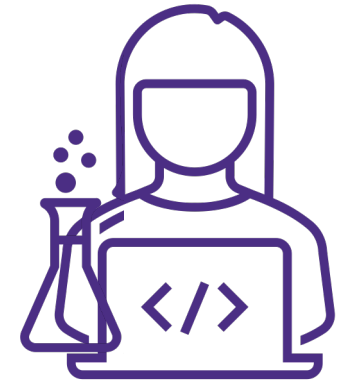


First of her name:
Fostering R usage as the
first bioinformatician in my
department

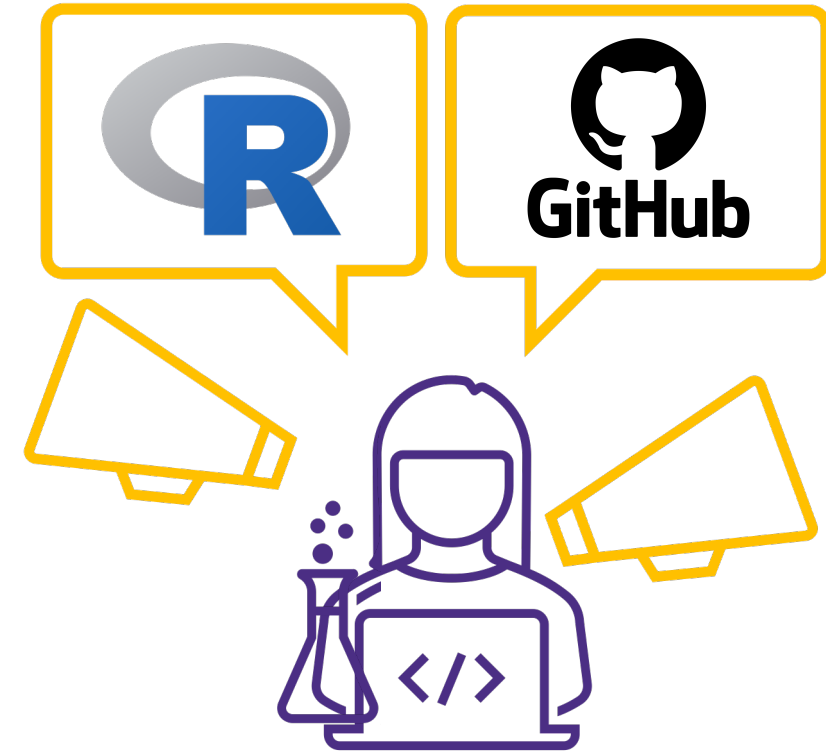
Kim Dill-McFarland
2021.06.05 · Cascadia R

The setting



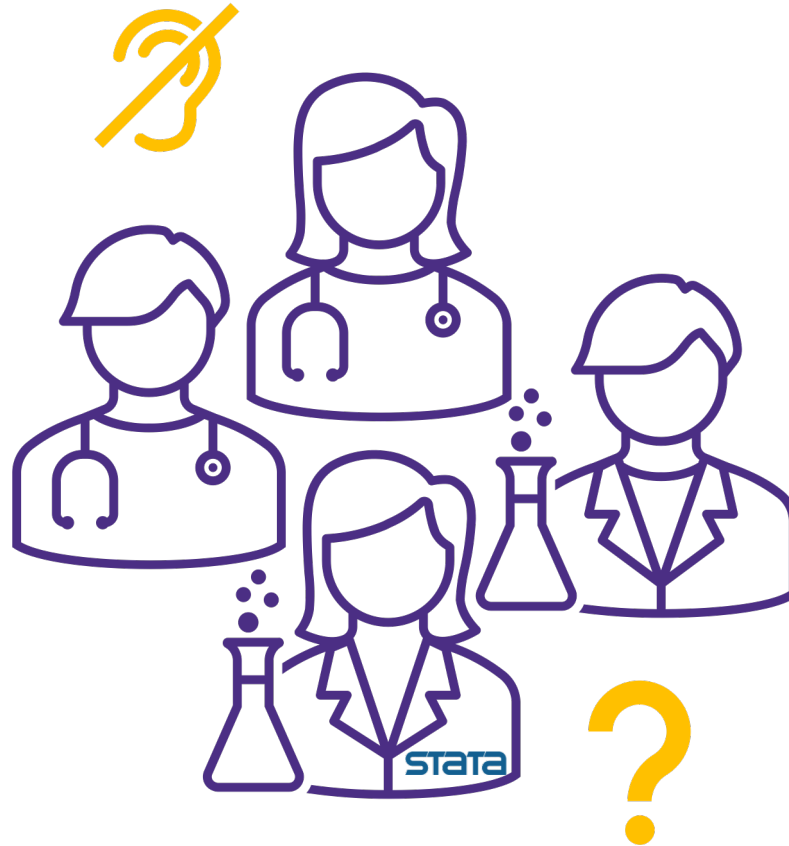
What I wanted to do

W
UNIVERSITY *of*
WASHINGTON
School of Medicine



What I did

W
UNIVERSITY *of*
WASHINGTON
School of Medicine




What I did later

W
UNIVERSITY *of*
WASHINGTON
School of Medicine



Workshops
Office hours
Community
...

Workshops




[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)


















hawn-lab / workshops_UW_Seattle

[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

master 1 branch 0 tags

[Go to file](#) [Add file](#) [Code](#)

 **kdlillmcfarland** Update README.md 3fe0cce 14 days ago 80 commits

	2019.08_Git.GitHub	Add GitHub workshop 2019	14 months ago
	2020.03.27_IntroR	Add IntroR 2020	14 months ago
	2020.04.03_RNAseq_DE_analysis	Add ggplot workshop	13 months ago
	2020.04.28_AWS	Update AWS video	13 months ago
	2020.05.12_linear_models	Add notes from UBC full workshop	12 months ago
	2020.05.26_R_loops_apply	Add loops, apply workshop	12 months ago
	2020.06.02_model.building.discuss...	Add stats discussion 2	11 months ago
	2020.06.09_Rmarkdown	Add Rmd workshop	12 months ago
	2020.06.30_R.functions	Create 2020.06.30_R.functions.mp4	11 months ago
	2020.07.01_IntroR	typo	6 months ago
	2020.07.07_Data.imputation	Create imputation summary	11 months ago
	2020.07.14_LDheatmap	Add LDheatmap tutorial	10 months ago
	2020.07.21_for.loops_lm	Add linear model loop workshop	10 months ago
	2020.07.28_mediation.analysis	Add mediation script review	10 months ago
	2020.08.11_FDR	Update 2020.08.11_live.notes.txt	10 months ago
	2020.12.10_automation	Add live notes	6 months ago
	2021.01.14_git	Update 2020.02.11_git_SD.Zoo.ICR.pptx	2 months ago



Maximize workshop effects

- Customize content to work tasks or skills
- Several, shorter sessions
- Get higher-ups to attend
- Eliminate costs for learners
- Record and share recordings
 - Make available / required for new highers

Workshop pitfalls to avoid

- Coding beyond foundational knowledge, especially in statistics
- Teaching what *you* think they should know
- Being too practiced and polished

Open office hours

Our office hours

- 3 – 4 PM every Tuesday
- Consistent Zoom link
- I attend even if no one indicated they have a question
- Work on [TidyTuesday](#) if no one attends

Maximize office hours

- Consider a remote format for accessibility
- Have another task (like [TidyTuesday](#)) to collaborate on if there are no questions
- Find a time that consistently works for the group
- Define themed events to coincide with work deadlines

Office hour pitfalls to avoid

- Repeatedly changing time, day, location, or canceling
- Letting it turn into a social hour
- Taking too many additional meetings for individual questions

Things that didn't work / worked less well

- Department-wide Slack channel
- Department-wide office hours
- Bioinformatics seminar series

Key take-aways

- Dedicate time and personnel to make a change
 - Organize workshops that directly address relevant tasks
 - Create a casual forum like office hours to facilitate on-going learning
 - Build a community of practice
-
- Not everyone needs to become a super user
 - You're not alone!

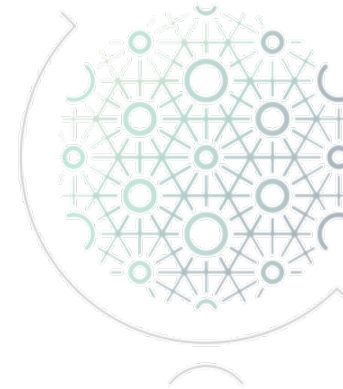
Free R workshop resources

- The Carpentries
 - <https://carpentries.org/workshops-curricula/>
- EDUCE at UBC
 - https://github.com/EDUCE-UBC/workshops_access



Dr. Thomas Hawn's lab

W
UNIVERSITY *of*
WASHINGTON



Experiential
Data science for
Undergraduate
Cross-disciplinary
Education