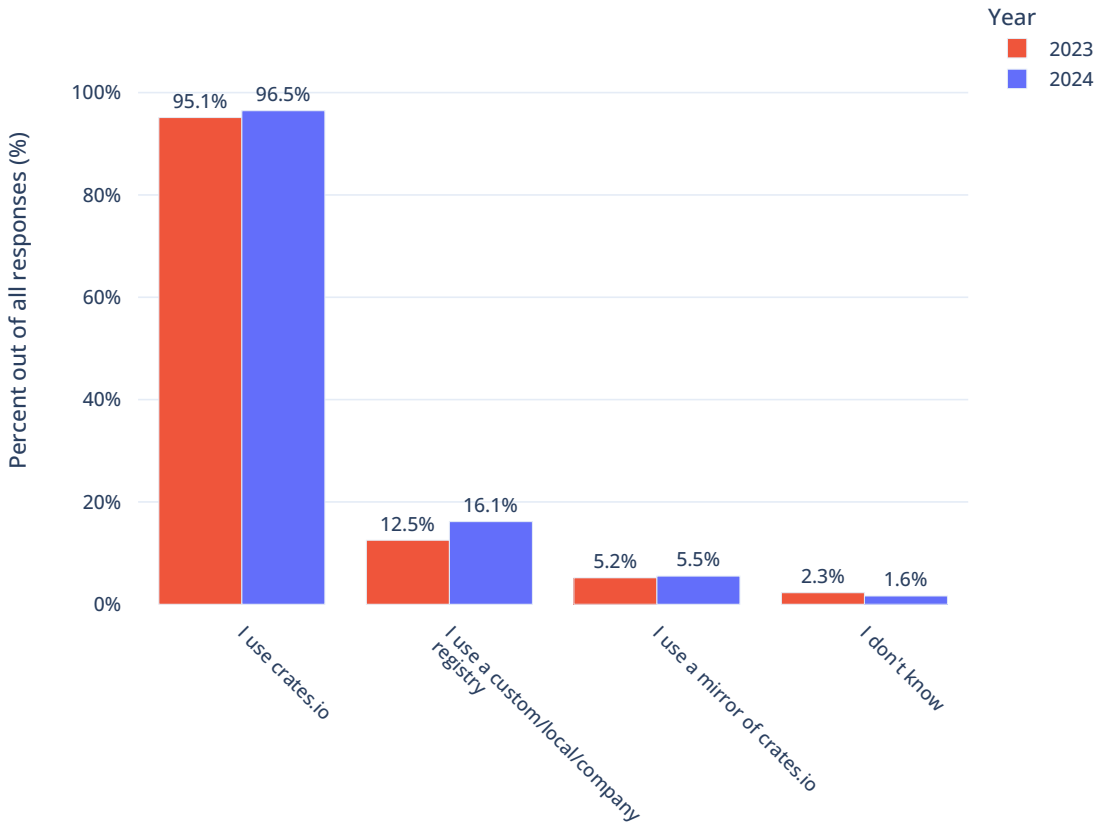
How do you build your Rust projects

(total responses = 9635, multiple answers)



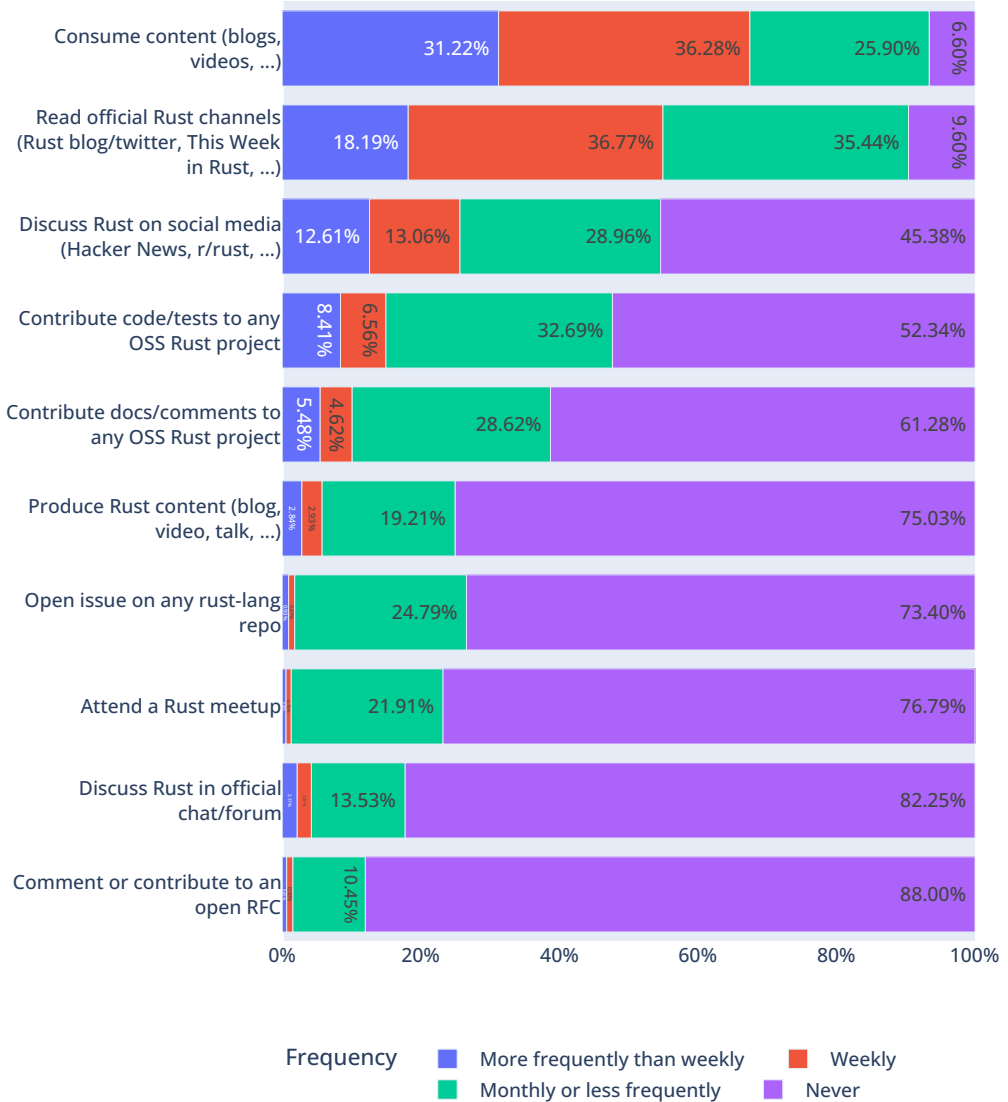
How do you download crates to build Rust projects?

(total responses = 9598, multiple answers)



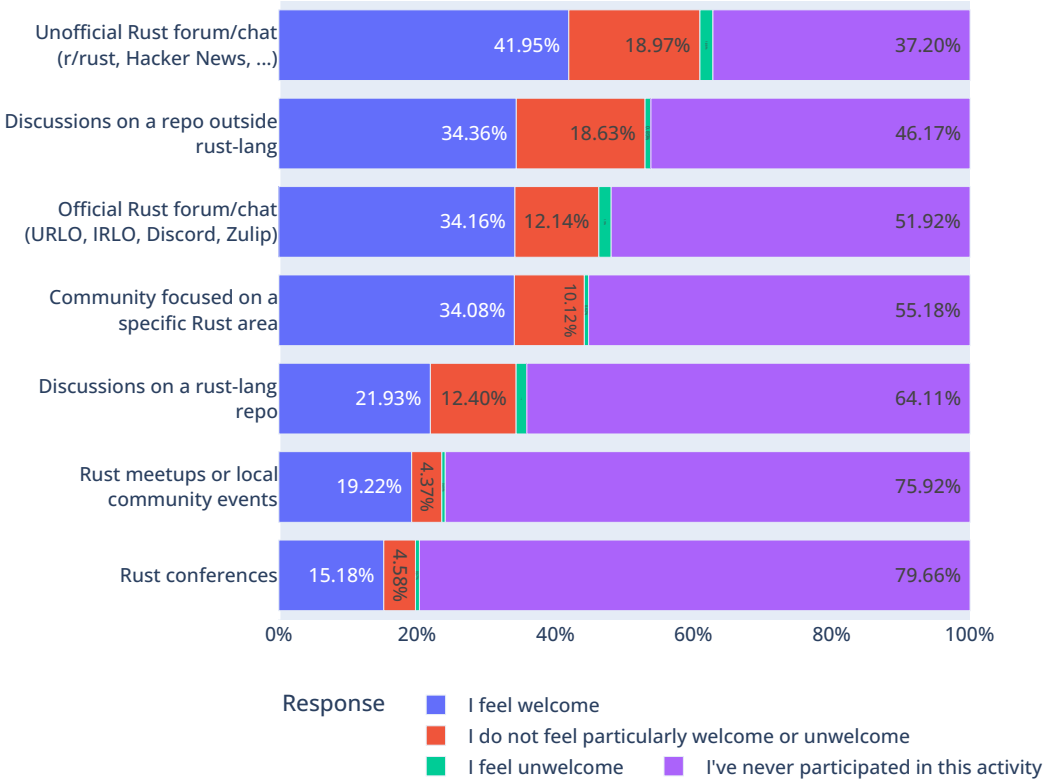
Roughly how often do you engage in the following Rust community activities?

(total responses = 6756)



What has your experience been like in the following Rust community spaces?

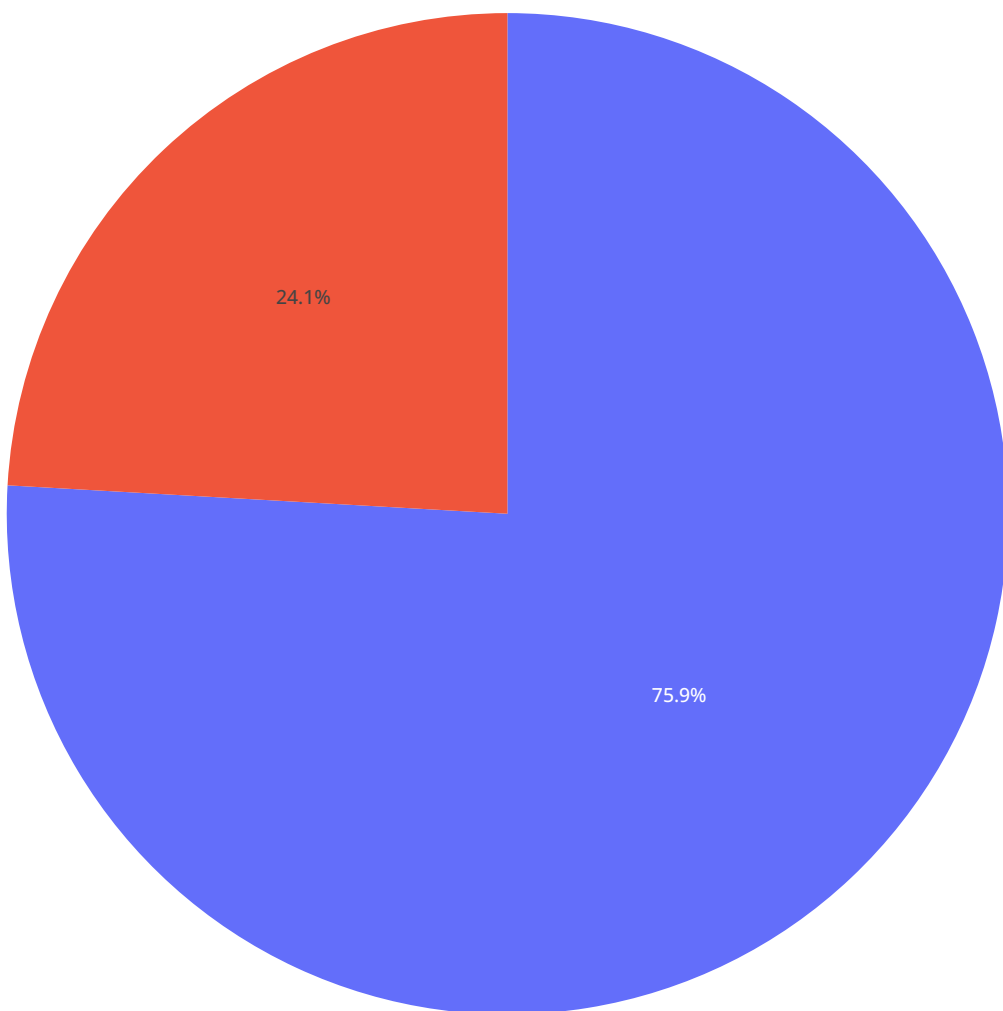
(total responses = 6585)



Are you employed full- or part-time (including paid internships)?

(total responses = 7466)

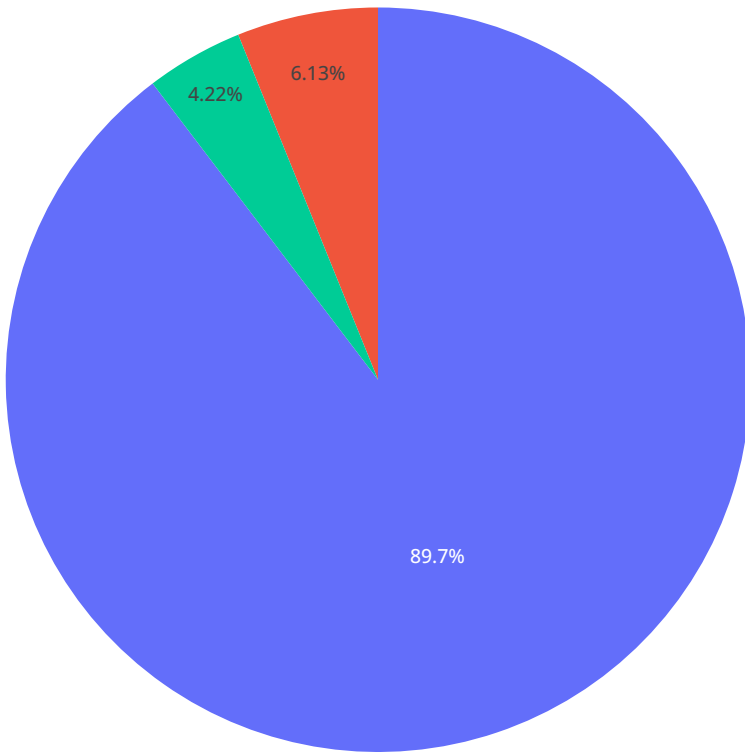
■ Yes
■ No



Do you write or design software in your work?

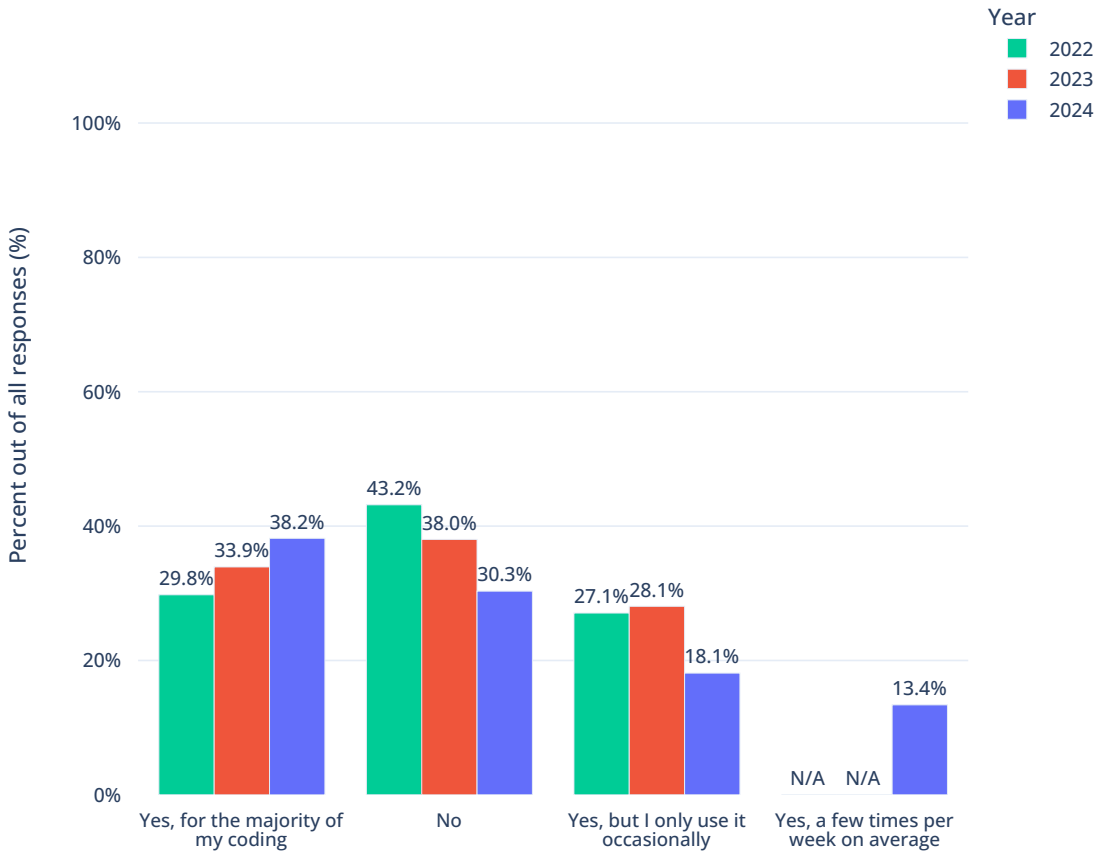
(total responses = 5662)

- Yes, primarily as an individual contributor (i.e., non-manager)
- I primarily manage others who do
- No



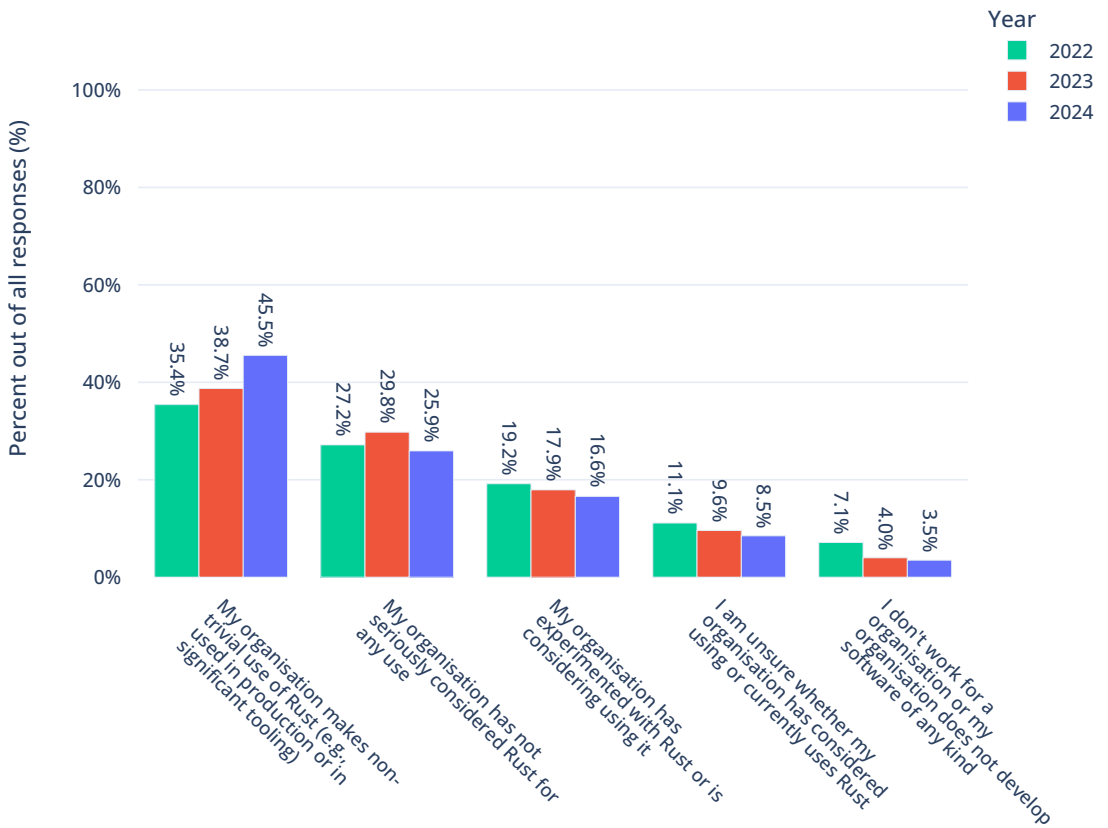
Are you using Rust at work?

(total responses = 7144, single answer)



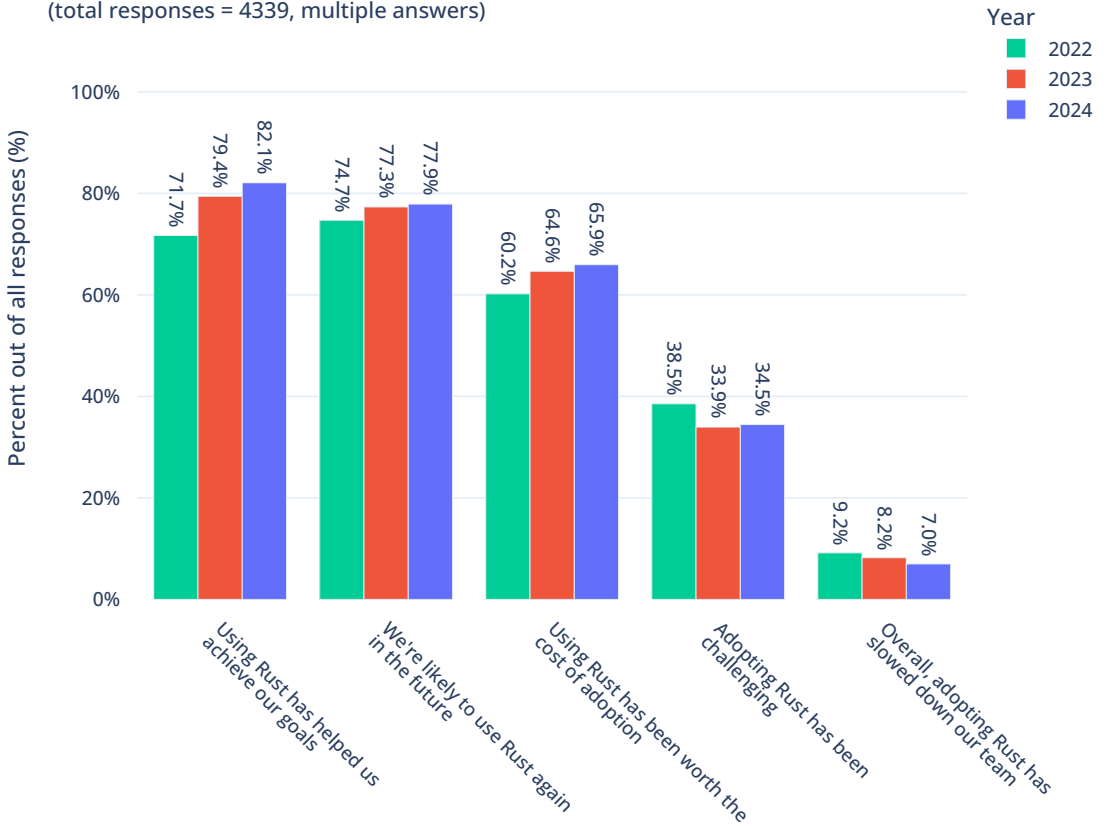
To what extent is Rust currently being used by your company?

(total responses = 7805, single answer)



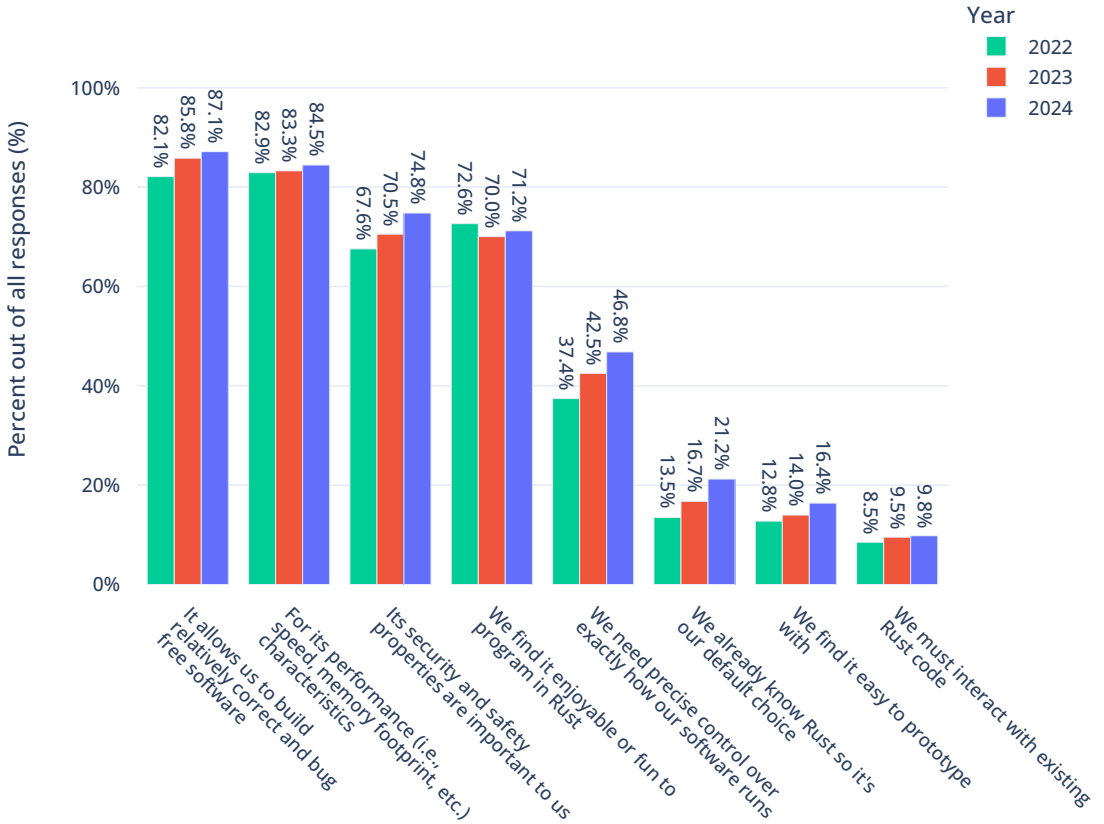
Which of the following statements apply to your experience using Rust at work?

(total responses = 4339, multiple answers)



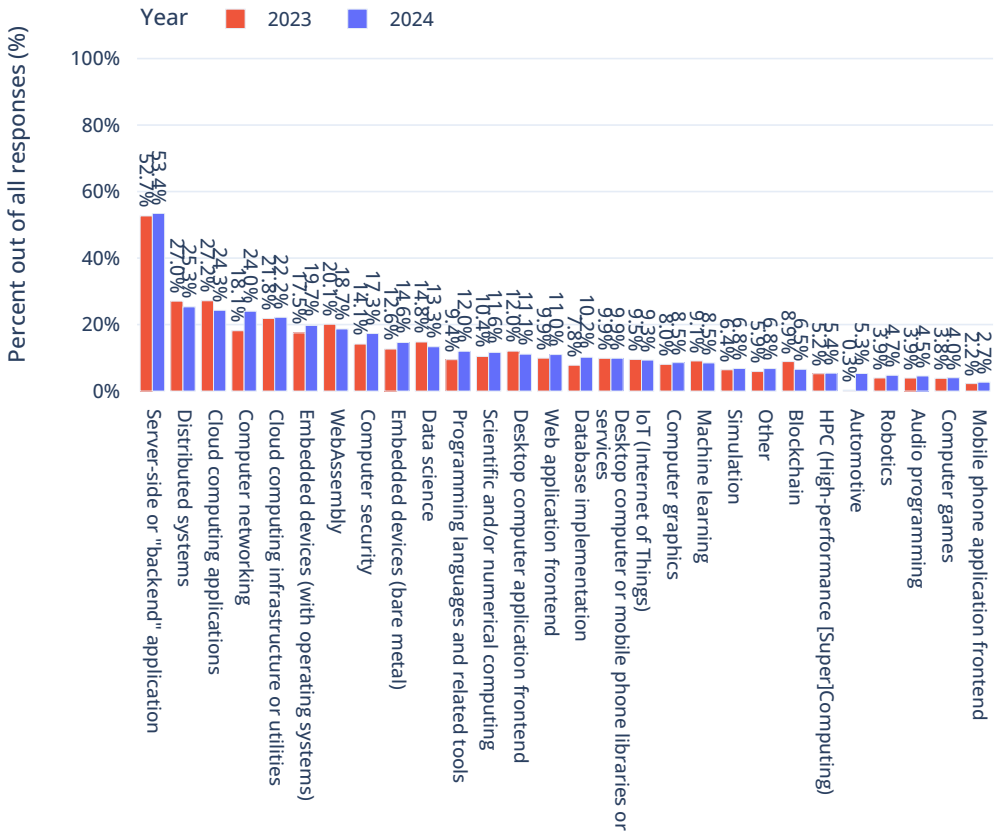
Which of the following statements are reasons why you use Rust at work?

(total responses = 4529, multiple answers)

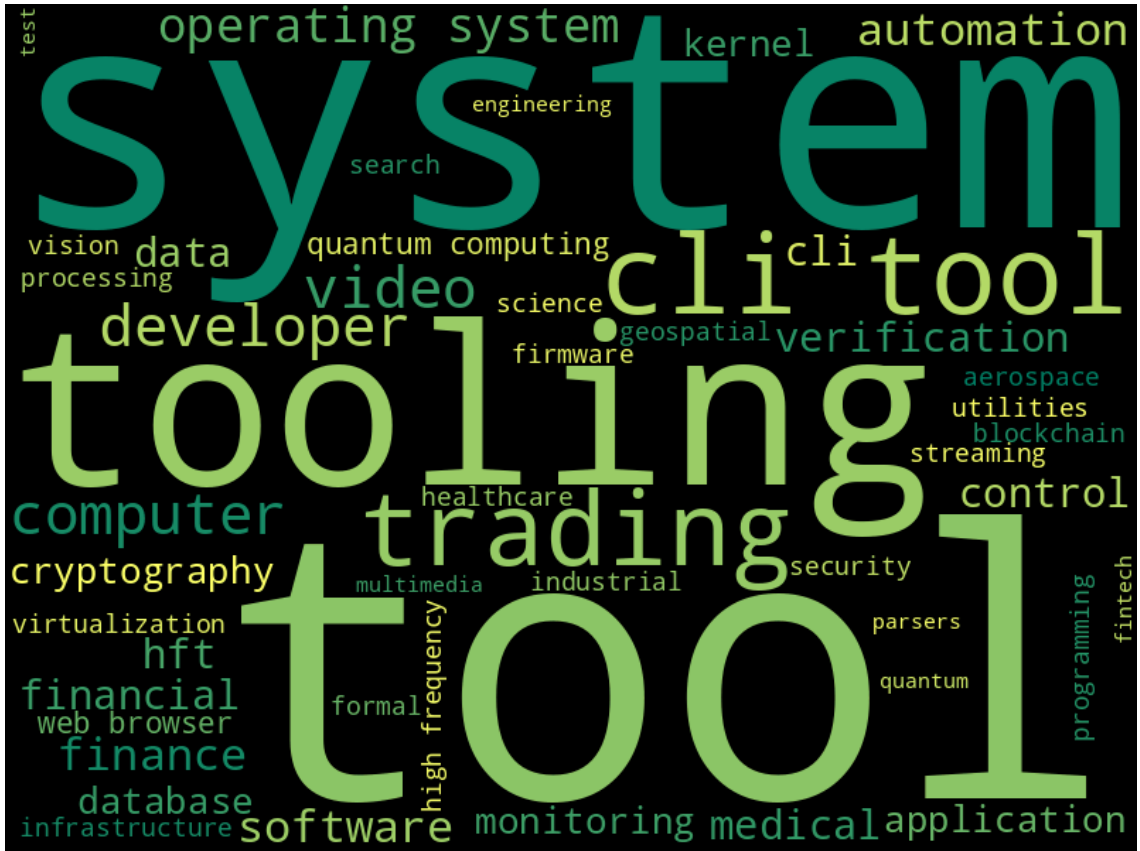


In what technology domain(s) is Rust used at your organisation?

(total responses = 4139, multiple answers)



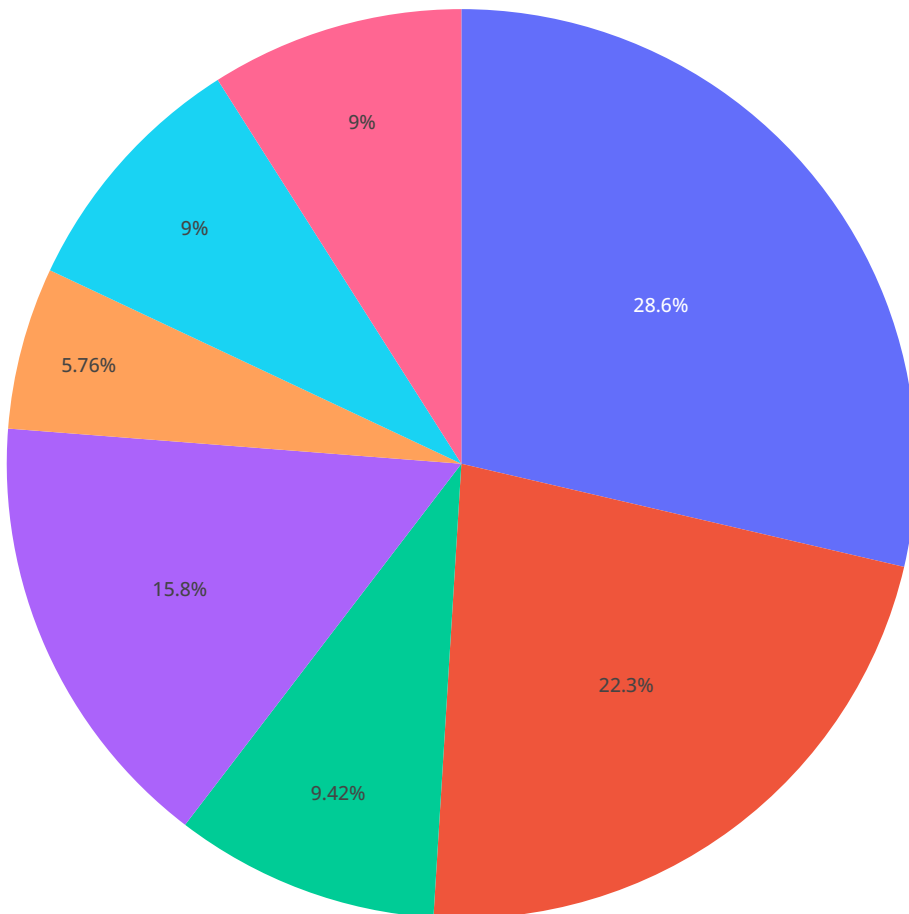
Wordcloud of open answers for the previous chart:



Approximately how many total developers does your organisation employ?

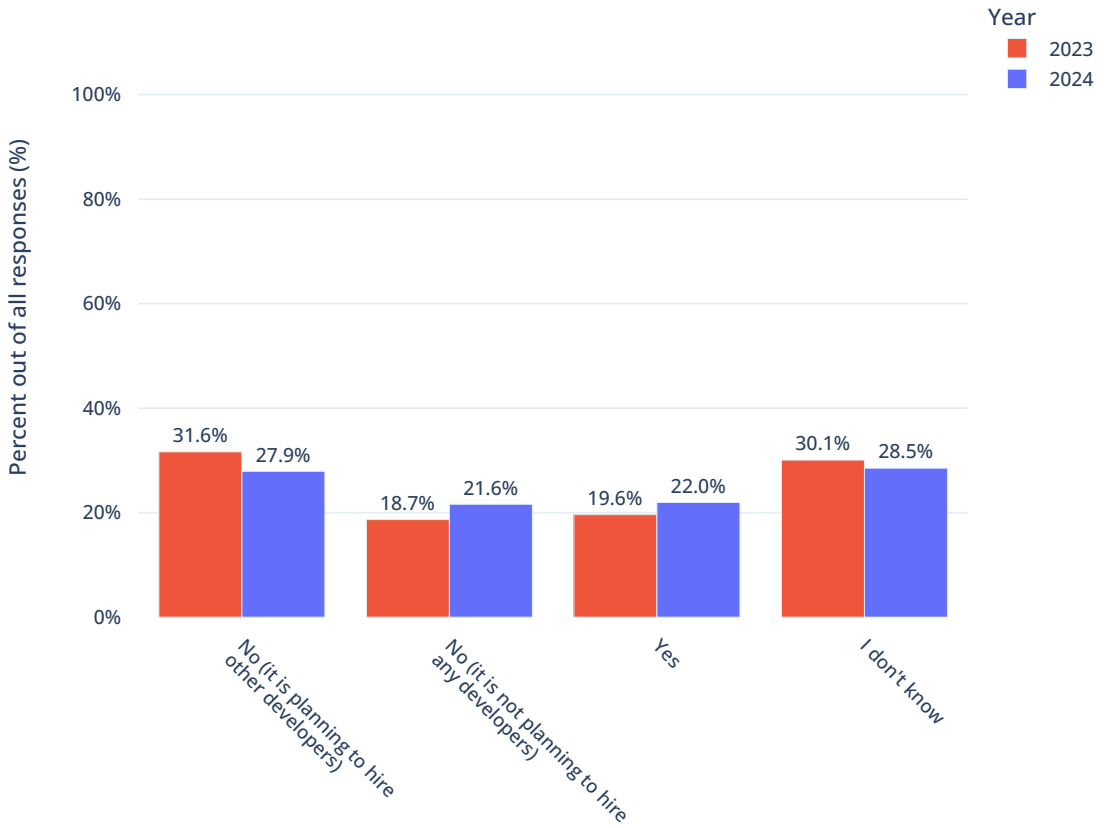
(total responses = 5310)

- Under 10
- 11-49
- 50-99
- 100-500
- 500-1,000
- 1,000-10,000
- Over 10,000



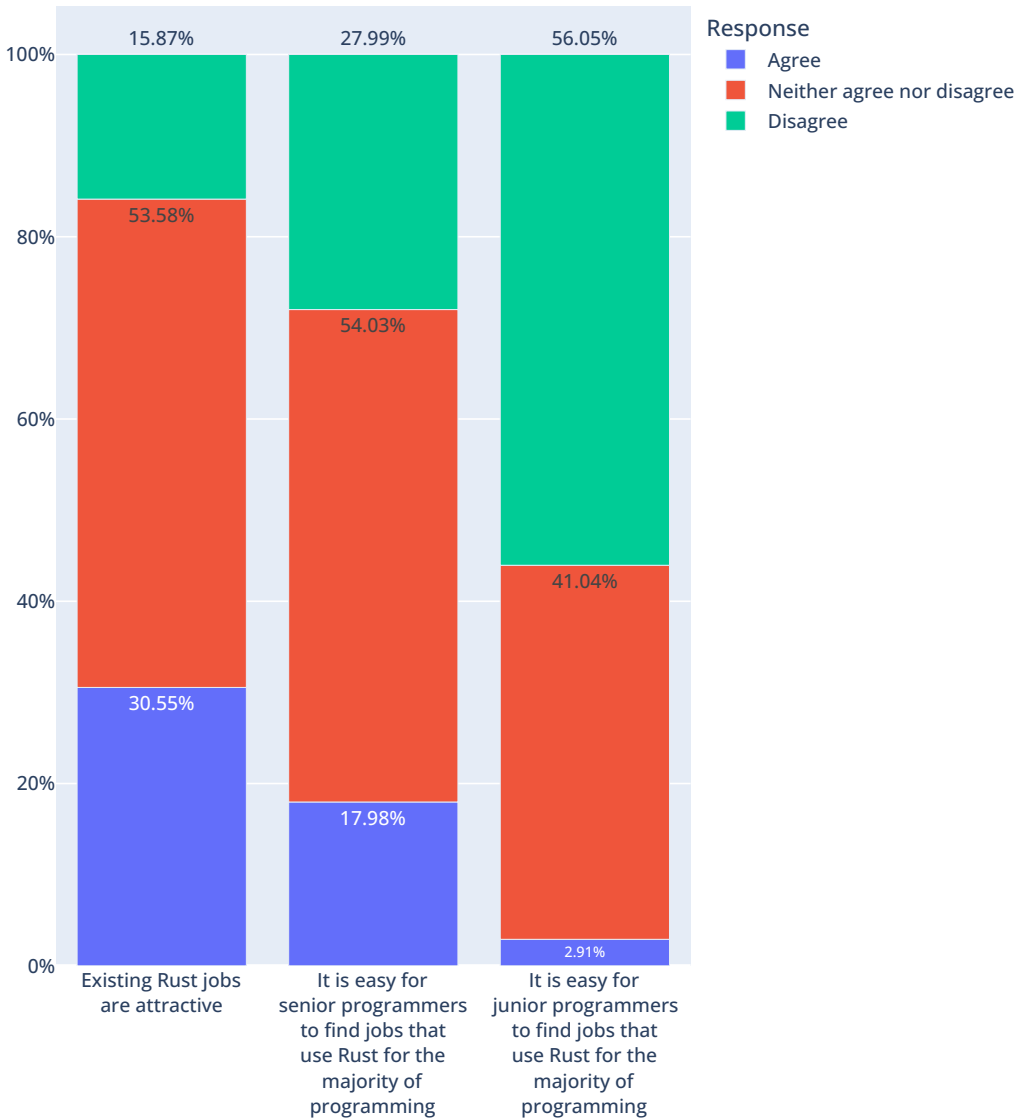
Is your organisation planning on hiring Rust developers in the next year?

(total responses = 7197, single answer)



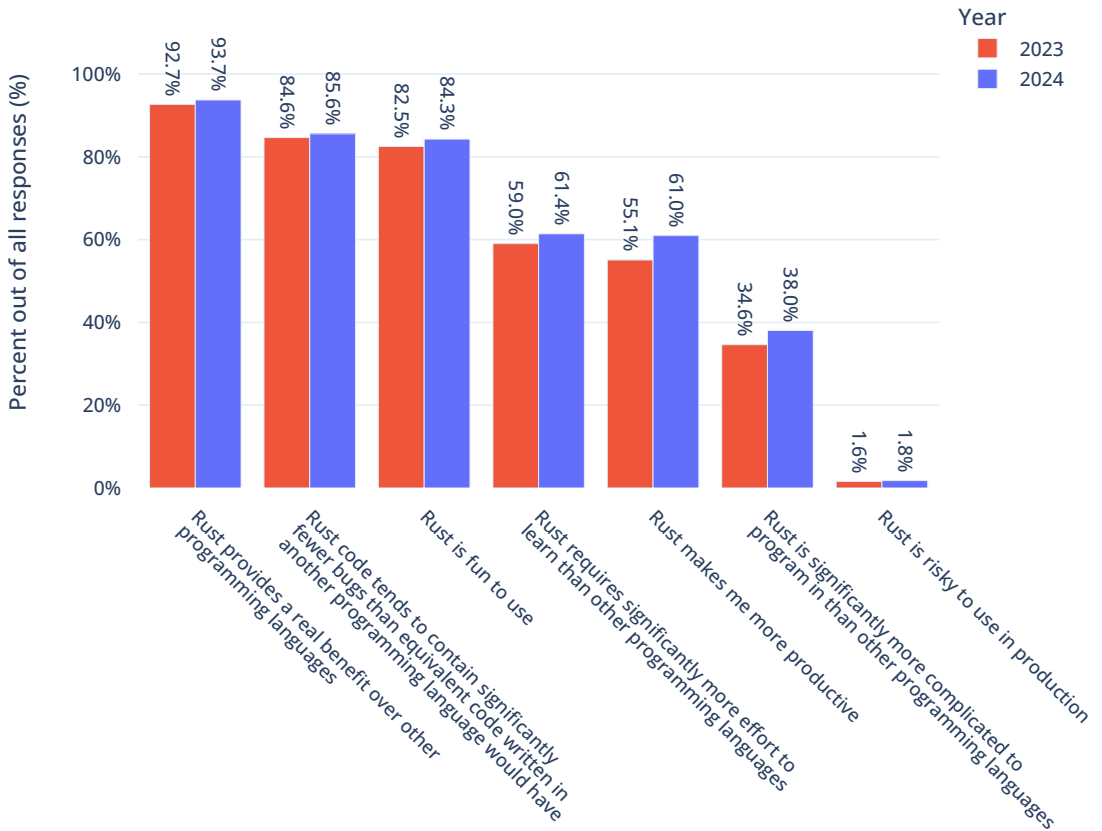
Please share your assessment of the following statements on Rust employmen

(total responses = 4969)



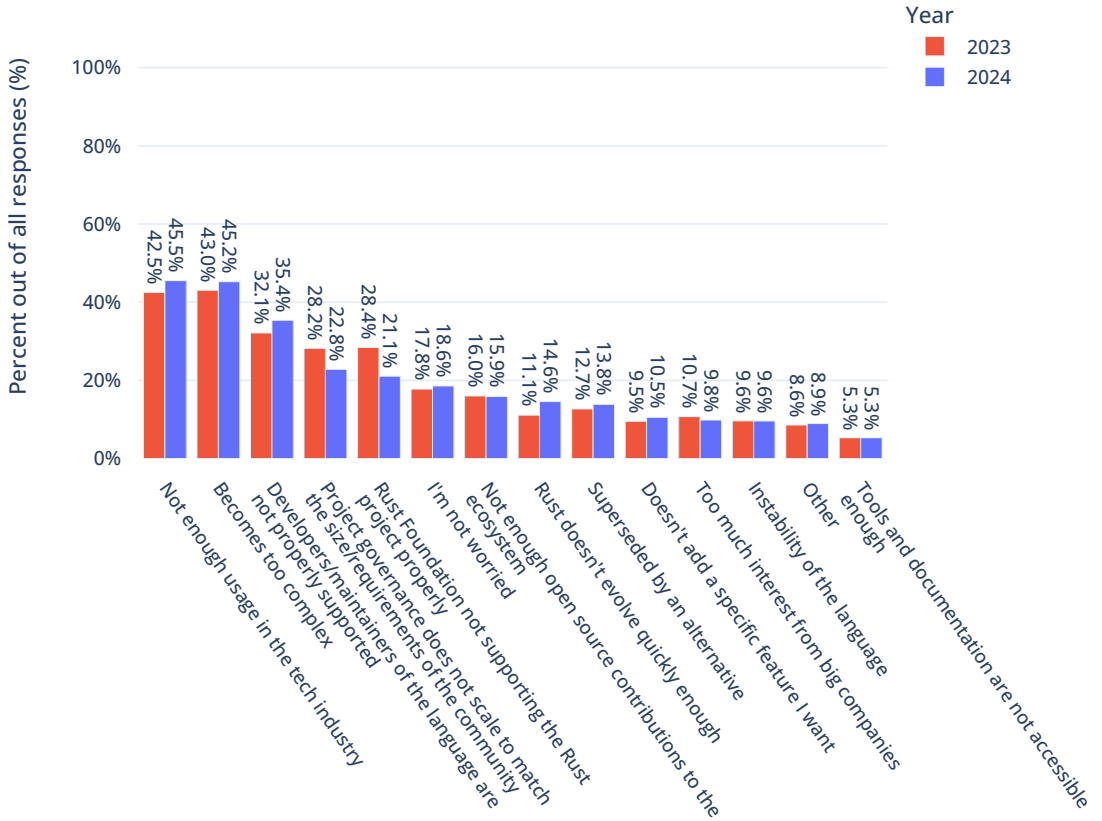
Which of the following statements about Rust do you feel are true?

(total responses = 9413, multiple answers)



What are your biggest worries for the future of Rust?

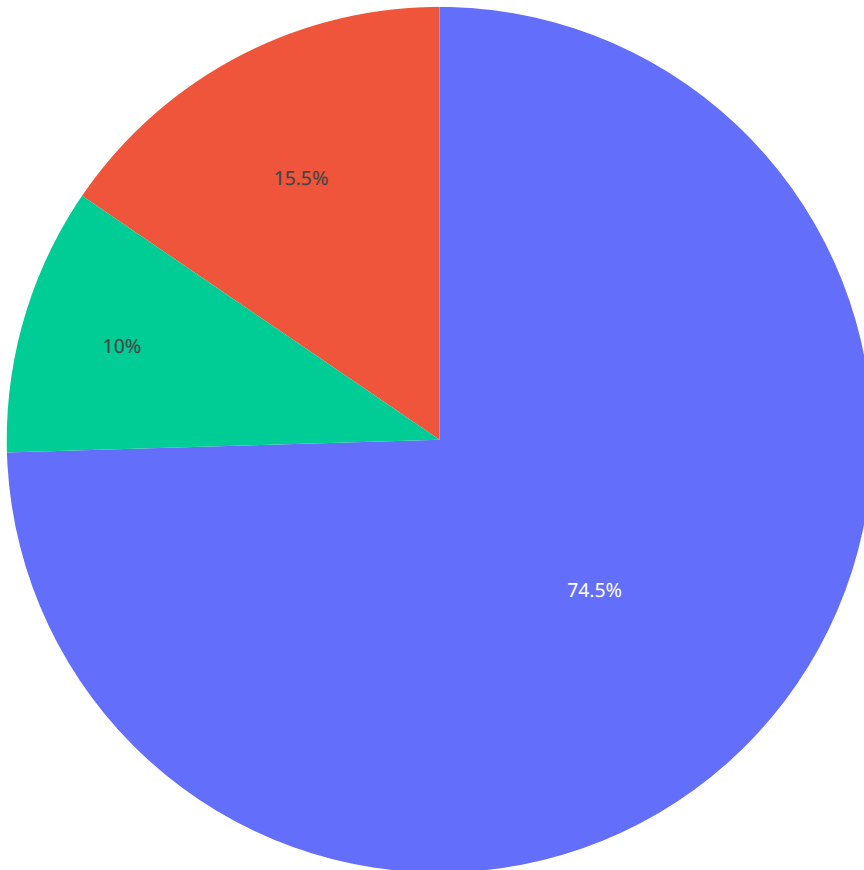
(total responses = 9374, multiple answers)



Do you consider yourself a member of a group that is underrepresented or marginalized in technology?

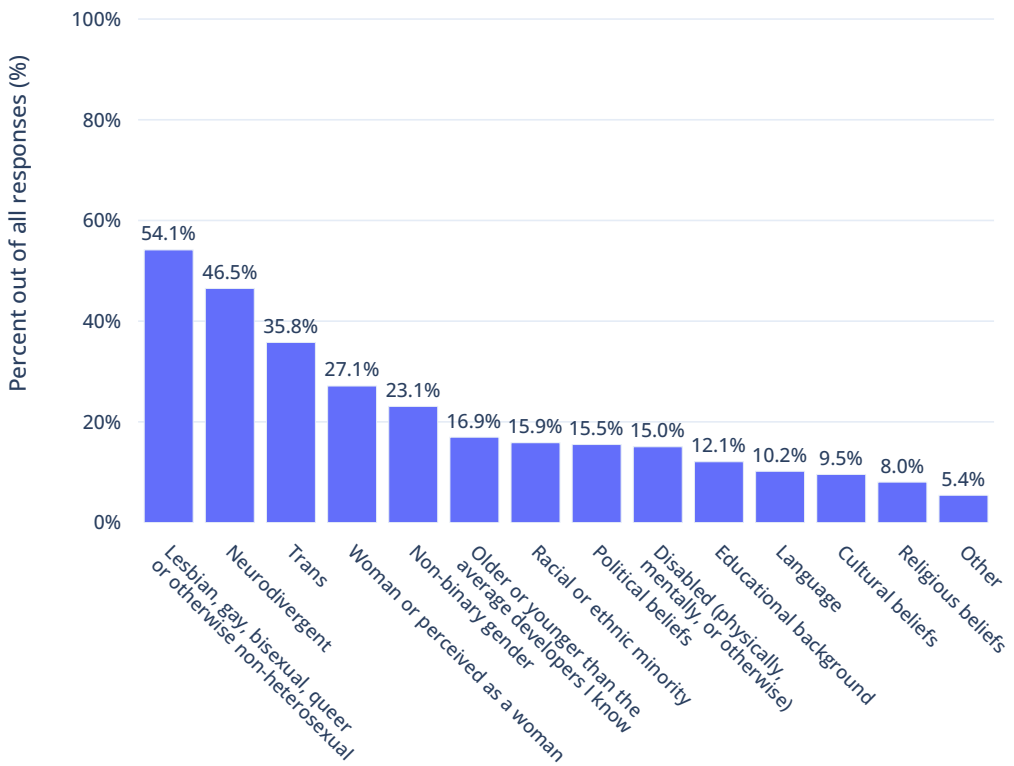
(total responses = 7260)

- No
- Yes
- I prefer not to say



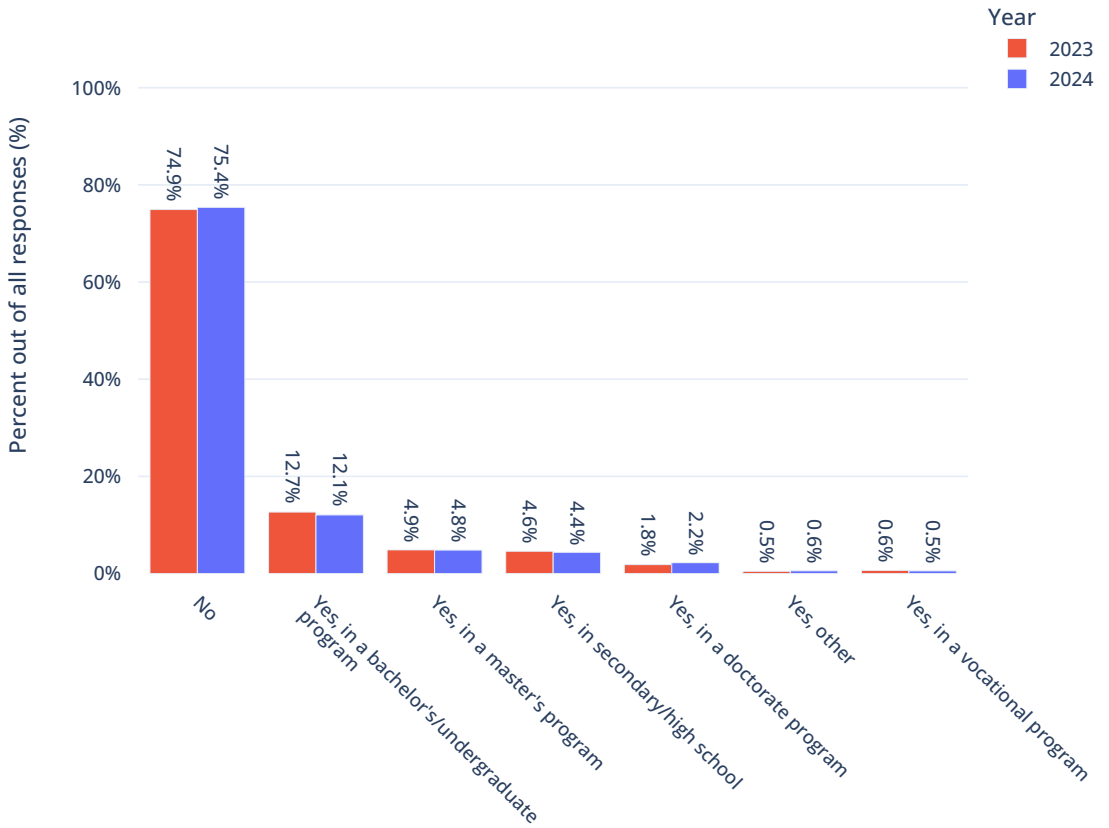
Which of the following underrepresented or marginalized groups in technology do you consider yourself a part of?

(total responses = 1110, multiple answers)



Are you a full- or part-time student?

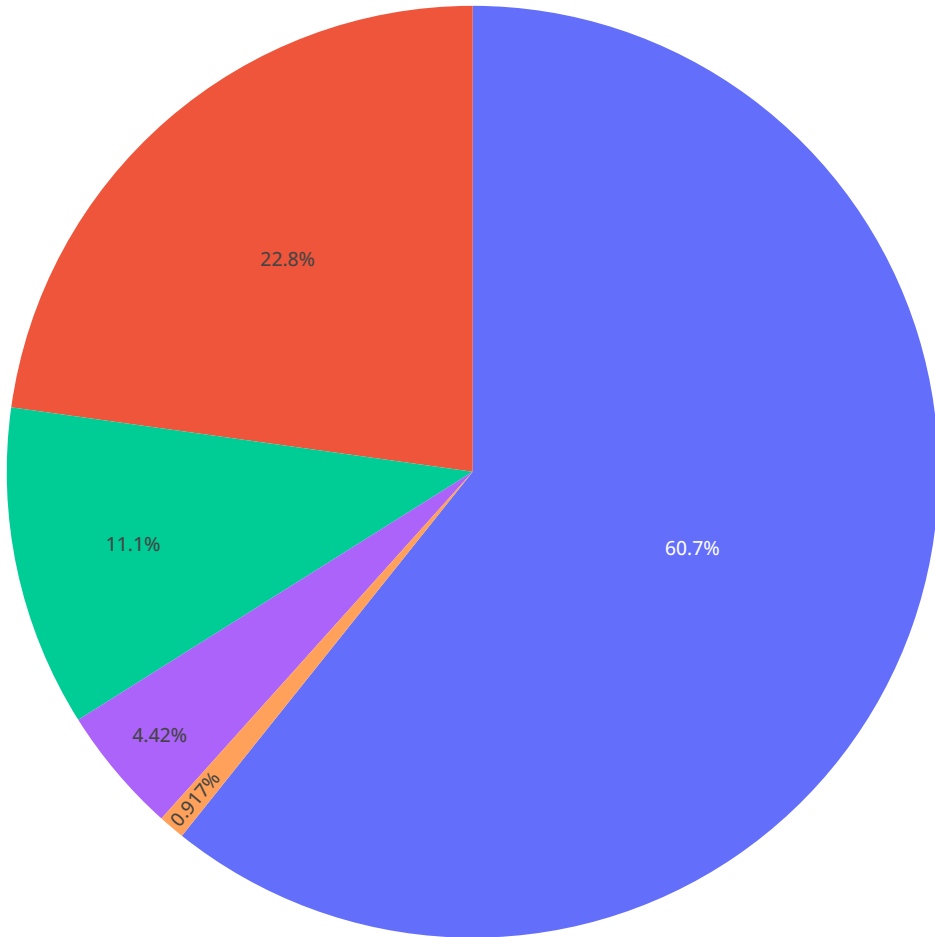
(total responses = 9662, single answer)



How long have you been programming (in any language, for any reason)?

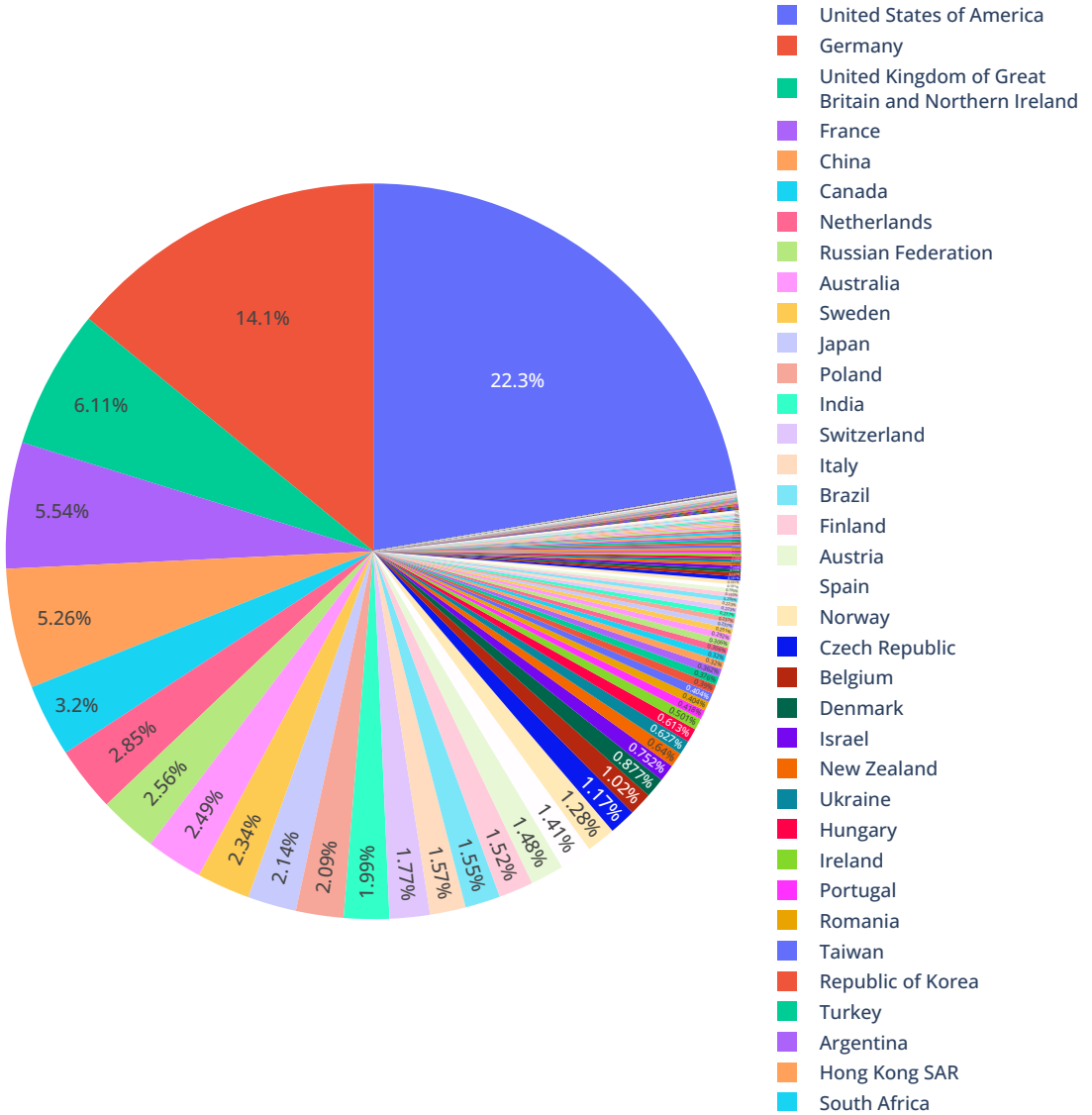
(total responses = 7305)

- > 10 years
- < 10 years
- < 5 years
- < 3 years
- < 1 year



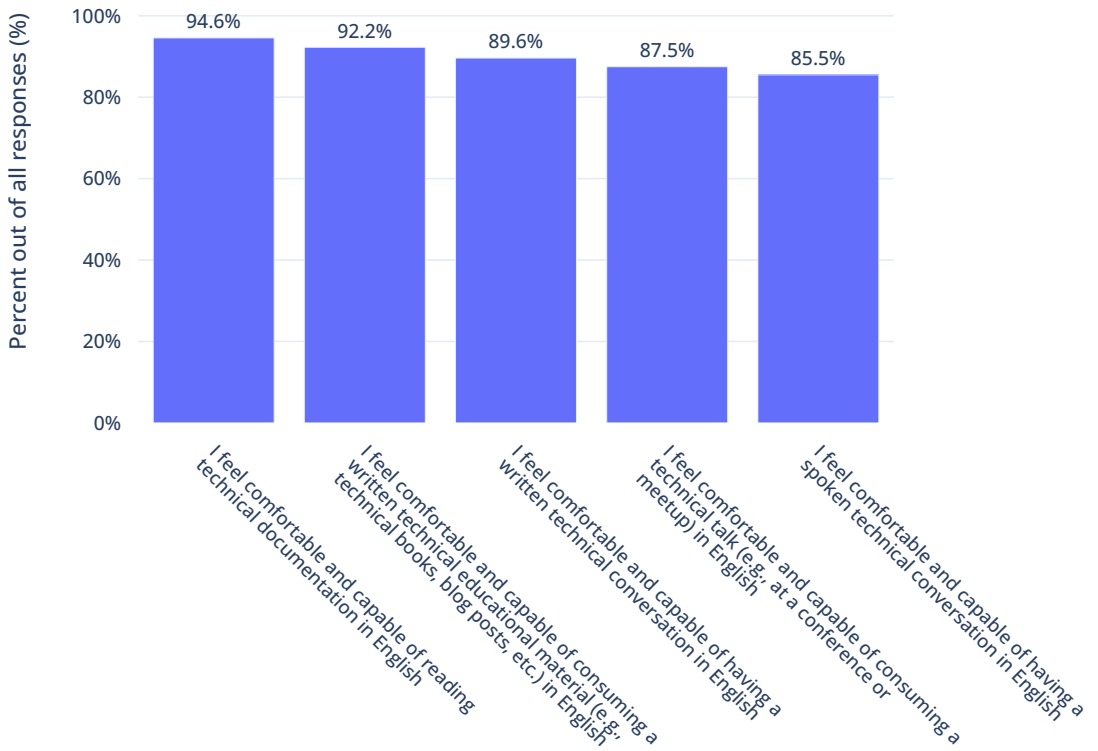
Where do you live?

(total responses = 7182)



In what ways are you comfortable communicating about technical topics in English?

(total responses = 7203, multiple answers)



In which language(s) are you most comfortable when consuming existing technical content (e.g. blog posts, documentation, etc.)?

(total responses = 7137, multiple answers)

