

MANDY DAVIS

📁 DATA ANALYST, EDUCATOR &
RESEARCHER

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🌐 [GITHUB.COM/MANDYDAVIS](https://github.com/MANDYDAVIS)
MANDY-DAVIS.COM

◦ SKILLS ◦

Programming languages: R • Python
• SQL • JavaScript (d3.js) • HTML •
CSS • Google App Scripts • C++ • C# •
C

Data cleaning & visualization:
Tableau • Trifacta

Research tools: Qualtrics • Amazon
Mechanical Turk

◦ AWARDS ◦

Phi Beta Kappa Honors Society

**Science in Human Culture Essay
Prize**
2021

Co-winner for the best
undergraduate essay, paper, or
thesis that treats science, medicine,
or technology in some historical,
philosophical, or social context.

**Circumnavigator's Travel-Study
Grant** (\$9,500)
2020

*The ICT Gender-Equality Paradox: A
Counterintuitive Global Trend of
Women in Tech*
[cancelled due to COVID-19]

Kabiller NU For Life Award (\$5000)
2019

*A Week Immersed in England's
National Curriculum for Computing*

**Winfred Hill Award for Best Paper in
Research Methods in Psychology**
2019

◦ ATHLETICS ◦

**Northwestern University Women's
Varsity Cross Country**
Represented Northwestern in cross
country, indoor track, and outdoor
track competitions while running 45-
70 miles a week and maintaining a
full course load.

◦ LANGUAGES ◦

English: Native/fluent
French: 2.5 years of university-level
instruction

👤 SUMMARY

Data analyst, educator, and researcher with a background in quantitative and qualitative research, including data visualization and web scraping.

🎓 EDUCATION

BA Psychology, Science in Human Culture, Minor: Computer Science, Northwestern University, Evanston, IL

June 2021 / GPA: 3.85 / Cum Laude / Senior Marshall for Science in Human Culture

Thesis: History of a Graph: The STEM Gender-Equality Paradox and the People who Made it

★ PROJECTS

Statistical Reanalysis of the Information and Communication Technology (ICT) Gender-Equality Paradox

Spring 2019. [View report.](#)

- Cleaned, analyzed, and visualized data from the UNESCO Institute for Statistics Education database.
- Reported on all details of the data analysis pipeline (e.g., excluding outliers), descriptive, and inferential statistics, which the UNESCO for Equal Skills Coalition report lacked; compared the outcome of three different correlation approaches.

Safe at Home? Investigating police invasions of Chicago homes in the aftermath of Breonna Taylor's killing.

Fall 2020. [View repository.](#)

- With a team of two others, completed a data science investigation using the Chicago Police Department database for delivery to the [Invisible Institute](#).
- Devised questions related to our topic and provided answers using relational analytics, visualization, interactive visualization, machine learning, and natural language processing.
- *Outcome:* The CPD database now includes data about warrants involved in allegations of misconduct.

📁 PROFESSIONAL EXPERIENCE

Middle School Math Teacher, West Middle School, Nampa, ID

August 2021 — December 2021

- Planned and delivered math lessons to 7th and 8th grade students at a high-need, Title I school in Nampa, Idaho.
- Completed training and coursework through Teach For America Idaho and Boise State University.

Senior Research Assistant, Northwestern University Social Media Lab, Evanston, IL

June 2018 — August 2020

- Used qualitative coding techniques to analyze data for two different master's projects: (1) classifying audience-reaching strategies on Facebook and (2) the experiences of transgender users of dating apps.
- Served as project manager of the final stages of a PhD candidate's dissertation work on algorithmic folk theories.

Coding Instructor, Code Ninjas, Chandler, AZ

June — August 2019

- Led a camp, events, and tutoring sessions to teach kids how to code.

