OLIVER C. STRINGHAM

PhD, Scientific Researcher & Data Scientist

I apply scientific rigor and curiosity to solving data science problems.

💼 PROFESSIONAL EXPERIENCE

2019 | present

Postdoctoral Research Associate
The University of Adelaide   📍 Adelaide, Australia

- Applied data science principles to researching wildlife trade
- Coded over 80 webscrapers to collect data of online wildlife trade
- Created/maintained MySQL database of >2 million records for wildlife trade
- Created Flask web application for Australian gov't to query database

2015 | 2018

PhD Researcher & Teaching Assistant
Rutgers University   📍 New Jersey, USA

- Researched the online pet trade of reptiles and their invasion risk
- Taught courses: General Biology, Ornithology, Plant Ecology

2015

GIS Research Assistant
New Jersey Depart. of Fish & Wildlife   📍 New Jersey, USA

- Performed spatial analyses for endangered species programs.
- Used python to automate GIS processes previously done manually.

2015

GIS Research Assistant
Harbor & Estuary Program, Hudson River Foundation   📍 New York, USA

- Performed spatial analysis of public access to waterways around NYC/NJ.

🎓 EDUCATION

2018

Rutgers University
PhD in Ecology & Evolution   📍 New Jersey, USA

2014

Rutgers University
BS in Environmental Science
Certificate in GIS 🌐   📍 New Jersey, USA

📰 SELECTED PUBLICATIONS

2021

Text classification to streamline online wildlife trade analyses
PLOS ONE https://doi.org/10.1371/journal.pone.0254007

Stringham O, Moncayo S, Hill K, Toomes A, Ross J, Mitchell L, Cassey P

2021

Reptile smuggling is predicted by trends in the legal exotic pet trade
Conservation Letters https://doi.org/10.1111/conl.12833

Stringham O, García-Díaz P, Toomes A, Ross J, Mitchell L, Cassey P

2020

A guide to using the internet to study the wildlife trade
Conservation Biology https://doi.org/10.1111/cobi.13675

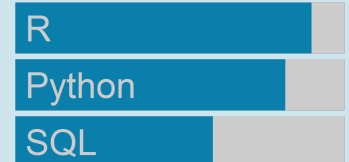**Stringham O**, Toomes A, Kanishka A, Heinrich S, Ross J, Mitchell L, Cassey P
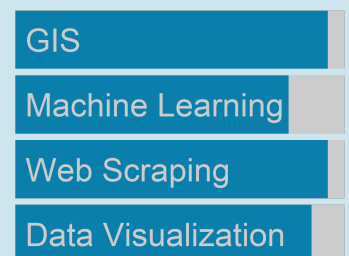

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🔲 Google Scholar

For more information, please contact me via email.

LANGUAGES

R

Python

SQL

SKILLS

GIS

Machine Learning

Web Scraping

Data Visualization