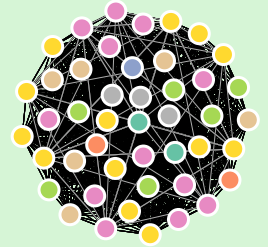# DANIEL B. TURNER

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 faciliate reciprocal knowledge exchange between ecologists and their stakeholders.

🎓 EDUCATION

current | 2018

PhD Candidate, Entomology and Ecology, Evolution, and Behavior

Michigan State University

📍 East Lansing, MI

2018 | 2014

B.S., Environmental Science & Spanish Language, Literature, and Linguistics (minor: Biology)

Temple University

📍 Philadelphia, PA

📖 PUBLICATIONS

Coding for broader impact: Leveraging coding skills for effective stakeholder communication

Frontiers in Ecology and the Environment (in press)

· **Turner, D.B.**, Behm, J.E., Phillips, P.M., Ramirez, V.A., 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
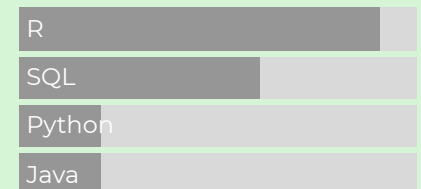
🖥 TEACHING EXPERIENCE

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

🖥 SOFTWARE DEVELOPMENT

c4bi: Coding for broader impact

R package leveraging ecologists' programming skills for effective stakeholder communication.

$ 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

2021	MSU EEB Excellence in Quantitative Methods Teaching Assistantship
2021	MSU EEB Don Hall Memorial Fellowship ($1,000)
2021	MSU EEB Grad Summer Fellowship ($7,500)
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 Eplison, 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

2021 — **Quantifying the temporal ecology of plant-antagonist interactions using hierarchical regression models**
Ecological Society of America Annual Meeting 📍 Virtual (planned)

2021 — **Quantifying the temporal ecology of plant-antagonist interactions using hierarchical regression models**
MSU EEB Research Symposium 📍 Virtual

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 W.C. Wetzel

2019 — **Coding for broader impact: Leveraging ecologists' programming skills for effective stakeholder communication.**
MSU EEB Student Colloquium 📍 East Lansing, MI
· Turner, D.B., Behm, J.E., Phillips, P.M., Ramirez, V.A., and M.R. Helmus

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.**
Ecological Society of America Mid-Atlantic Meeting 📍 Newark, NJ
· Turner, D.B. and J.E. Behm

👥 ACADEMIC SERVICE

current	EEB Diversity, Equity, and Inclusion Committee
current	MSU Entomology Research and Outreach Fellowship Committee
2021	ENT Diversity, Equity, and Inclusion Committee

2020 ● EEB Executive Committee

2020 ● ENT Curriculum Committee

2019 ● EEB Research Symposium Committee