

## Anna Neufeld

aneufeld@uw.edu, <https://anna-neufeld.github.io>

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<b>Education</b>	<b>University of Washington</b> , Seattle, Washington. Statistics PhD Student, GPA 3.84	2018-Present
	<b>Williams College</b> , Williamstown, MA BA in Mathematics (Highest Honors) and Computer Science. <i>Summa Cum Laude</i> , GPA 4.04.	2014-2018
<b>Research Experience</b>	<b>Research Assistant (University of Washington)</b> <ul style="list-style-type: none"><li>Selective inference for CART regression trees with advisor Daniela Witten.</li></ul>	2020-Present
	<b>Williams College Undergraduate Honors Thesis</b> <ul style="list-style-type: none"><li>Longitudinal regression trees for clustering body mass index trajectories with advisor Brianna Heggeseth.</li></ul>	2017-2018
	<b>SMALL Research Experience for Undergraduates</b> <ul style="list-style-type: none"><li>Comparing the relative contributions of sexual and vector transmission in the spread of the Zika virus with advisors Julie Blackwood and Lauren Childs.</li></ul>	Summer 2016
<b>Teaching Experience</b>	<b>Instructor of Record</b> University of Washington Department of Statistics <ul style="list-style-type: none"><li>Full responsibility for Stat 311, Elements of Statistical Methods. There were 61 students in the class.</li></ul>	Summer 2019
	<b>Head Teaching Assistant</b> University of Washington Department of Statistics <ul style="list-style-type: none"><li>Developed lab and HW assignments (R activities) for Stat 311, maintained lab website, helped write assignments and exams, served as liaison between Professor and other TAs.</li><li>Led lab sections for two sections of 30 undergraduates each. Developed lab materials for a total of 195 students.</li></ul>	Autumn 2019, Winter 2020
	<b>Teaching Assistant</b> University of Washington Department of Statistics <ul style="list-style-type: none"><li>Teaching assistant for Stat 311- Elements of Statistical Methods (Autumn 2018, Spring 2020), Stat 423- Applied Regression (Winter 2019), and CSE/Stat 416- Introduction to Machine Learning (Spring 2019).</li><li>Responsible for lab sections of around 30 undergraduates each. Also held office hours and graded assignments.</li></ul>	2018-2020
	<b>Teaching Assistant</b> Williams College Departments of Computer Science, Mathematics, and Statistics <ul style="list-style-type: none"><li>Teaching assistant for Data Structures (F15), Linear Algebra (S16, S17), Abstract Algebra (F16), Regression and Forecasting (F17, S18)</li><li>Duties included grading homework and holding evening help sessions.</li></ul>	September 2015 - May 2018
	<b>Workshop Leader</b> Williams College Office of Academic Resources	January 2018

- Worked with a group of undergraduates and the Office of Academic Resources to pilot a new program of coding workshops
- Taught a series of workshops in R to undergraduates from a variety of departments and graduate students from the Center for Development Economics.

#### **Peer Tutor**

2016-2018

Williams College Office of Academic Resources

- Nominated by faculty to serve as a peer tutor. Held one-on-one and drop-in tutoring sessions for economics, math, statistics, and computer science.
- Also worked one on one with biology research students who needed help conducting data analysis in R.

#### **Publications**

Maxian, O., **Neufeld, A.**, Talis, E. J., Childs, L. M., & Blackwood, J. C. (2017). Zika virus dynamics: When does sexual transmission matter?. *Epidemics*, 21, 48-55.

#### **Honors and Awards**

##### **University of Washington**

- Dorothy M. Gilford teaching award from the Statistics Department, 2020

##### **Williams College**

- The Erastus C. Benedict First Prize in Mathematics, 2016
- Phi Beta Kappa, Junior Year Inductee, 2017
- Robert M. Kozelka Prize in Statistics, presented to outstanding senior, 2018
- W. Margaret Canby Award Athletic Scholarship Prize, for highest standing in scholarship among senior varsity athletes, 2018
- New England Small Colleges Athletic Conference (NESCAC) All Sportsmanship selection (One person per team, 2017) and All Academic selection (2016-2018)
- Clare Booth Luce Scholar, 2016-2018

#### **Mentoring**

##### **University of Washington Undergrad Directed Reading Program (DRP)**

- Co-founded (in 2020) a program that pairs undergraduates with PhD student mentors for independent studies. More information can be found at our website.
- Served as a graduate student coordinator for 2020-2021.
- Served as a mentor for three quarters.
  - Winter 2020, Christina Nick, Statistical Natural Language Processing
  - Spring 2020, Rachael Ren, Infectious Disease Modeling with Differential Equations. See project writeup and presentation.
  - Autumn 2020, Harper Zhu, Infectious Disease Modeling on a Network. See presentation and shiny app.

#### **Service**

- Reviewer for *Statistical Science*.
- UW Statistics Graduate Student Representative (2020-2021).
- First round review for PhD Admissions (2020, 2021)
- UW Statistics Diversity, Inclusion, Community, and Equity (DICE) Committee (2019-2020)
- Chair of the UW Statistics Fun Committee, 2019-2020
- Organizer and Founder: Statistics Education Reading Group, Autumn 2019-Winter 2020