

Data Wrangling in R

Putting it all together

Further resources

<https://r4ds.had.co.nz/index.html> - section on “wrangling”

<https://adv-r.hadley.nz/> - Advanced R: more on functional & object-oriented programming

<https://rafalab.github.io/dsbook/introduction-to-data-wrangling.html> - Great foundations for R, with more examples like the ones in this class

Open case studies: <https://www.opencasestudies.org>

- <https://www.opencasestudies.org/ocs-bp-youth-disconnection/>
- <https://www.opencasestudies.org/ocs-bp-co2-emissions/>

Further resources - git

<https://happygitwithr.com/>

<https://lab.github.com/>

<https://www.katacoda.com/courses/git>

<https://git-school.github.io/visualizing-git/>

<https://rogerdudler.github.io/git-guide/>

<https://medium.com/quick-code/top-10-git-gui-clients-for-developers-b56d702579a6> - GUIs are a great way to get comfortable without memorizing commands

Further resources - AnVIL

<https://jhudatascience.org/phylogenetic-techniques/>

[https://jhudatascience.org/GDSCN Book Statistics for Genomics Differential Expression/](https://jhudatascience.org/GDSCN_Book_Statistics_for_Genomics_Differential_Expression/)

[https://jhudatascience.org/GDSCN Book Statistics for Genomics scRNA-seq/](https://jhudatascience.org/GDSCN_Book_Statistics_for_Genomics_scRNA-seq/)

[https://jhudatascience.org/GDSCN Book Statistics for Genomics PCA/](https://jhudatascience.org/GDSCN_Book_Statistics_for_Genomics_PCA/)

“It’s okay to google it”

<http://stats.stackexchange.com/>

<http://stackoverflow.com/>

<https://support.bioconductor.org/>


www.google.com

Three things: #1 Beware your humanness



General Article

False-Positive Psychology: Undisclosed Flexibility in Data Collection and Analysis Allows Presenting Anything as Significant

Psychological Science
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Joseph P. Simmons¹, Leif D. Nelson², and Uri Simonsohn¹

¹The Wharton School, University of Pennsylvania, and ²Haas School of Business, University of California, Berkeley

Three things: #2 Be reproducible!

“Your closest collaborator is you in six months, but you don’t respond to email.”

Three things: #3 Just try it

