

## Ahern Nelson

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CONTACT INFORMATION	2855 Rock Creek Cir. Unit 274 Superior, Colorado, 80027	(720)937-6517 ahernnelson4@gmail.com <a href="https://github.com/ahernnelson">https://github.com/ahernnelson</a>
RESEARCH INTERESTS	Nonparametric statistics, statistical learning theory, probability, and topological data analysis.	
EDUCATION	<b>Metropolitan State University of Denver</b> B.S. in Mathematics, August 2019 <ul style="list-style-type: none"><li>• GPA: 3.63</li><li>• Minor in Computer Science</li></ul>	
CONFERENCE TALKS	<i>Findings from Analysis and Visualization of the New York City Housing Data</i> , SPEED: Data Challenge Part 1, Joint Statistical Meetings, Denver, CO. (August 2019)  <i>Should We Call It the Abel-Dirichlet Theorem?</i> MathFest, Denver, CO. (August 2018)  <i>A Time Series Analysis Approach to Estimating E. coli Levels in Bear Creek Watershed: Implications for Further Study</i> , Undergraduate Research Conference, Metropolitan State University of Denver. (April 2018)  <i>Can Unbiased Estimators be Absurd?</i> , Advanced Topics in Statistics Education, Joint Statistical Meetings, Baltimore, MD. (August 2017)	
OTHER TALKS	<i>Introduction to Convex Neural Network</i> , Math Department Poster Session, Metropolitan State University of Denver. (April 2018)  <i>Public Health Risk in Bear Creek</i> , Prob/Stats Seminar, Metropolitan State University of Denver. (April 2018)  <i>Analysis of the Bear Creek Watershed: An Overview</i> , Prob/Stats Seminar, Metropolitan State University of Denver. (November 2017)  <i>Can Unbiased Estimators be Absurd?</i> , CO-WY ASA Chapter Meeting, University of Colorado Anschutz Medical Campus. (October 2017)	
HONORS AND AWARDS	2019 2018 2017–2018 2017 2015–2017	Outstanding Math Graduate Award Maurice Davies Award Colorado Merit Scholarship James and Janice Velayas Endowed Scholarship WIOA Youth Scholarship
PROFESSIONAL EXPERIENCE	2019 2017–2018 2017–2018	Learning Assistant, College Algebra Mathematics Tutor, Calculus, Statistics, etc. Research Assistant, Applied Analysis of Watersheds. Advisor: Dr. Elizabeth Ribble, Department of Mathematical and Computer Sciences, Metropolitan State University of Denver.

RESEARCH GRANTS	2017–2018 2017–2018	MillerCoors Endowed Water Steward Fellowship Fund Communtiy Based Research Grant, MSU Denver
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STUDY ABROAD	Fall 2018	Budapest Semesters in Mathematics
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RELEVANT SKILLS	Programming:	R, Python
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