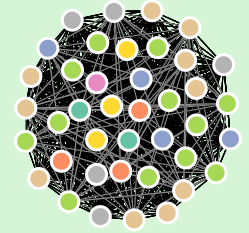


DANIEL B. TURNER

I assemble big ecological datasets from start to finish, from an abstract idea at a meeting to the finished product, with transparent, reproducible, and efficient code. I have studied animals and plants from across the Americas, and I seek to develop novel data science methods to facilitate multilateral knowledge exchange between ecologists and their stakeholders.



EDUCATION

current
|
2018

- **PhD Candidate, Entomology and Ecology, Evolutionary, and Behavior**
Michigan State University 📍 East Lansing, MI
 - Synthesizing existing literature to build databases and models for plant-insect ecology
 - Fulbright Open Research Finalist, MSU Plant Science Fellow

2018
|
2014

- **B.S., Environmental Science & Spanish Language, Literature, and Linguistics (minor: Biology)**
Temple University 📍 Philadelphia, PA

PUBLICATIONS

- **Effects of landscape urbanization and local plant diversity on predatory arthropod community assembly and ecosystem services**
Manuscript in prep
 - Turner, D.B. and J.E. Behm
- **Coding for broader impact: Leveraging field biologists' programming skills for effective public communication.**
Manuscript available upon request
 - Turner, D.B., Behm, J.E., and M.R. Helmus

2018

- **A new species of Caribbean toad (Bufonidae, Peltophryne) from southern Hispaniola**
Zootaxa - [PDF](#)
 - Landestoy, M.A., Turner, D.B., Marion, A.B., and S.B. Hedges

2016

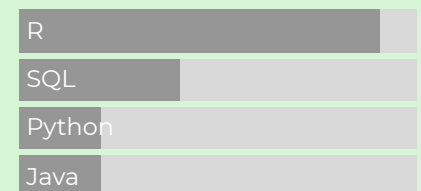
- **Mapping the way to carbon neutrality: addressing carbon emissions from transportation at the Monteverde Friends School.**
*CIEE Sustainability and the Environment, Spring 2016**
 - Turner, D.B.
 - *not peer-reviewed

[Download a PDF of this CV](#)

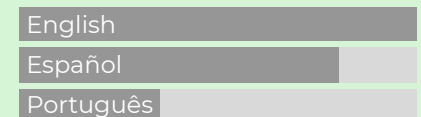
CONTACT

✉ danturner137@gmail.com
🐦 [danbtweeter](#)
🔗 [github.com/dbturner](#)
🔗 [dbturner.github.io](#)

CODING SKILLS



LANGUAGES



Made with the R package [page-down](#) and [datadrivencv](#).

The source code is available on [github.com/dbturner/cv](#).

Last updated on 2020-12-28.



SOFTWARE DEVELOPMENT



***c4bi*: Coding for broader impact**

[R package](#) leveraging ecologists' programming skills for effective stakeholder communication.



RESEARCH EXPERIENCE

current
|
2018



Graduate Research Assistant

Wetzel Lab

📍 Michigan State University

- Synthesized hundreds of plant species' data on terpene and terpenoid diversity for forthcoming R package and relational database
- Conducted meta-analysis on over 50 introduced plant species and their novel interactions with local herbivore communities
- Investigated priority effects on temporal ecology using the tall golden-rod *Solidago altissima* - herbivore model system

2018
|
2017



Undergraduate Researcher

Integrative Ecology Lab

📍 Temple University

- Studied variation in arthropod predator community assembly along an urbanization gradient in southeastern Pennsylvania

2018
|
2015



Undergraduate Researcher

Hedges Lab

📍 Temple University

- Performed PCR and created phylogenetic trees for newly-discovered toad species from the Dominican Republic
- Collected and analyzed morphological trait data from Hispaniolan frogs



TEACHING EXPERIENCE

2020
|
2020



Statistical Methods for Temporal Ecology

MSU Department of Entomology

📍 East Lansing, MI

- Co-taught graduate seminar in time series analysis, including ARIMA and Bayesian models
- 9 students

2020
|
2019



Insects, Globalization, and Sustainability Laboratory

MSU Center for Integrative Studies

📍 East Lansing, MI

- Taught laboratory course for non-STEM majors in statistics and insect biology
- 160 students across two semesters

2018
|
2018



Principles of Ecology

Temple University

📍 Philadelphia, PA

- Teaching assistant; wrote quizzes and held study sessions
- 200 students

For my mentees, I seek to provide an open environment with hands-on experience in ecology, statistics, and tidy data principles.

RESEARCH AND TRAVEL FUNDING






- *total = \$31,670*
- 2020 ● MSU Creating Inclusive Excellence Grant (\$10,000)
- 2020 ● MSU Hutson Research Grant (\$2,500)
- 2020 ● MSU Kellogg Biological Station Research Fellowship (\$2,500)
- 2020 ● Fulbright Open Research Grant Finalist, Brazil (\$15,000)
- 2020 ● Council for Graduate Students Conference Award (\$300)
- 2019 ● MSU Kellogg Biological Station Research Fellowship (\$2,250)
- 2019 ● MSU Kellogg Biological Station Undergraduate Mentorship Grant (\$1,000)
- 2017 ● Temple University Diamond Research Scholars Program (\$4,000)
- 2017 ● Temple University Creative Arts, Research, and Academic Scholarship (\$3,120)
- 2016 ● Temple University Undergraduate Research Program Grant (\$4,000)
- 2016 ● Temple University Educational Enhancement Merit Stipend (\$4,000)

HONORS AND AWARDS

- 2020 ● National Science Foundation – Graduate Research Fellowship Program Honorable Mention
- 2018 ● Michigan State University Plant Sciences Graduate Recruitment Fellowship (\$41,729)
- 2018 ● Phi Beta Kappa, Temple University
- 2018 ● Temple University Natan Luehrmann-Cowen Memorial Award (\$700)
- 2018 ● Ecological Society of America Mid-Atlantic Annual Meeting, Honorable Mention for Undergraduate Oral Presentation (\$100)
- 2017 ● Sigma Delta Pi, Spanish Language National Honor Society
- 2017 ● Sigma Gamma Epsilon, Earth Science National Honor Society
- 2014 ● Temple University Dean's Scholarship (\$28,000)
- 2014 ● Union League of Philadelphia Scholarship (\$32,000)
- 2014 ● Temple University Honors Program



PRESENTATIONS

- 2020 ● **Comparing insect herbivore community structure across plants' native and novel ranges: A meta-analysis.**
American Naturalist National Meeting  Asilomar, CA
· Turner, D.B. and Wetzel, W.C.
- 2018 ● **Arthropod predator community assemblage across a land cover gradient.**
Ecological Society of America Annual Meeting  New Orleans, LA
· Turner, D.B. and J.E. Behm
- 2018 ● **Arthropod predator community assemblage across a land cover gradient.**
Temple Undergraduate Research Forum  Philadelphia, PA
· Turner, D.B. and J.E. Behm
- 2018 ● **Arthropod predator community assemblage across a land cover gradient.**
Ecological Society of America Mid-Atlantic Meeting.  Newark, NJ
· Turner, D.B. and J.E. Behm
- 2016 ● **Mapping the way to carbon neutrality: addressing carbon emissions from transportation at the Monteverde Friends School.**
Global Temple Conference.  Philadelphia, PA
· Turner, D.B.