

R. Jacob Andros

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<https://github.com/androsrj/projects>

EDUCATION

PhD in Statistics

Texas A&M University, College Station, TX
Advisor: Rajarshi Guhaniyogi

Expected Graduation: May 2026

M.S. in Statistics

Brigham Young University, Provo, UT
Advisor: David B. Dahl

August 2022

B.S. in Statistical Science

Brigham Young University, Provo, UT
Minor: Mathematics

April 2020

RESEARCH

Published Papers

1. David B. Dahl, **Jacob Andros**, J. Brandon Carter (2022), Cluster Analysis via Random Partition Distributions, published November 2022 in *SADM*. <https://onlinelibrary.wiley.com/doi/abs/10.1002/sam.11602>.

Submitted Papers

1. David B. Dahl, **Jacob Andros**, Devin Johnson (2022+), Comparison and Bayesian Estimation of Feature Allocations, submitted July 2022 and under review. <https://arxiv.org/abs/2207.13824>.

Software

1. **fangs** — R package for feature allocation estimation using MCMC samples. Available on CRAN at <https://cran.r-project.org/package=fangs>.
2. **caviarpd** — R package for cluster analysis via random partition distributions. Available on CRAN at <https://cran.r-project.org/package=caviarpd>.

Presentations

1. ASA Joint Statistical Meetings (JSM) August 2022
Washington D.C.
“Comparison and Bayesian Estimation of Feature Allocations”

TEACHING EXPERIENCE

Brigham Young University

Teaching Assistant

- STAT 642: Probability Theory & Mathematical Statistics (MS). Winter 2022
- STAT 536: Statistical Learning (MS). Fall 2021
- STAT 330: Introduction to Regression (BS). Winter 2020
- STAT 121: Principles of Statistics (BS). Fall 2019, Winter 2019-20
- MATH 112: Calculus 1 (BS). Winter 2019

INDUSTRY EXPERIENCE

NBC Universal

Data Science Intern

New York, NY
June—August 2021

USAA

Competitive Intelligence Intern

San Antonio, TX
May—July 2020

USAA

Data Analyst Intern

San Antonio, TX
May—July 2019

AWARDS & HONORS

- BYU Department of Statistics Scholarship 2021—2022
- BYU Undergraduate Tuition Scholarship 2015—2016, 2018—2021
- Texas A&M University Fellowship, 2022—2026

MEMBERSHIPS

Mu Sigma Rho National Statistics Honor Society

American Statistical Association (ASA) and Utah chapter of the ASA

- Section for Statistical Programmers and Analysts

SERVICE

BYU Data Science Club

Alumni Outreach Team Member

Provo, UT
Jan—May 2019

The Church of Jesus Christ of Latter-day Saints

Full-Time Volunteer and Representative

Yerevan, Armenia
June 2016—June 2018