




FRANCISCO *DE MORAES*

REZENDE

View this CV online with links at
nickstrayer.me/cv

EDUCATION

- 2019
|
2016
- **MSc, Ecology and Evolutionary Biology**
Jyväskylä, Finland  University of Jyväskylä
 - Thesis: "Variable light conditions affect warning signal efficacy in an aposematic polymorphic moth"; Grade: 4/5.
 - My degree was graded as "Excellent", the highest grade awarded to degrees at JYU
 - Supervised by Phd Ossi Nokelainen and Prof. Johanna Mappes
- 2016
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2009
- **BSc, Biological Sciences**
Viçosa, Brazil  Federal University of Viçosa
 - Monograph: "What drives changes in composition of ant assemblages along a vertical gradient?"
 - Supervised by Profs. Fernando Augusto Schmidt and José Henrique Schoreder
- 2014
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2013
- **Visiting student**
Helsinki, Finland  University of Helsinki
 - Attended Master's level courses and did an internship at the research group "Social Evolution in Ants"

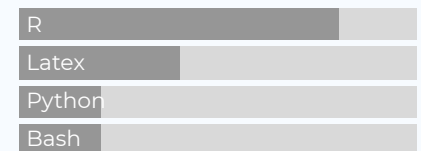
RESEARCH EXPERIENCE

- 2019
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2017
- **Master's thesis development**
Evolution of predator-prey interactions group  University of Jyväskylä
 - I did my thesis work in Professor Johanna Mappes's group. I investigated the effects of different light conditions affected the predation pressure suffered by *Actia plantaginis*, an aposematic species that is also color polymorphic. I also attended the group's weekly meetings during which we discussed papers, and presented research projects.
- 2016
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2011
- **Research apprentice**
Laboratório de Ecologia de Comunidades  Federal University of Viçosa
 - I was part of different ant community ecology and biodiversity research projects, and conducted the project that resulted in my bachelor's monograph. I had experience with sampling and identifying ants, data analysis and scientific writing, among other activities related to the research group.

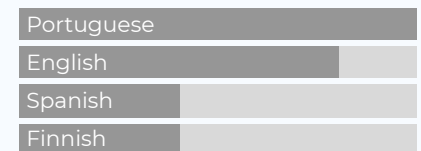
CONTACT

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 [francisko_r](https://twitter.com/francisko_r)
 github.com/francisko-rezende
 francisko-rezende.netlify.com

CODING SKILLS



LANGUAGE SKILLS



Being part of diverse research groups was a privilege. Cooperation is invaluable when it comes to scientific production.


*Made with the R package
[pagedown](https://github.com/jgm/pagedown).*

*This CV's source code is available
at github.com/francisko-rezende/cv, it was derived from
github.com/nstrayer/cv.*

I wrote it following [Nick Strayer's tutorial](#).

Last updated on 2019-11-23.

2014
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2013

- **Research apprenticeship**
Social Evolution in Ants  University of Helsinki
 - I worked as research apprentice in the group “Social Evolution in Ants” during my exchange year at University of Helsinki. I was part of projects related to ecology, evolution, behaviour, and population biology of *Formica* and *Myrmica* ants. I had experience with sampling and sorting ant colonies, setting-up and maintaining experimental colonies in the lab and recording results from lab experiments. I also helped with mark/recapture sampling and survival assays using ants.



PUBLICATIONS, POSTERS, AND TALKS

- 2018 ● **Do different light conditions influence warning signal efficacy in the color polymorphic wood tiger moth males?**
Talk  5TH Young Natural History Scientists' Meeting, Paris, France.
 - *DE MORAES REZENDE, F.*; MAPPES, J. ; NOKELAINEN, O.
- 2015 ● **What drives changes in composition of ant assemblages along a vertical gradient?**
Talk
 XXII Simpósio de Mirmecologia: An International Ant Meeting, Ilhéus, Brasil
 - *REZENDE, F. M.*; JESUS, R. S. ; RIBAS, C. R., SCHOEREDER, J. H.
 - 🏆 This talk won the prize for best oral presentation in its category
- 2015 ● **Os últimos serão os primeiros? Distribuição de abortos no fruto de *Leucaena leucocephala* (Lam.) de Witt**
Talk  EcoEncontros, USP
 - I presented the talk “Os últimos serão os primeiros? Distribuição de abortos no fruto de *Leucaena leucocephala* (Lam.) de Witt” as part of the activities of EcoEncontros—a weekly meeting organized by graduate students from the Universidade de São Paulo’s (USP) Graduate Program in Ecology. This talk was about the project developed by my group during the “2ª EcoEscola: Escola de Ecologia da USP”. My group investigated a possible selective abortion pattern in *L. leucocephala*’s pods and its relationship to post copulatory cryptic female choice. Our hypothesis was that we would find significantly more abortions on the basal end of the pods. We did not find any clear abortion pattern in the pods.
- 2015 ● **Defense behavior of the Blood-red ant *Formica sanguinea* Latreille, 1789**
Poster
 XXII Simpósio de Mirmecologia: An International Ant Meeting, Ilhéus, Brasil
 - *DE MORAES REZENDE, F.*
- 2014 ● **News on the enigmatic ant genus *Anillidris* (Formicidae: Dolichoderinae: Leptomyrmecini)’**
Article  Myrmecological News, volume 19, pages 25-30
 - SCHMIDT, F. A. ; FEITOSA, R. M. ; *DE MORAES REZENDE, F.* ; SILVA DE JESUS, R.

The presenter's name is *italicized* for posters and talks

- 2014 ● **Insights on the behaviour of the neotropical termitophilous ant *Centromyrmex pr. brachycola***
Poster 📍 23rd Spring Symposium, Helsinki, Finland
• CHAUL, J. C. M.; REZENDE, F. M.
- 2013 ● **Resource availability and aggressive behavior among ants: a proxy for inter-specific competition role on ant community structure.**
Poster 📍 XXI Simpósio de Mirmecologia, Fortaleza, Brazil
• SCHMIDT, F. A. ; JESUS, R. S. ; REZENDE, F. M. ; SOLAR, R. R. C. ; RIBAS, C. R. ; SCHOEREDER, J. H.
- 2013 ● **Azteca-Cecropia interaction: Ants' presence could influence the production of Müllerian bodies in *Cecropia glaziovii* sneth?**
Poster 📍 50th Anniversary Meeting: Association for tropical biology and conservation, San José, Costa Rica
• OLIVEIRA, K. N. ; JESUS, R. S. ; SOUZA, A. A. B. ; REZENDE, F. M. ; ESPÍRITO-SANTO, M. M. ; CAMPOS, R. I.
- 2012 ● **Processo de apodrecimento de troncos caídos no solo e a diversidade de formigas**
Poster 📍 XXIV Congresso Brasileiro de Entomologia, Curitiba, Brasil
• CHAUL, J. C. M. ; REZENDE, F. M.
• We investigated how the richness of the ant communities present in fallen logs was influenced by how rot these logs were. Our hypothesis was that we would find more ant species when the logs were at a moderate state of decay. We did not find a significant relationship between the studied variables

> CODING

● R

- I can analyze data using LMs, GLMs, GLMMs and conduct survival analyses. I can produce bar plots, line graphs, scatter plots, and histograms using R's base graphics device and ggplot2. Finally, I know enough programming in R to clean and organize/sort data. I also know enough R to look for help online and implement it on my own provided that I have some time to work on it.

● Latex

- I can produce my own simple documents, including presentations and I know enough to implement different templates when necessary

● Python

- I can do basic data manipulation and plotting

● Bash

- I can write scripts to manipulate data and automate tasks



TEACHING EXPERIENCE

2013
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2012

● Ecology tutor

📍 Federal University of Viçosa

- Worked as a tutor in the course “BIO 131 — Ecologia Básica” (Basic Ecology) for three semesters. My duties consisted of assisting the students during the practical lessons, evaluating the reports made by the students and conducting a weekly meeting to help the students with any content related doubts. I also helped the professors during the I, II & III Mostra de trabalhos de ecologia básica. These were mini symposia in which the students presented projects conducted during the course using the scientific method. My duties were to supervise and evaluate some of these projects.
- I received a scholarship as a compensation for my work in this position
- Undergraduate level class

2012

● Evolution tutor

📍 Federal University of Viçosa

- Worked as tutor in the course “BIO 340 — Evolução Orgânica” (Organic Evolution) for one semester. My duties were to assist the students within and without class hours, to evaluate the students’ reports and extra tasks, to help the students prepare their seminars and to elaborate questions during the presentation of said seminars.
- This was a voluntary position (i.e., I was not paid)
- Undergraduate level class

I love being involved in education. I believe that teaching brings a whole new level of understanding to who teaches and empowers the students.



ORGANIZING COMMITTEE

2013

● III Mostra de Trabalhos de Ecologia Básica

Viçosa, MG, Brazil

📍 Federal University of Viçosa

2013

● II Mostra de Trabalhos de Ecologia Básica

Viçosa, MG, Brazil

📍 Federal University of Viçosa

2012

● I Mostra de Trabalhos de Ecologia Básica

Viçosa, MG, Brazil

📍 Federal University of Viçosa

2012

● I Simpósio de Ecologia e Evolução

Viçosa, MG, Brazil

📍 Federal University of Viçosa

“Mostra de Trabalhos de Ecologia Básica” events were mini symposia in which Basic Ecology students were supposed to present the results of the small research projects that they conducted during the semester

“I Simpósio de Ecologia e Evolução” was an ecology and evolution symposium



PARTICIPATION IN SCIENTIFIC EVENTS

2018

● 5TH Young Natural History Scientists’ Meeting

Paris, France

- 2015 ● **XXII Simpósio de Mirmecologia: An International Ant Meeting**
Ilhéus, Brazil
- 2012 ● **I Simpósio de Ecologia e Evolução, Viçosa, Brazil**
Viçosa, Brazil
- 2012 ● **XXIV Congresso Brasileiro de Entomologia,**
Curitiba, Brazil
- 2011 ● **III Simpósio de Entomologia**
Viçosa, Brazil
- 2011 ● **XX Simpósio de Mirmecologia — I Encuentro de Mirmecologia de Las Americas**
Petrópolis, Brazil



SPECIALIZATION COURSES

- 2018 ● **Computational and data literacy²**
London, UK 📍 Natural History Museum
 - Duration: June 4 – June 8
 - Course on reproducible data analysis and management, including data wrangling, Git and Github, R Markdown, and the basics of data analysis and visualisation using R.
- 2017 ● **International summer school on lake ecology and management,**
Cēsis, Latvia 📍 Institute for Environmental Solutions
 - Duration: August 24 – September 2
 - This summer school focused on lake ecology and management in the 21st century, new technologies for lake research and sustainable management developed in cooperation with stakeholders
- 2015 ● **2^a EcoEscola: Escola de Ecologia da USP**
São Paulo, Brazil 📍 University of São Paulo
 - Duration: July 27 – August 14 (92 hours altogether)
 - A three-week long course on ecology organized by the students of USP's Graduate Program in Ecology. It consisted of two modules. The first module happened from July 27 to July 31 and it consisted of three mini-symposia (one about ecology applied to conservation, one about ecology & evolution and one about ecological interactions). The second module happened from August 3 to August 14. It consisted of lectures about the scientific method, data analysis and presentation, among other topics. We also developed, executed and presented a project on ecology. For further information on this course please write ecoescola@ib.usp.br

- 2014 ● **III Formigas do Brasil**
 Uberlândia, Brasil 📍 Federal University of Uberlândia
- Duration: September 7 – September 14 (56 hours altogether)
 - A course on Brazilian mirmecology. It included lectures about ecology, taxonomy, phylogeny, ant identification and sampling. Additionally, we had a field trip to the Cerrado (a Brazilian biome similar to the African Savannas) to apply some of the sampling techniques that we learned during the course.
- 2014 ● **Taxonomy, Identification and Ecology of European Ants**
 Copenhagen, Denmark 📍 University of Copenhagen
- Duration: August 24 – August 29 (4 ECTS)
 - Similar to “III Formigas do Brasil” but focusing on European ants. Besides the previously described topics, this course dealt chemical ecology and molecular methods. We also went on a field trip to learn/apply sampling techniques.
- 2013 ● **XI Curso de Verão em Entomologia**
 Ribeirão Preto, Brazil 📍 University of São Paulo — Ribeirão Preto *campus*
- January 28 – February 8 (90 hours altogether)
 - An entomology summer school. We learned the basics about ecology, evolution, phylogeny, biogeography and behavior of several different Insecta groups. We also learned several sampling techniques used to samples insects and applied them on a short field trip.



SELECTED WRITINGS



LINKS

- 1: Formicidae: Dolichoderinae: Leptomyrmecini] https://myrmecologicalnews.org/cms/index.php?option=com_content&view=category&id=576&Itemid=363
- 2: <https://www.nhm.ac.uk/our-science/courses-and-students/advancing-computational-and-data-literacy-for-life-scientists.html>

I have [personal website](#) with a few posts where you can see some of my personal projects.