

Background

Computational ecology and modelling

Model building - simulation, disease, spatial, time series

Quantitative data analysis and stats

Experiment/model/project design

Diverse data - spatial, population, env

Education

PhD, computational biology

BSc (Hons), ecology



Movement and environmental change



Simulation modelling - big data, models, theory

Spatial and time series modelling

Hi-res geospatial, location, env, climate data

Infectious disease



Population and disease transmission models

Test disease control programs, including current WHO recommendations

Scaling classic disease compartment models using simulation models

Spatial risk mapping

Spatial risk and biosurveillance effort for agricultural pest control





PDF [893 KB] Figures

Infectious Diseases, Livestock, and Climate: A Vicious Cycle?

Vanessa O. Ezenwa • David J. Civitello • Brandon T. Barton ¹¹ • Daniel J. Becker ¹¹ •
Maris Brenn-White ¹¹ • Aimée T. Classen ¹¹ • Sharon L. Deem ¹¹ • Zoë E. Johnson ¹¹ • Susan Kutz ¹¹ •
Matthew Malishev ¹¹ • Rachel M. Penczykowski ¹¹ • Daniel L. Preston ¹¹ • J. Trevor Vannatta ¹¹ •

Functional Ecology



RESEARCH ARTICLE

Modelling how resource competition among snail hosts affects the mollusciciding frequency and intensity needed to control human schistosomes

Matthew Malishev ✉, David J. Civitello

Conservation Biology



Essay

The value of virtual conferencing for ecology and conservation

Hannah Fraser,^{1*} Kylie Soanes,² Stuart A. Jones,³ Chris S. Jones,^{1,4} and Matthew Malishev³

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Look inside ↴

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English Editing & Translation

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How to master punctuation in academic English writing? Kindle Edition

by Ozy Abram (Author) Format: Kindle Edition

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Staging and pushing files (cont ...)

For fatal: refusing to merge unrelated histories error

```
git checkout master
git merge origin/master --allow-unrelated-histories
# or run this before your 'git pull origin master' command
git pull --allow-unrelated-histories origin master
```

Welcome to the R Coding Club

CODE ↴

Welcome to the R Coding Club

Before you arrive

Learning Objectives

Materials

The dataset

Overview

This page contains all the documents, links, and information for the monthly R coding club held at Emory University, Atlanta. We meet monthly and teach new coding concepts and techniques in a casual environment. The club is half lesson half workshop style and caters for all coding and R levels.

Organisers

Matt Malishev, Department of Biology
Desiree de Leon, Yerkes National Primate Research Center
Hasse Walum, Yerkes National Primate Research Center



EHA mission

Infectious disease research and improving public health

Actively build reproducible data/research tools

- Code documentation, web apps, data scraper bots
- Reproducibility, data and repo accessibility

First-hand experience in NFP sector

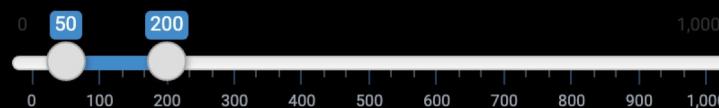
- President of incorporated DGR organisation
- Climate policy scientist



Analysing Airbnb listings from Inside Airbnb open online data

Select city

Choose price range



Select criteria to plot

Number of bedrooms

1

Choose colour palette

Map the data

Airbnb listings 2020

Price

\$50–\$200

Criteria

Bedrooms

Listings

1