

# Improve your R workflow with dplyr and broom

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# Today

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1. Data manipulation with `'dplyr'` and `'tidyr'`
2. Graphics with `'ggplot2'`
3. Tidying-up model results with `'broom'`

# R + dplyr = bliss

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With these packages, I would argue that R is not only the best tool for performing (medium) data analysis, but it is the *\*perfect\** tool.

10 min to set-up

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<https://github.com/pavopax/r-bdf-2016>

Data:

<https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Medicare-Provider-Charge-Data/Inpatient2014.html>

“James et al”, is:

<http://www-bcf.usc.edu/~gareth/ISL/>

# Let's get started

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1. Data manipulation with `'dplyr'` and `'tidyr'`
2. Graphics with `'ggplot2'`
3. Tidying-up model results with `'broom'`

For each module:

Quick talk introducing concepts and examples

10-15 minutes for exercises



# Final notes

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Learn statistical modeling:

<http://www-bcf.usc.edu/~gareth/ISL/>

Read my blog:

[blog.pavopax.com](http://blog.pavopax.com)

If you or your friends need help:

[www.MethodOfMoments.io](http://www.MethodOfMoments.io)

# Acknowledgments <3

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R Creators

R Community