

STACY EDMONDSON

CONTACT

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📍 Fort Collins, CO

EXPERIENCE

Assistant Professor 2015 - 2021
Whitman College
Department of Mathematics and Statistics

- Maintained an active research agenda:
 - Identified, implemented, and communicated the methodology required to conduct necessary data analysis on bird song similarity for a colleague in the Biology Department. This led to a publication.
 - Conducted simulations to analyze data on the dietary niche overlap between Stellar and California Sea lions for a colleague in the Northeast Indian Fisheries Commission, Makah Tribe. This led to a publication.
- Developed, organized, and taught 5 courses per year. Courses included upper and lower level Mathematics and Statistics topics.
 - Required students to create collaborative and reproducible work using tools such as R/RStudio, Git/GitHub, and Google Docs/Sheets.
- Advised senior projects for Mathematics majors. Topics include: Principle Component Analysis, Bayesian Statistics, Quantile Regression, Ising Model, and Modeling Stochastic Chemical Reaction Networks.
- Collaborated with colleagues in the Economics Department to maintain and grow the Econ-Math combined major.
- Contributed to the growth of Statistics at the college by increasing course offerings and designing a Statistics major track within the Mathematics major.

Research Assistant 2011 - 2014
Colorado State University

- Developed statistical methods to account for identification and matching errors in capture-recapture surveys. This facilitated estimation of abundance of Bering-Chukchi-Beaufort Seas bowhead whales for the International Whaling Committee Scientific Committee in June 2013.
- Managed and formatted the complex capture-recapture dataset across multiple years to help implement the analysis.
- Presented, along with advisor and colleagues at the North Slope Borough, Department of Wildlife Management, findings to the Scientific Committee at the International Whaling Commission.

Instructor 2009 - 2011
Colorado State University

- Solely responsible for the development and delivery of Intro to Biostatistics, an undergraduate, introductory statistics class.

SUMMARY

Professional statistician and collaborative colleague with a growth mindset. Experience in using data to make informed decisions. Strong communication and interpersonal skills. Looking to leverage my statistical background into a professional career as a Data Engineer.

EDUCATION

Colorado State University
PhD in Statistics, 2015

Colorado State University
Masters in Statistics, 2011

University of Redlands
B.S. in Mathematics, 2008

ACHIEVEMENTS

- US Delegate to the Scientific Committee at the International Whaling Commission, 2013,
- Thomas J. and Eileen C. Boardman Statistical Consulting Award, 2012

SKILLS

- *R/RStudio*
- *Git/GitHub*
- *Latex*
- *MS/Google Office Products*
- *Python*
- *SQL*