# **DR. JENNIFER F. MOORE**

Moore Ecological Analysis and Management, LLC Gainesville, FL 32609

non-governmental organizations.

# EDUCATION

# Ph.D., Wildlife Ecology and Conservation 2018 University of Florida, Gainesville, FL Dissertation: Ecology and Conservation of Mammalian Communities and the Impact of Illegal Human Activities in Nyungwe National Park, Rwanda 2013 Master of Environmental Management Certificate of Geospatial Analysis Duke University, Nicholas School of the Environment, Durham, NC Thesis: Conservation of Marojejy National Park: Lemur population surveys and habitat disturbance assessments with remote sensing Bachelor of Arts in Statistics and Geography (minor: Environmental Policy and Culture) 2011 **Bachelor of Music in Oboe Performance** Northwestern University, Evanston, IL Senior thesis (honors): Predicting urban wildlife in Chicago, Illinois PROFESSIONAL EXPERIENCE 2021-Independent Consultant, Moore Ecological Analysis and Management, LLC, Gainesville, FL Consulting work with a focus on data analysis and wildlife survey planning. Current contracts with government agencies and

# 2019-

# **Post-Doctoral Associate, Department of Wildlife Ecology and Conservation, University of Florida, Gainesville, FL** Analyze data related to the restoration of the Lone Cabbage Reef, and mentor students in the use of statistical methodologies for data analysis. Organize quarterly RMarkdown reports through Github for funding agency.

#### 2019-2021

# *Contractor, Cherokee Nation Technology contracted to the United States Geological Survey, Gainesville, FL* Population viability analysis using matrix population models for wood turtle (*Glyptemys insculpta*) to support U.S. Fish and Wildlife Service with the status assessment of pre-listing this species.

# 2015-2021

# Consultant, Wildlife Conservation Society – Rwanda Program, Nyungwe National Park, Rwanda

Ecological studies of mammals in Nyungwe National Park using arboreal and ground camera traps, line transects, and ranger-based monitoring data in collaboration with Wildlife Conservation Society, Rwanda Program.

#### 2019-2020

# Consultant, International Gorilla Conservation Programme & the Institute of Tropical Forest Conservation

Conducting an arboreal camera trap study in Volcanoes National Park and Bwindi Impenetrable Forest National Park in collaboration with the International Gorilla Conservation Programme, the Institute of Tropical Forest Conservation, the Rwanda Development Board, and the Uganda Wildlife Authority.

#### 2018-2019

# Student Contractor, United States Geological Survey, Gainesville, FL

Population viability analysis using matrix population models for wood turtle (*Glyptemys insculpta*) to support U.S. Fish and Wildlife Service with the status assessment of pre-listing this species.

# 2018-2019

# Data Scientist, University of Florida, Gainesville, FL

Analyzed and summarized data collected through the Lone Cabbage Reef oyster restoration project.

# 2018-2019

# Post-Doctoral Associate, Department of BioSciences, Rice University, Houston, TX

Conducted analyses comparing the effectiveness of field methodologies (line transect surveys, ground camera traps, and arboreal camera trap) and taught a freshman ecology seminar.

#### Fall 2018

# Curriculum Development Consultant, University of Florida, Gainesville, FL

Created course materials using RMarkdown for an 'Introduction to Data Science' course with focus in ecology and medical science through the University of Florida Library under Dr. Daniel Maxwell.

#### Summer 2014

#### NY Field Leader, Cornell University, Ithaca, NY

Coordinated logistics, sample collection and storage, and data entry for a large-scale field study assessing the population of a riparian dwelling mustelid, including overseeing a 12-person field team consisting of 5 state employees, 4 university employees, and 3 dog-handler scat detection teams.

#### 2013-2014

#### Research Associate, Ivindo National Park, Gabon

Managed the day-to-day schedule and finances (budget ~ \$4000 US monthly) for the establishment of a new long-term research study looking at species populations and forest dynamics using line-transect surveys and phenology routes. Oversaw a field team of 8 Gabonese park guides and drivers, 20 local village guides, and 2 American researchers. Involved in transect site selection using GIS, and establishment of transects on the ground through collaboration with local village chiefs, guides, and logging companies.

#### Summer 2012

#### Lead Researcher, Marojejy National Park, Madagascar

Conducted a study investigating the diversity and density of lemurs in relation to the degree of habitat disturbance using line transect methodology and classification of high resolution GeoEye imagery in a remote National Park. Managed a field team of 7 Malagasy technicians.

#### 2011-2013

#### Education Staff, Duke Lemur Center, Durham, NC

Interpret life history information and conservation status for 12-15 lemur species for visiting patrons.

#### 2011-2013

# Big Cats Initiative Researcher, National Geographic & Duke University, Durham, NC

Modeled snow leopard range in Mongolia using Maxent and generalized linear models. Utilized Google Earth to refine potential cheetah range.

#### 2011-2012

# Ecosystem Services Assistantship, Nicholas School of the Environment, Durham, NC

Evaluated ecosystem services tools using ArcGIS, R, Python, and stand-alone programs under the supervision of Dr. Dean Urban.

#### 2010-2011

# Urban Wildlife Researcher, Lincoln Park Zoo, Urban Wildlife Institute, Chicago, IL

Tracked the presence of wildlife, such as coyotes and deer, in urban areas using camera traps. Created a statistical model based on environmental and economic factors to predict future urban wildlife presence.

#### Summer 2010

# Ecological Modeling Intern, Smithsonian Environmental Research Center, Edgewater, MD

Analyzed and calibrated the SedNet sedimentation model for the Spring Creek watershed in central PA using R and ArcGIS.

# **GRANTS, CONTRACTS, & FELLOWSHIPS**

- Arboreal Camera Trap Surveys for Pangolin in Ziama National Park, Guinea Contract with Flora and Fauna International Mountain Lion Survival, Home Range, and Resource Selection within and outside of Grand Canyon National Park – Contract with National Park Service, Grand Canyon National Park (funded by Grand Canyon Conservancy)
  Regional Estimates of Antillean manatee population size – Contract with the Clearwater Aquarium
  - Park-wide density, abundance, and occupancy estimates for mammal species in Nyungwe National Park Contract with Wildlife Conservation Society Rwanda Program
- 2021- Species Status Assessments for Spotted and Wood Turtles Contract with U.S. Geological Survey through Cherokee Nation Technology

2021	Arboreal Camera Trap Surveys of Gishwati-Mukura National Park – Contract with International Gorilla Conservation
	Programme (funded by WWF Sweden)
	Environmental variation and interspecific interaction effects on electrofishing capture efficiency – Contract with
	National Park Service, Grand Canyon National Park (funded by Grand Canyon Conservancy)
2019	National Geographic Society Committee for Research and Exploration Grant
	American Society of Mammalogists Early Career Conference Travel Award
2018	Margot Marsh Biodiversity Fund (Collaboration with Wildlife Conservation Society, Rwanda)
	Primate Action Fund (Co-PI: Dr. Magdalena Svensson)
	University of Florida Wildlife Graduate Student Association Travel Grant
2017	Doris and Earl and Verna Lowe Scholarship, University of Florida
	University of Florida Wildlife Ecology and Conservation Outstanding Graduate Teaching Award
	University of Florida Research Abroad for Graduate Students Award
	James Davidson Graduate Travel Scholarship
	University of Florida Center for African Studies Travel Award
	University of Florida Center for Research Travel Award
	University of Florida Graduate Student Council Travel Grant
	University of Florida Wildlife Graduate Student Association Travel Grant
2016	William C. and Bertha M. Cornett Fellowship, University of Florida
	Sigma Xi Honor Society Grants-in-Aid
	American Society of Mammalogists Grants-In-Aid
	Lewis and Clark Fund for Exploration and Field Research
	University of Florida Wildlife Ecology and Conservation Outstanding Graduate Research Award
	University of Florida Institute of Food and Agricultural Sciences Travel Grant
	University of Florida Wildlife Graduate Student Association Travel Grant
2015	Sigma Xi Honor Society Grants-in-Aid
	Agriculture Women's Club Scholarship, University of Florida
	University of Florida Center for African Studies Pre-Dissertation Travel Award
	University of Florida Tropical Conservation & Development Travel Award
2014-2018	University of Florida Graduate Alumni Fellowship

- 2011-2013 Nicholas School of the Environment Scholarship
- 2010 National Science Foundation Research Experience for Undergraduates Fellowship

# PUBLICATIONS

# Published/In Press

- 1. Uzabaho, E., Kayijamahe, C., Musana, A., Uwingeli, P., Masaaba, C., Nyiratuza, M., and **Moore, J.F**. In Press. *Assessing Species Richness and Distribution within Two Afromontane Protected Areas Using Multi-Season Occupancy Models*. Wildlife Research.
- 2. Fleming, J., **Moore, J.F.,** Waddle, H., Martin, J., and Grant, E.H.C. In Press. *Population projections for the northern red-bellied cooter (Pseudemys rubriventris).* Journal of Herpetology.
- 3. Casteel, J., **Moore, J.F.,** Pine, W.E., and Johnston, G.R. 2022. *Analysis of the methods to estimate abundance of River cooters Pseudemys concinna: An example from the Santa Fe River, Florida*. Ichthyology & Herpetology.110(2): 354-363.
- 4. Healy, B.D., **Moore, J.F.**, and Pine, W.E. 2022. *Environmental variation and interspecific interactions among native and invasive species affect electrofishing capture efficiency, with implications for monitoring and invasive fish suppression*. North American Journal of Fisheries Management. doi: 10.1002/nafm.19755
- Moore, J.F., Martin, J., Waddle, H., Grant, E.H.C., Fleming, J., Bohnett, E., Akre, T.S.B., Brown, D.J., Jones, M.T., Meck, J.R., Oxenrider, K., Tur, A., Willey, L.L., and Johnson, F. 2022. *Evaluating the effect of expert elicitation techniques on population status assessment in the face of large uncertainty*. Journal of Environmental Management. 306 (114453). doi: 10.1016/j.jenvman.2022.114453
- Moore, J.F., Soanes, K, Balbuena, D., Beirne, C., Bowler, M., Carrasco-Rueda, F., Cheyne, S., Coutant, O., Forget, P.M., Haysom, J., Houlihan, P., Olson, E., Lindshield, S., Martin, J., Tobler, M., Whitworth, A., and Gregory, T. 2021. *The Potential and Practice of Arboreal Camera Trapping*. Methods in Ecology and Evolution. doi: 10.1111/2041-210X.13666
- 7. **Moore, J.F.,** Uzabaho, E., Musana, A., Uwingeli, P., Hines, J.E., and Nichols, J.D. 2021. *What is the effect of poaching on wildlife species*? Ecological Applications. doi: 10.1002/eap.2397.

- Turikunkiko, E., Mulindahabi, F., Gatorano, G., Muvunyi, R., Ntihemuka, P., Niyigaba, P., Ndikubwimana, I., Karegire, N., and Moore, J.F. 2021. Resighting African Wildcat (Felis lybica): Camera trap photograph in Nyungwe National Park, Rwanda. African Journal of Ecology. doi: 10.1111/aje.12937
- 9. **Moore, J.F.,** and Pine, W.E. 2021. Bootstrap methods can help evaluate monitoring program performance to inform restoration as part of an adaptive management program. PeerJ. doi: 10.7717/peerj.11378.
- 10. **Moore, J.F.,** Udell, B.J., Martin, J., Turinkunkiko, E., and Masozera, M.K. 2021. *Optimal allocation of law enforcement patrol effort to mitigate poaching activities.* Ecological Applications. doi: 10.1002/eap.2337.
- Dobson, A.D.M., Aebischer, N., Beale, C., Brozovic, R., Coals, P., Critchlow, R., Dancer, A., Greve, M., Hinsley, A., Ibbett, H., Johnston, A., Kuiper, T., Le Comber, S., Mahood, S., Milner-Gulland, E.J. Moore, J.F., Nilsen, E.B., Pocock, M., Quinn, A., Travers, H., Wildfred, P, Wright, J., and Keane, A. 2020. *Making messy data work for conservation*. One Earth. 2(5), 455-465.
- 12. **Moore, J.F.,** Pine W.E., Frederick, P.C., Beck, S., Moreno, M., Dodrill M.J., Boone, M., Sturmer, L., and Yurek, S. 2020. *Trends in oyster populations in the northeastern Gulf of Mexico: An assessment of river discharge and fishing effects over time and space.* Marine and Coastal Fisheries. doi: 10.1002/mcf2.10117.
- Moore, J.F., Pine, W.E., Mulindahabi, F., Niyigaba, P., Gatorano, G., Masozera, M.K., and Beaudrot, L. 2020. Comparison of mammalian species richness and detection probability between line transects, ground cameras, and arboreal cameras. Animal Conservation. doi: 10.1111/acv.12569.
- O'Brien, T.G., Ahumada, J., Akampurla, E., Beaudrot, L., Boekee, K., Brncic, T., Hickey, J., Jansen, P.A., Kayijamahe, C., Moore, J.F., Mugerwa, B., Mulindahabi, F., Ndoundou-Hockemba, M., Niyigaga, P., Nyiratuza, M., Rovero, F., and Uzabaho, E. 2019. *Camera trapping reveals trends in forest duiker populations in African National Parks*. Remote Sensing in Ecology and Conservation. doi: 10.1002/rse2.132.
- 15. Everatt, K., **Moore, J.F.**, and Kerley, G. 2019. *Africa's apex predator, the lion, is limited by interference and exploitative competition with humans*. Global Ecology and Conservation. doi: 10.1016/j.gecco.2019.e00758.
- 16. **Moore, J.F.**, Hines, J.E., Mulindahabi, F., and Masozera, M.K. 2019. *Factors affecting species richness and distribution spatially and temporally within a protected area using multi-season occupancy models*. Animal Conservation, doi: 10.1111/acv.12491.
- 17. Moore, J.F., Uzabaho, E., Kayijamahe, C., Nyiratuza, M., Ildephonse, K., and Mulindahabi, F. Autumn 2019. *Photographic evidence of the African Golden Cat in Rwanda*. Cat News. Number 70.
- 18. **Moore, J.F.**, Mulindahabi, F., Masozera, M.K., Nichols, J.D., Hines, J.E., Turikunkiko, E., and Oli, M.K. 2018. Are ranger patrols effective in reducing poaching-related threats in protected areas? Journal of Applied Ecology, doi: 10.1111/135-2664.12965.
- 19. **Moore, J.F.**, Mulindahabi, F., Gatorne, G, Niyigaba, P., Ndikubwmana, I., Cipolletta, C., and Masozera, M.K. 2018. *Shifting through the forest: home range, movement patterns and diet of the eastern chimpanzee (Pan troglodytes schweinfurthii) in Nyungwe National Park, Rwanda*. American Journal of Primatology, doi: 10.1001/ajp.22897.
- 20. **Moore, J.F.** and Niyigaba, P. 2018. *First sighting of the African linsang or Central African oyan (Poiana richardsonii) in Rwanda*. African Journal of Ecology, doi: 10.1111/aje.12576.
- 21. Moore, J.F., Nyiratuza, M., Akampurira, E., and O'Brien, T.G. 2018. *Distribution and description of the Lestrade's duiker* (*Cephalophus weynsi lestradei*) in Rwanda and Uganda. Gnusletter. Vol. 35, Issue 1.
- 22. Moore, J.F., Wells, C.P., Van Vuren, D.H., and Oli, M.K. 2016. Who pays? Intra- versus Inter- Generational Costs of Reproduction. Ecosphere 7(2):e01236.
- McGrady, M.J., Hines, J.E., Rollie, C.J., Smith, G.D., Morton, E.R., Moore, J.F., Mearns, R.M., Newton, I., Murillo-Garcia, O.E., and Oli, M.K. 2016. *Territory occupancy and breeding success of Peregrine Falcons Falco peregrinus at various stages of population recovery.* IBIS, doi: 10.1111/ibi.12443.

# In Revision/Review

- 1. Mande, C., **Moore, J.F.**, Van de Perre, F., Baelo, P., Butynski, T.M., Gembu, G., Laudisoit, A., and Verheyen, C. In Review. *Documenting the mammal fauna and the absence of large species in the Yangambi Biosphere Reserve*. Animal Conservation.
- 2. Mulindahabi, F., **Moore, J.F.**, Niyigaba, P., Gatorano, G., Masozera, M., and Plumptre, A. In Review. *Trends in the density and population size of Eastern chimpanzee (Pan troglodytes schweinfurthiil) over the last 13 years in Nyungwe National Park, Rwanda*. American Journal of Primatology.

### PUBLISHED DATASETS

- 1. Pine, W., Moore, J. F., Frederick, P., Sturmer, L., and Allen, M. 2021. *Recovery and Resilience of Oyster Reefs in the Big Bend of Florida Oyster transect count data [Data set]*. Zenodo. <u>https://doi.org/10.5281/zenodo.5517692</u>
- Moore, J.F., Martin, J., Waddle, J.H., Grant, E.H.C., Fleming, J., Bohnett, E., Akre, T.S.B., Brown, D.J., Jones, M.T., Oxenrider, K., Tur, A., Willey, L.L., and Johnson, F.A., 2021, *Data from: "Evaluating the effect of expert elicitation techniques on population status assessment in the face of large uncertainty"*: U.S. Geological Survey data release, <a href="https://doi.org/10.5066/P99F5J28">https://doi.org/10.5066/P99F5J28</a>.
- Moore, J.F., Uzabaho, E., Musana, A., Uwingeli, P., Hines, J.E., and Nichols, J.D. 2021. Data from "What is the effect of poaching activity on wildlife species?" Institutional Repository at the University of Florida. <u>https://ufdc.ufl.edu/IR00011364/00001</u>
- 4. Udell, B., **Moore, J.F.**, Martin, J., Turikunkiko, E., and Masozera, M. 2020. *Optimal allocation of law enforcement patrol effort to mitigate poaching activities [Data set]*. <u>https://doi.org/10.5061/dryad.4xgxd2583</u>
- Moore, J.F., Mulindahabi, F., Masozera, M.K., Nichols, J.D., Hines, J.E., Turikunkiko, E., and Oli, M.K. 2017. Data from "Are ranger patrols effective in reducing poaching-related threats in protected areas?" Institutional Repository at the University of Florida. <u>https://ufdc.ufl.edu/IR00009981/00001</u>

# **INVITED WORKSHOPS**

Putting Biodiversity Data into the Hands of African Decision-Makers. Small Carnivore Expert. November 2021. Virtual Workshop. Technical Advisory Group (TAG) Meeting for the International Gorilla Conservation Programme (IGCP). February 2020. Rubavu, Rwanda.

Learning from observational data to tackle illegal behaviour for conservation. March 2019. University of Oxford, United Kingdom.

#### **INVITED SEMINARS**

- **Moore, J.F.,** Niyigaba, P., Gatorano, G., and Mulindahabi, F. 2022. *Snapshots from the canopy: using arboreal camera traps to document mammalian diversity.* Ecological Society of America. Annual Meeting. Invited Oral Presentation.
- **Moore, J.F.** and Akampurira, E. 2022. *From the ground to the tree: how arboreal cameras can increase our understanding of primate distribution*. Association for Tropical Biology and Conservation. Annual Meeting. Invited Oral Presentation.
- Moore, J.F. 2022. *Life in the Forest Fragments around Nyungwe National Park.* Center for Excellence in Biodiversity and Natural Resources, University of Rwanda Seminar Series.
- **Moore, J.F.** 2022. *Wildlife, Poaching, and Rangers: Using ranger-based monitoring data to inform conservation efforts in Rwanda.* University of York, Ecology and Evolution Seminar Series.
- **Moore, J.F.** 2021. *How can we use ranger-based monitoring (RBM) data coupled with occupancy models to protect wildlife and mitigate illegal poaching activity?* Society for Conservation Biology 30<sup>th</sup> International Congress for Conservation Biology. Oral Presentation
- **Moore, J.F.** 2021. *Informing conservation practice in Rwanda: Integrating wildlife, poaching, and ranger patrol data.* University of Georgia, Warnell School of Forestry and Natural Resources. Departmental Seminar Series.
- **Moore, J.F.,** Mulindahabi, F., Gatorano, G, Niyigaba, P., Ndikubwmana, I., Cipolletta, C., and Masozera, M.K. 2018. *Shifting through the forest: home range, movement patterns, and diet of the eastern chimpanzee (Pan troglodytes schweinfurthii) in Nyungwe National Park, Rwanda*. International Primatological Society Conference: Nairobi, Kenya. Oral Presentation

# **PROFESSIONAL ORAL PRESENTATIONS**

- Moore, J.F., Uzabaho, E., Musana, A., Uwingeli, P., Hines, J.E., and Nichols, J.D. 2019. What is the impact of poaching on wildlife? Combining ranger-based monitoring and camera trap data from Volcanoes National Park, Rwanda. The Wildlife Society: Reno, Nevada. Oral Presentation.
- Moore, J.F., Pine, W.E., Mulindahabi, F., Niyigaba, P., Gatorano, G., Masozera, M.K., and Beaudrot, L. 2019. On the ground and in the trees: A comparison of compare trap and line-transect surveys. American Society of Mammalogists: Washington, District of Columbia. Oral Presentation.
- Moore, J.F., Niyigaba, P., Ndikubwimana, I., Masozera, M.K., and Oli, M.K. 2017. *Eastern chimpanzee (Pan troglodytes schweinfurthii)* space use patterns in Nyungwe National Park, Rwanda. International Mammalogical Congress: Perth, Western Australia. Oral Presentation.
- **Moore, J.F.**, Masozera, M.K., Nichols, J.D., and Oli, M.K. 2016. *Spatio-temporal Patterns of Anthropogenic Threats to Wildlife in Nyungwe National Park, Rwanda*. The Wildlife Society: Raleigh, North Carolina. Oral Presentation
- **Moore, J.F.**, Wells, C.P., Van Vuren, D. H., and Oli, M.K. 2015. *Who pays? The Cost of Reproduction in Mammalian Life History.* Ecological Society of America: Baltimore, Maryland. Oral Presentation
- **Moore, J.F.** 2013. *Conservation of Marojejy National Park: Lemur Population Surveys & Habitat Disturbance with Remote Sensing.* International Prosimian Congress: Ranomafana National Park, Madagascar. Oral Presentation.

# **TEACHING EXPERIENCE (INSTRUCTOR)**

Fall 2020, Fall 2021 Co-Instructor, Quantitative Wildlife Ecology, University of Florida [WIS4601] August 2019, Instructor, Camera Trap Data Analysis, Wildlife Conservation Society – Rwanda, Rusizi, Rwanda Spring 2019, Instructor, Freshman Ecology Seminar, Rice University [EBIO116] September 2018, Co-Instructor, Nocturnal Tourism Training Session, Nyungwe National Park, Rwanda August 2016, Instructor, Introduction to R Workshop, Wildlife Conservation Society – Rwanda, Gisakura, Rwanda

July 2015, Instructor, Introduction to R Workshop, Wildlife Conservation Society – Rwanda, Gisakura, Rwanda

# **TEACHING EXPERIENCE (TEACHING ASSISTANT)**

Spring 2015-2018, Teaching Assistant, Wildlife Population Ecology, University of Florida [WIS 4501/6455] Spring 2013, Teaching Assistant, Applied Data Analysis for Environmental Sciences, Duke University Fall 2012, Teaching Assistant, Fundamentals of Geospatial Analysis, Duke University

# **SERVICE & LEADERSHIP**

2019-	Science and Analytics Committee, Wildlife Insights
2018	Student Representative, Faculty Search Committee: Quantitative Ecologist, University of Florida
2015-2017	President, Wildlife Graduate Student Association, University of Florida
2016-2017	Secretary, Tropical Conservation and Development Student Group, University of Florida
2012-2013	Research Chair, Duke Conservation Society, Duke University
2011-2012	Board Member at Large, Society of Conservation Biology, Triangle Chapter – North Carolina
2011-2012	Secretary, Gamma Theta Upsilon, Alpha Omicron Chapter, Northwestern University
2010-2011	Alumni Chair, Gamma Theta Upsilon, Alpha Omicron Chapter, Northwestern University

# **INVITED REVIEWER**

American Journal of Primatology; Animal Conservation; Biological Conservation; Community Ecology; Conservation Biology; Ecography; Ecological Applications; eLife; Folia Oecologica; International Journal of Primatology; Journal of Applied Ecology; Journal of Environment and Development; Oryx; PeerJ; Pest Management Science; Primates; University of Florida Journal of Undergraduate Research (UFJUR)

# **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

American Society of Mammalogists; Association for Tropical Biology and Conservation; Ecological Society of America; International Primatological Society; Society of Conservation Biology; The Wildlife Society

# **PROGRAMMING/COMPUTER SKILLS**

- Expert computer programming and statistical skills in both frequentist and Bayesian frameworks using R Statistical software
- Advanced knowledge of ecological software such as Mark, Presence, and Distance, with their associated R packages: RMark, RPresence, RDistance, marked, unmarked, and jags
- Advanced knowledge of GIS and remote sensing software, including ArcGIS, ENVI, and Google Earth
- Advanced computer skills using Microsoft Office Suite
- Advance use of GitHub for data sharing and collaboration
- Knowledgeable in report writing using RMarkdown and Rbookdown

# LANGUAGE SKILLS

English (native), French (conversational), Spanish (limited)