

# AMY VEPRAUSKAS

University of Arizona  
Program in Applied Mathematics  
617 N. Santa Rita Ave.  
Tucson, AZ 85721

[aveprauskas@math.arizona.edu](mailto:aveprauskas@math.arizona.edu)  
<http://math.arizona.edu/~aveprauskas>

## EDUCATION

---

2010 – Present	University of Arizona Ph.D. candidate, Applied Mathematics Minor in Ecology	Tucson, AZ
2010-2013	University of Arizona Masters in Science, Applied Mathematics	Tucson, AZ
2006-2010	Bryn Mawr College Bachelors of Arts/ Master of Arts, Mathematics	Bryn Mawr, PA

## PUBLICATIONS

---

- ❖ A. Veprauskas, and J. M. Cushing, A juvenile-adult population model: climate change, cannibalism, reproductive synchrony, and strong Allee effects, to appear in *Journal of Biological Dynamics*, 2016.
- ❖ A. Veprauskas, and J. M. Cushing, Evolutionary dynamics of a multi-trait semelparous model, *Discrete and Continuous Dynamical Systems Series B*, 21, No. 2 (2016), 655-676.

## TECHNICAL SKILLS

---

- ❖ Experience programming in Matlab, Mathematica, and R

## FELLOWSHIPS

---

2015-2016	Michael Tabor Graduate Scholarship, University of Arizona <i>Graduate College Fellowship to support one student in the GDP Applied Math program for the 2015-206 academic year</i>
2014-2015	G-TEAMS Extension Program Fellow, University of Arizona Teacher Partners: Nina Miller & Jessie Dwivedi, Peter-Howell Elementary School <i>Partnered with elementary school teacher to bring mathematical expertise and applications to the classroom</i>
2012-2013	G-TEAMS Fellow, University of Arizona Teacher Partner: Chuck Taylor, Flowing Wells High School <i>Partnered with high school math teacher to bring mathematical expertise and applications to the classroom</i>

## WORKSHOPS & CONFERENCES

---

- 2016 Joint Mathematics Meetings, January 06-09, 2016  
*Presented in MAA Session in MAA-EDGE (Enhancing Diversity in Graduate Education) Pure and Applied Talks, "Evolutionary dynamics of a multi-trait semelparous model"*
- 2016 Software Carpentry R Programming Workshop, CyVerse and Bio5 Institute  
*A two-day intensive workshop on R programming with a focus on analyzing datasets*
- 2013 ELME Metacommunity Ecology and Evolution Workshop, Kellogg Biological Station, Michigan State University  
*A three-week workshop consisting of lecture and independent projects*

## TEACHING EXPERIENCE

---

- 2011-Present Graduate Teaching Assistant, University of Arizona  
❖ College Algebra (Math 112), Fall 2011, Spring 2012  
❖ Calculus I (Math 122B), Spring 2014, Summer 2014, Summer 2015  
*Primary instructor including all lectures, office hours, preparation and grading of homework and exams*
- 2012-2015 Calculus Workshop Assistant, University of Arizona  
*Assisted in instruction of one week summer workshop for calculus preparation (Calculus I, II, and III) for incoming freshmen*

## OUTREACH

---

- 2011-Present Sonya Kovalevsky Day Participant, University of Arizona  
❖ 2011-2013, 2015 Workshop leader  
*Prepare and lead a one day workshop for female high school students*  
❖ 2014 Workshop organizer
- 2011-2014 Math Circle Participant, University of Arizona  
*Develop and present mathematical activities for middle school students*