JENINE K. HARRIS, PHD

Data science professional with **extensive leadership, teaching, and mentoring experience.** Current position at a top-tier university includes **teaching statistics courses**, **leading training on data visualization and analysis**, **writing statistics books**, **conducting and publishing research**, and **mentoring junior level faculty and graduate students.** Accomplishments include writing the award-winning *Statistics with R: Solving Problems Using Real World Data* (2020) and *An Introduction to Exponential Random Graph Modeling* (2014), writing and publishing the *odds.n.ends* R package on CRAN, and authoring or co-authoring 90+ peer-reviewed scientific publications on gender equity in STEM, research reproducibility, and other topics. Co-founder/co-organizer of the R-Ladies St. Louis community group teaching women to code and facilitator of R and RMarkdown workshops for faculty, researchers, and trainees in the US and abroad.

I am seeking a data science opportunity to apply my leadership, technical, and training skills to new challenges.

View this CV online at https://jenineharris.github.io/cv/

CONTACT

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💻 PROFESSIONAL EXPERIENCE

Professor

current | **2010**

Washington University in St. Louis

📍 St. Louis, MO, USA

- Developed stable R packages so that students and data scientists could interact with my code. Packages were published on CRAN proving they were stable enough to be used globally.
- Authored or co-authored more than 90 peer-reviewed publications on gender equity in STEM, research reproducibility, social networks, social media, and other topics.
- Taught graduate-level courses in introductory and intermediate biostatistics and R skills with a particular focus on data literacy. Teaching evaluations from students were above the mean score for faculty in my school for all courses.
- Co-founded and co-directed a peer tutoring center for statistics.
- Conducted workshops for faculty and trainees in R and RMarkdown.

🎓 EDUCATION

PhD Public Health Studies, Biostatistics Concentration

2008 | **2004**

Saint Louis University

📍 St. Louis, MO, USA

- Dissertation title: Social network analysis and public health systems.
- Relevant Coursework: Applied Linear Modeling, Structural Equation Modeling, Social Network Analysis, Multilevel Modeling, Categorical Data Analysis, Survival Analysis.

📖 AUTHOR

Statistics with R: Solving Problems Using Real World Data

2020

Sage

📍 Thousand Oaks, CA, USA

- Won the 2021 *Most Promising New Textbook Award* from the Textbook & Academic Authors Association.
- Subject of book reviews in *Journal of Teaching in Social Work* and *Journal of Public Health Management and Practice*.
- Invited podcast speaker for *Data Femme*, *JPHMP Direct*, and *Stuff We Don't Learn in School*.

LANGUAGES

- R
- RMarkdown
- HTML
- GitHub
- SQL
- SAS

SKILLS

- Regression Modeling
- Data Visualization
- Reproducibility
- Data Literacy

Made with the R package *pagedown*.

Last updated on 2022-02-06.

2014

Introduction to Exponential Random Graph Modeling
Sage   📍 Thousand Oaks, CA, USA

- Supplemental materials include a stable R package, *ergmharris*, published on CRAN that includes all the book code and data so that readers can follow along to learn this method in R. The package has been downloaded over 35,000 times as of February, 2022.
- Translated into Chinese in 2016.

📈 OTHER RELEVANT EXPERIENCE

current | 2017

Co-Founder & Co-Organizer
R-Ladies St. Louis   📍 St. Louis, MO, USA

- Started St. Louis chapter of R-Ladies, a global organization with the mission of increasing gender diversity in the R community.
- Organize 4–9 hands-on free R workshops each year.
- Built partnerships with local businesses to provide space and food for workshops and networking.

current | 2020

R Trainer
Various   📍 Global

- Trained researchers on R and data visualzation as part of the 2021 Academic Hive Research Bootcamp held in Calabar, Nigeria.
- Conducted R introduction and data visualization training for child maltreatement prevention researchers at the University of Chicago.
- Taught data visualization in R virtual workshop at the 2021 American Public Health Association annual meeting.

current | 2019

R Package Developer
CRAN   📍 Global

- Wrote, published, and maintain the *odds.n.ends* R package that computes and displays odds ratios and confidence intervals, a contingency table, count R-squared, sensitivity and specificity, an ROC curve, and model significance from a generalized linear model object.
- https://cran.r−project.org/web/packages/odds.n.ends/index.html
- Downloaded over 15,000 times as of February, 2022.

👥 SELECTED VOLUNTEER EXPERIENCE

current | 2019

Library Board Member
Webster Groves City Council   📍 St. Louis, MO, USA

- Leading strategic planning efforts for next 5 years as chair of advance planning committee.

current | 2020

Notary Public
St. Louis City and County   📍 St. Louis, MO, USA

- Certified in summer 2020 and volunteered to notarize at election events.
- Provide free ballot notary services upon request.