

# 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

<https://jhudatascience.org/tidyversecourse/> - tidyverse course

- [Link](#) for coursera version to earn a certificate

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

# 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](http://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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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

