

Quantitative Resources

Learning Statistics

Classes exist in Biostatistics, Psychology, Brown School, Political Science, and others

Textbooks

- [Learning Statistics with R](#)
- [Statistics with R *](#)
- [Regression and Other Stories *](#)
- [Statistical Rethinking](#) (Bayesian)
- [An Introduction to Statistical Learning](#) (ML)

Visualizations

- Excellent visualizations of [effect sizes](#), [statistical power](#), [p-values](#), [confidence intervals](#) and more
- Building up [sampling distributions](#)
- [Guess the correlation](#)

Open Science Tools

These may vary based on which field you are in and which programming language you use. Talk to more senior members in your lab.

- [Git](#) and [GitHub](#)
- RMarkdown
- [Open Science Framework](#)
 - Including preregistration
- [PsyArXiv](#) & [bioRxiv](#)
- See if your journal accepts registered reports
- [Error Tight](#) by Julia Strand
- Citation manager (any of them)
- Bonus: password manager

Learning to code in R

Occasionally Becker Library hosts programming workshops. Grad student Brown Bags.

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| ▸ Code Academy | ▸ YaRrr, the Pirate's Guide to R |
| ▸ Coursera | ▸ R Cookbook |
| ▸ Code School/Pluralsight | ▸ Cheat Sheets |
| ▸ #rstats | ▸ Quick-R |
| ▸ @icymi_r | ▸ Shelly's Skill Lab^ |
| ▸ RLadies STL | ▸ Stack Overflow |
| ▸ `swirl` package | ▸ Check out tidyverse and easystats ecosystems |
| ▸ R for Data Science | |

Non-academic Reading

- [Calling Bullshit](#) by Carl T. Bergstrom & Jevin West
- [Weapons of Math Destruction](#) by Cathy O'Neil

Wash U Resources

You can find lots of resources for graduate students [here](#). Staying happy and motivated is necessary for producing good science!