

# Training Computational Social Science PhD Students for Academic and Non-Academic Careers

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Johns Hopkins

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- ▶ Currently, research scientist at the SNF Agora Institute at Johns Hopkins and fellow at Harvard Kennedy School's Center for Public Leadership.

# Plan

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- 2 How to build CSS portfolio

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  - ▶ As we shall see, these components' proportions vary by audience and deliverable types.

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  - ▶ Or we are not well trained to be good communicators and presenters (going beyond job talks).

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  - ▶ Blog posts (for non-academic).

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- ▶ Use GitHub (there's a student developer pack!) to manage your research processes as well as outputs and document them (using README, etc).
  - ▶ Bonus: it helps you prepare replication code and data for journal publications.

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  - ▶ Again, if you created values, you must capture them.
  - ▶ Publication credits are easy to capture; others are not.

# Kudos Example 1



**Drew Engelhardt** @amengel.bsky.social · 15h

Huge thanks to [@jaeyeonkim.bsky.social](https://jaeyeonkim.bsky.social) for his {tidytweetjson} package and helpful tutorial. Went from crashing my RStudio attempting to read in a JSON file with 1.1 million tweets running overnight to loading and reformatting everything in just 10 minutes.

[jaeyk.github.io/tidytweetjson/](https://jaeyk.github.io/tidytweetjson/)

jaeyk.github.io

## Tidying Tweet JSON files

Twitter data is an important resource for social science research. However, parsing a great deal of Twitter JSON data is not an easy task for researchers with little programming experience. This packa...



1



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4



**Jae Yeon Kim** @jaeyeonkim.bsky.social · 1h

I'm glad to know that the code still works after 4 years!



1



**Drew Engelhardt**

@amengel.bsky.social

Works great! The package and the tip to use gsplint have made dealing with >200GB of tweets much easier. Appreciate it!

# Kudos Example 2



Figure 2: Kudos example 2

# Thank You

Comments or questions?  
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Moynihn, Donald P. 2022. “How Can Scholars Help to Embed Institutions of Public-Sector Change?(Or Things I Wish I’d Known When I Was a Grad Student).” *Perspectives on Public Management and Governance* 5(4):276–287.

Nolan, Deborah and Sara Stoudt. 2021. “The promise of portfolios: Training modern data scientists.” *Harvard Data Science Review* 3(3).

Robinson, Emily and Jacqueline Nolis. 2020. *Build a career in data science*. Manning Publications.