

Why use R?

1. Free
2. Graphics
3. Programming
4. Reproducibility
5. IDE
6. Packages
7. Community

Why use R?

R is *free*

Free as in *free beer*:

- Public can obtain and run your code, with low barrier

Free as in *free speech*:

- You can combine R with other systems, as can commercial entities, without hitting licensing constraints
- You can inspect and modify the code if you want
- You know what you are getting

Why use R?

R has excellent graphics support

R's graphics are *publishable*:

- No need to use external specialist software to produce graphics and charts
- Data-focused grammar of graphics

Why use R?

R is a fully-fledged programming language

- Direct, powerful scripted programming
- Tasks beyond data, and interacting with external software, can all be achieved from R, in particular . . .

Why use R?

R makes your work reproducible

Never underestimate your ability to make small errors!

R through `knitr` enables you to embed code, charts, and tables in your document.

Why use R?

IDE

RStudio, the IDE for R, is excellent.

Why use R?

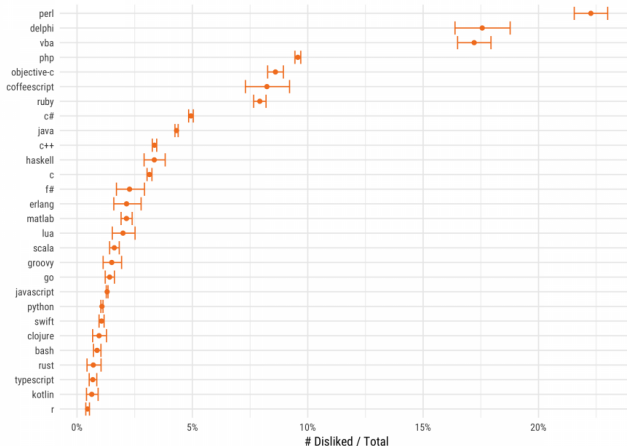
An outstanding ecosystem of packages

Why use R?

R is well-liked

How disliked is each programming language?

Based on "likes" and "dislikes" on Stack Overflow Developer Stories. Includes 95% credible intervals



Why use R?

R is growing

Stack Overflow Traffic to Programming Languages

Based on visits to Stack Overflow questions from World Bank high-income countries.
The more-visited languages of Python, JavaScript, Java, C#, and PHP were omitted.

