

# R. Jacob Andros

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Department of Statistics  
Brigham Young University  
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Updated: November 2021  
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## EDUCATION

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**M.S. in Statistics** April 2022  
Department of Statistics  
Brigham Young University, Provo, UT  
Advisor: David B. Dahl

**B.S. in Statistics** April 2022  
Department of Statistics  
Brigham Young University, Provo, UT  
Minor: Mathematics

## RESEARCH

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### Submitted Papers

1. David B. Dahl, **Jacob Andros**, J. Brandon Carter (2021+), Cluster Analysis via Random Partition Distributions, submitted August 2021 and under review. <https://arxiv.org/abs/2106.02760>.

### Work in Progress

1. David B. Dahl, **Jacob Andros**, Devin Johnson (2021+), Search Algorithms and Loss Functions for Bayesian Feature Allocation Models, goal of submission in December 2021.

### Software

1. **caviarpd** — R package for cluster analysis via random partition distributions. Available on CRAN at <https://cran.r-project.org/package=caviarpd>.

### Presentations

1. College of Physical & Mathematical Sciences Research Conference February 2021  
*Brigham Young University*  
“Cluster Analysis via Random Partition Distributions”

## TEACHING EXPERIENCE

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### **Brigham Young University**

Teaching Assistant

- 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

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### **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

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- BYU Department of Statistics Scholarship 2021-2022
- BYU Undergraduate Tuition Scholarship 2015-2016, 2018-2021

## MEMBERSHIPS

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Mu Sigma Rho National Statistics Honor Society

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

- Section for Statistical Programmers and Analysts

## SERVICE

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### **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