

## **Randi H. Griffin, Ph.D.**

Data Scientist at KAYAK Software Corporation | Lecturer in Analytics at Northeastern University

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### Education

Duke University	Ph.D. program in Evolutionary Anthropology	2013-2018
Harvard University	BA Human Evolutionary Biology- <i>cum laude</i>	2006-2010

### Grants & fellowships

NSF Graduate Research Fellowship- \$102,000	2015
Graduate School of Duke Summer Research Fellowship- \$5500	2014, 2015
James B. Duke Fellowship- \$20,000	2013
Harvard Global Health Undergraduate Research Fellowship- \$4500	2009

### Teaching & mentorship

<i>Instructor:</i> Data Mining Applications (Northeastern)	Winter 2019
<i>Data analysis mini-course instructor:</i> Primate field ecology (Duke)	Fall 2016
<i>Teaching Assistant:</i> Primate Sexuality (Duke)	Spring 2015
<i>Senior undergraduate thesis mentor:</i> Sania Rahim (Duke)	2014-2015
<i>Teaching Assistant:</i> Health in Evolutionary Perspective (Duke)	Fall 2014
<i>Instructor:</i> AnthroTree Workshop on phylogenetic methods (Harvard, Duke)	2012-2014
<i>Teaching Assistant:</i> Introduction to Evolutionary Anthropology (Duke)	Spring 2014
<i>Teaching Assistant:</i> Genetics, Genomics & Evolution (Harvard)	Spring 2010
<i>Undergraduate Peer Tutor:</i> organic chemistry, statistics, & genetics (Harvard)	2008-10

### Work experience

<i>Part-time Lecturer:</i> Northeastern University Masters in Analytics Program	2019-pres
<i>Data Scientist:</i> KAYAK Software Corporation, marketing team	2018-pres
<i>Post-doctoral Fellow:</i> Insight Data Science, session 2018c in Boston	2018
<i>Research Assistant:</i> comparative biology with Dr. Charles L. Nunn (Harvard)	2011-13
<i>Research Assistant:</i> evolutionary genetics with Dr. Stacey D. Smith (UNL)	2010-11
<i>Research Assistant:</i> evolutionary genetics with Dr. Scott Edwards (Harvard)	2008

### Peer review

*Journals:* Evolution; Behavioral Ecology and Sociobiology; Biological Journal of the Linnean Society; American Journal of Physical Anthropology; American Journal of Primatology; Functional Ecology; Adaptive Behavior

*Granting agencies:* Leaky Foundation

*Books:* Modern phylogenetic comparative methods and their application in evolutionary biology

## Peer-reviewed publications

1. 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.
2. Schneider-Crease, I.A., **Griffin, R.H.**, Gomery, M.A., Bergman, T.J., and J.C. Beehner. *In review*. High mortality associated with parasitism in geladas (*Theropithecus gelada*) in the Simien Mountains National Park, Ethiopia. *American Journal of Primatology*, 79(9).
3. **Griffin, R.H.**, and G.S. Yapuncich. 2016. 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: 171-172.
7. Young, H., **Griffin, R.**, Wood, C.L., and Nunn, C.L. 2013. Does habitat disturbance increase infectious disease risk for primates? *Ecology Letters*, 16:656-663.
8. Cooper, N., **Griffin, R.**, Franz, M., Omatayo, M., and Nunn, C.L. 2012. Phylogenetic host specificity and understanding parasite sharing in primates. *Ecology Letters*, 15: 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*, 26:779-800.

## Conference presentations

11. Nunn, C.L., Young, H.S., **Griffin, R.H.**, & J. Clark. 2013. Parasites and primate communities: Amplification and dilution effects. American Association of Physical Anthropology Conference.
12. **Griffin, R.H.** & Nunn C.L. 2012. How does mating skew affect STD prevalence in multi-male multi-female mating systems? Ecology and Evolution of Infectious Disease Conference.
13. **Griffin, R.H.** & Nunn C.L. 2011. Community structure and the spread of infectious disease in primate social networks. American Association of Physical Anthropology Conference.

## Science outreach

<i>Coach</i> : BOOST (Building Opportunities & Overtures in Science & Technology) program promoting STEM in Durham public schools through mentorship	2015-2016
<i>Volunteer</i> at numerous local science outreach events	2010-pres

## Athletics & youth sports leadership

### **Youth Sports Leadership**

USA Hockey Level 4 Certified Coach	2010-pres
Lead Instructor of Jr. Carolina Hurricanes Girls Player Development	2015-2016
Prime Time Hockey (NC) ice hockey camp skills instructor	2006-2015

### **Athletics**

South Korean Women's Ice Hockey National/Olympic Team member	2015-18
Harvard University varsity women's ice hockey player	2006-10
ECAC Women's Ice Hockey Student-Athlete of the Year Finalist	2010
ECAC All-Academic Team	2006-10