

Karissa Palmer

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EDUCATION

Colorado State University	Fort Collins, CO
Ph.D. Candidate Statistics	2021 - Present
M.S. Statistics	
South Dakota State University	Brookings, SD
M.S. Mathematics with Statistics Specialization	2019 - 2021
B.A. Spanish	
University of South Dakota	Vermillion, SD
B.S. Mathematics	2015 - 2019

PROFESSIONAL EXPERIENCE

Colorado State University	Fort Collins, CO
Graduate Teaching Assistant	2021 - Present
Graduate Research Assistant (FA 2023 - SP 2024, SU 2025)	
Short Course Instructor (Coding & Cookies, 2023 - 2024)	
CableLabs	Louisville, CO
Applied Strategist Intern	Summer 2021
Analyzed the usage of mobile data to create a predictive model and researched the relationships between the major cell phone carriers in the United States.	
South Dakota State University	Brookings, SD
CAPITAL Card Services Research Fellow (FA 2020 - SP 2021)	2019 - 2021
Graduate Teaching Assistant	
CAPITAL Card Services	Sioux Falls, SD
Statistician Intern	Summer 2019
Created an action-effect model to predict charge-off probability, using both machine learning and general regression techniques.	
Sanford Enterprise and Data Analytics	Sioux Falls, SD
Advanced Analytics Intern	Summer 2018
Employed parametric clustering techniques to group patients using demographic data.	
University of South Dakota	Vermillion, SD
Tutor	2016 - 2019

RESEARCH EXPERIENCE

Spatio-Temporal Modeling for Arctic Sea Ice	2023 - Present
Ph.D. Dissertation	
Dissertation Advisor: Yawen Guan	
Variable Correlation in Logistic Regression	2020 - 2021
M.S. Research Paper	
Advisor: Thomas Brandenburger	
Honey Bee and Varroa destructor Population Dynamics	2018 - 2019
Undergraduate Honors Thesis	
Advisor: Dan Van Peurse	

AWARDS AND HONORS

Elmer E. Remmenga Scholarship in Applied Statistics, Colorado State University	2023 - 2024
Programs of Research and Scholarly Excellence (PRSE) Fellowship, Colorado State University	2021 - 2022
Honors Program Thesis with Distinction, University of South Dakota	2019
Dr. Marjorie H. Beaty Math/Computer Science Scholarship, University of South Dakota	2018 - 2019
NASA Space Grant Educational Stipend, South Dakota Space Grant Consortium	2017, 2018, 2020

TECHNICAL SKILLS

Programming:	R, Python, C
Relevant Courses:	Probability Theory, Numerical Analysis, Mathematical Statistics, Advanced Statistical Data Analysis, Bayesian Statistics, Spatial Statistics, Computational Statistics
Other Learning:	Mentored by Dr. Stan Altan (J&J) in Summer 2025 on Experimental Design and Nonclinical Statistics