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| Randi H Griffin, PhD  * Recent PhD with 9 years experience translating data into insights*  * R expert, comfortable in Python and MySQL*  *Strong background in social and biological sciences*  *Team player, creative problem solver, clear communicator* | 12 Edwards St  New Haven, CT 06511  **(617) 548-2608**  [**rgriff23@gmail.com**](mailto:rgriff23@gmail.com)  <https://rgriff23.github.io/> |
| EDUCATIONDuke University, NC, *PhD in Biological Anthropology*  — graduated May 2018 Instructor for data analysis workshops for faculty and grad students, leading modules on data cleaning, visualization, and modeling in R Harvard University, MA, *BA in Human Evolutionary Biology, cum laude* — graduated May 2010 Cambridge public schools tutor, 4 years varsity women’s ice hockey PROJECTS ON GITHUBPhD dissertation on skull shape evolutionExtracted shape data from CT scans of primate skulls and modeled skull shape evolution in 3D using multivariate GLMMs, cluster analysis, and multivariate ordination. <https://github.com/rgriff23/Dissertation>Scraping and analyzing data Olympic historyScraped historical data on 135k Olympians from [www.sports-reference.com](http://www.sports-reference.com) and analyzed historical trends in the number of athletes and events, participation of women, geographic representation, and athlete characteristics. <https://github.com/rgriff23/Olympic_history>Twitterstorm analysis with `twitteR`Compiled data on 4.5k users and 5k tweets, used social network analysis and sentiment analysis to characterize the storm. <https://github.com/rgriff23/Katie_Hinde_Twitter_storm_text_analysis>Spatial ecology of mosquito communitiesAnalyzed spatial distribution of mosquitoes in NC using GLMMs and multivariate ordination. <https://github.com/rgriff23/Mosquito_ecology>Eco-epidemiology of tapeworms in monkeysAnalyzed longitudinal data to assess the distribution and health impacts of tapeworms in monkeys using survival analysis. <https://github.com/rgriff23/Gelada_parasites> R package ‘btw’ for Bayesian evolutionary modelsAuthored package to run executable program BayesTraits from R using OS commands. Functions import and process BayesTraits output into convenient formats for further analysis. <https://github.com/rgriff23/btw>Simulation studies to evaluate published methodsAssessed the performance of two recently published statistical methods in evolutionary biology.<https://github.com/rgriff23/Evaluating_IE><https://github.com/rgriff23/Evaluating_mvBM> | SKILLS **Coding:** Proficient in R/R Markdown & git/GitHub; familiar with Python, MySQL, HTML/CSS, UNIX, Perl  **Data analysis-** Generalized linear mixed effects models, GIS, network analysis, survival models, multivariate ordination, text analysis, agent-based models, Bayesian methods  **Data collection-** Web scraping, mining social media (e.g., Twitter) HONORS & AWARDS **Kaggle weekly Kernel Awards winner for analysis of survey data, June 15, 2018 ($1000).**  <https://www.kaggle.com/heesoo37/stack-overflow-2018-survey-age-gender-sexuality/notebook>  **National Science Foundation Graduate Research Fellowship**, 2015, 12% applicant success rate  **James B. Duke Fellowship,** 2013, nominated and awarded by faculty PERSONAL INTERESTS **STEM outreach,** Science coach for Duke’s BOOST Program aimed at encouraging underrepresented groups to pursue careers in STEM  **Youth ice hockey coach,** 2010-16, Level 4 certified USA Hockey coach  **South Korean Women’s Ice Hockey National Team,** 2015-pres, 2018 Winter Olympics |

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| PUBLICATION HISTORY  1. Schneider-Crease, I.A., **Griffin, R.H.**, Gomery, M.A., Bergman, T.J., and J.C. Beehner. 2017. High mortality associated with parasitism in geladas (*Theropithecus gelada*) in the Simien Mountains National Park, Ethiopia. *American Journal of Primatology*, 79(9). 2. Schneider-Crease, I.A., **Griffin, R.H.**, Dorny, P., Noh, J.C., Handali, S., Chastain, H.M., Wilkins, P.P., Nunn, C.L., Snyder-Mackler, N., Beehner, J.C., and T.J. Bergman. 2017. Identifying wildlife reservoirs of neglected taeniid tapeworms: non-invasive diagnosis of endemic *Taenia serialis* infection in wild primates. *PLOS Neglected Tropical Diseases*, 11(7): p.e0005709. 3. **Griffin, R.H.**, and G.S. Yapunich. 2017. A critical comment on the ‘multiple variance Brownian motion’model of Smaers et al. (2016). *Biological Journal of the Linnean Society*, 121(1): 223-228. 4. Reiskind, M., **Griffin, R.H.**, Janairo, M.S., and K.A. Hopperstad. 2016. Mosquitoes of Field and Forest: The Scale of Habitat Segregation in a Diverse Mosquito Assemblage. *Medical and Veterinary Entomology*, 31(1): 44-54. 5. **Griffin, R.H.**, and G.S. Yapuncich. 2015. The Independent Evolution method is not a viable phylogenetic comparative method. *PLoS ONE* 10(12):e0144147. 6. Coburn, R.A., **Griffin, R.H.**, & S.D. Smith. 2015. Genetic basis for a rare floral mutant in an Andean species of Solanaceae. *American Journal of Botany* 102(2):264-272. 7. Young, H., **Griffin, R.**, Wood, C.L., and Nunn, C.L. 2013. Does habitat disturbance increase infectious disease risk for primates? *Ecology Letters*, 16(5): 656-663. 8. Cooper, N., **Griffin, R.**, Franz, M., Omotayo, M., and Nunn, C.L. 2012. Phylogenetic host specificity and understanding parasite sharing in primates. *Ecology Letters* 15(12): 1370-77. 9. **Griffin, R.H.**, Matthews, L.J., and Nunn, C.L. 2012. Evolutionary Disequilibrium and Activity Period in Primates: A Bayesian Phylogenetic Approach. *American Journal of Physical Anthropology* 147:409-416. 10. **Griffin, R.H.** and Nunn, C.L. 2011. Community structure and the spread of infectious disease in primate social networks. *Evolutionary Ecology* 26(4):779-800. |
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