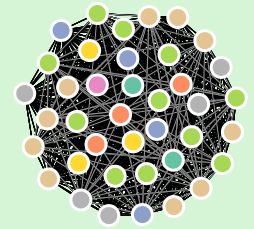


DANIEL B. TURNER

I currently harness big datasets and statistical models to parameterize patterns in ecology. 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 technical and non-technical audiences.



EDUCATION

current
|
2018

- **PhD Student, Entomology and Ecology, Evolutionary, and Behavior**
Michigan State University 📍 East Lansing, MI
 - Temporal dynamics in plant-insect interactions
 - Fulbright Open Research Fellow, MSU Plant Science Fellow

2018
|
2014

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

PUBLICATIONS

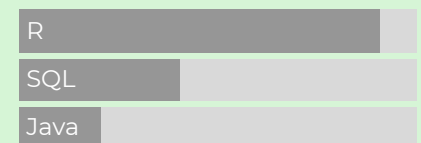
- **Effects of landscape urbanization and local plant diversity on predatory arthropod community assembly and ecosystem services**
Manuscript in prep
 - Turner, D.B. and J.E. Behm
- **Coding for broader impact: Leveraging field biologists' programming skills for effective public communication.**
Manuscript available upon request
 - Turner, D.B., Behm, J.E., and M.R. Helmus
- **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
- **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 - *not peer-reviewed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](https://twitter.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 2020-09-24.



SOFTWARE DEVELOPMENT



c4bi: Coding for broader impact

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



RESEARCH EXPERIENCE

current
|
2018



Graduate Research Assistant

Wetzel Lab

📍 Michigan State University

- Conducting meta-analysis on introduced plants and their novel interactions with local herbivore communities
- Investigating 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 (ARIMA, Bayesian time series analysis)
- 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 insect biology and statistics
- 160 students across two semesters

2018
|
2018



Principles of Ecology

Temple University

📍 Philadelphia, PA

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

To me, data science and the humanities are interdependent; statistical significance cannot be interpreted well without meaningful context.

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


RESEARCH AND TRAVEL FUNDING

- *total = \$21,670*
- 2020 ● MSU Hutson Research Grant (\$2,500)
- 2020 ● MSU Kellogg Biological Station Research Fellowship (\$2,500)
- 2020 ● Fulbright Open Research Grant, 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.