Jared D. Fisher, Ph.D.

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EDUCATION

Ph.D. in Statistics   2019
Department of Information, Risk, and Operations Management
McCombs School of Business
University of Texas at Austin, Austin, TX
Advisor: Carlos M. Carvalho
Dissertation: "Balancing Model Structure and Flexibility in Forecasting Financial Time Series"

M.S. in Information, Risk, and Operations Management   2017
Department of Information, Risk, and Operations Management
McCombs School of Business
University of Texas at Austin, Austin, TX

M.S. in Statistics   2014
Department of Statistics
Brigham Young University, Provo, UT
Advisor: Gilbert W. Fellingham
Project: "Bayesian Semiparametric Modeling of Major League Baseball Players' Career Home Run Hitting Performance Curves"

B.S. in Statistics   2012
Department of Statistics
Brigham Young University, Provo, UT
Minor: Mathematics

ACADEMIC APPOINTMENTS

Brigham Young University
Assistant Professor   2021 - present

University of California, Berkeley
Lecturer   2019 - 2021
Postdoctoral Scholar   2019 - 2021

University of Texas at Austin
Lecturer   2019
Assistant Instructor   2017

Note: † indicates graduate student coauthors, while * indicates work done while an undergraduate student.

Refereed Papers

6. Andrew J. Cannon*†, **Jared D. Fisher**, Gilbert W. Fellingham, Garritt L. Page (2026+). "Analyzing the Effect of NBA Head Coaches". *Journal of Quantitative Analysis in Sports*.

5. **Jared D. Fisher**, Colin Montague (2025). "Improving the Aggregation and Evaluation of NBA Mock Drafts". *Journal of Quantitative Analysis in Sports*, Special Issue on NBA Basketball. Link to paper.

4. Benjamin K. Dahl†, Matthew J. Heaton, Richard L. Warr, **Jared D. Fisher**, Grant G. Schultz (2025). "Modeling Crash Risk on Roadway Networks using Bayesian Regression Trees". *Technometrics*. Link to paper.

3. **Jared D. Fisher**, David W. Puelz, Carlos M. Carvalho (2020). "Monotonic Effects of Characteristics on Returns". *Annals of Applied Statistics*. Link to paper.

2. **Jared D. Fisher**, Davide Pettenuzzo, Carlos M. Carvalho (2020). "Optimal Asset Allocation with Multivariate Bayesian Dynamic Linear Models". *Annals of Applied Statistics*. Link to paper.

1. Gilbert W. Fellingham, **Jared D. Fisher** (2018). "Predicting Home Run Production in Major League Baseball Using a Bayesian Semiparametric Model". *The American Statistician*. Link to paper.

Working Papers

4. **Jared D. Fisher**, David W. Puelz, Sameer K. Deshpande. "A Bayesian Classification Trees Approach to Treatment Effect Variation with Noncompliance". Link to arXiv paper. *Under Revision*

3. **Jared D. Fisher**, Caleb G. Carlyle*, Gilbert W. Fellingham. "The Playoff Effect: Detecting NBA Player Performance Shifts".

2. **Jared D. Fisher**, Kyle R. McEvoy†. "Bayesian Multinomial Logistic Regression for Numerous Categories". Link to arXiv paper.

1. **Jared D. Fisher**. "Probit Monotone BART". Link to arXiv paper.

Work in Progress

4. "Incorporating Fatigue in Adjusted Plus-Minus" with Tyler Barlow*†, Nathan Sandholtz.
Winner of Poster Competition at 2025 Carnegie Mellon Sports Analytics Conference.

3. "Is Cross Country a Team Sport? A Bayesian Hierarchical Analysis of Attached vs. Unattached Runners" with Nathan Sandholtz, Sam Lee†, Brylee Wilcox*, Garritt L. Page.

2. "Determining Overplayed and Underplayed NBA Lineups" with Devan Gwynn*.

1. "Hierarchical Plackett-Luce Models for the NBA Draft" with Brian Taylor*.

Other Works

3. **Jared D. Fisher** and David W. Puelz (2020). Review 1 of "Firearm Purchasing and Firearm Violence in the First Months of the Coronavirus Pandemic in the United States" for *Rapid Reviews: COVID-19*. https://rapidreviewscovid19.mitpress.mit.edu/pub/3mbutnjm/release/2

2. **Jared D. Fisher** (2019). Balancing Model Structure and Flexibility in Forecasting Financial Time Series. Dissertation. https://repositories.lib.utexas.edu/handle/2152/75030

1. Student contributor to the labs for "Foundations of Applied Mathematics" curriculum, under Jeffrey Humpherys (2013). https://foundations-of-applied-mathematics.github.io/

PRESENTATIONS

Invited Presentations

- International Society for Bayesian Analysis World Meeting, Venice, Italy   July 2024
  "A Bayesian Classification Trees Approach to Treatment Effect Variation with Noncompliance"

- Division of Biostatistics, University of Utah, Salt Lake City, UT   December 2023
  "A Bayesian Classification Trees Approach to Treatment Effect Variation with Noncompliance"

- ASA Utah Chapter Annual Meeting, Salt Lake City, UT   October 2023
  "From Classroom to Career: Excelling in Statistics and Data Science" - Panelist

- Causal Inference Seminar, Salem Center for Policy, Austin, TX   March 2022
  "A Bayesian Semiparametric Approach to Treatment Effect Variation with Noncompliance"

- Department of Statistics, Brigham Young University, (online)   February 2021
  "A Bayesian Semiparametric Approach to Treatment Effect Variation with Noncompliance"

- BYU Mathematical Finance Club, (online)   November 2020
  "Monotonic Effects of Characteristics on Returns"

- Federal Reserve Bank, Atlanta, GA   March 2019
  "Monotonic Effects of Characteristics on Returns"

- Department of Statistics, Brigham Young University, Provo, UT   November 2018
  "Monotonic Effects of Characteristics on Returns"

Contributed Presentations

- Joint Statistical Meetings, Nashville, TN   August 2025
  "A Bayesian Classification Trees Approach to Treatment Effect Variation with Noncompliance"

- International Conference on Bayesian Nonparametrics, Los Angeles, CA   June 2025
  "A Bayesian Classification Trees Approach to Treatment Effect Variation with Noncompliance"

- Symposium on Data Science and Statistics, Salt Lake City, UT   April 2025
  "Bayesian Multinomial Logistic Regression for Numerous Categories"

- Joint Statistical Meetings, Portland, OR   August 2024
  "Improving the Aggregation and Evaluation of NBA Mock Drafts"

- American Causal Inference Conference, Seattle, WA   May 2024
  "A Bayesian Classification Trees Approach to Treatment Effect Variation with Noncompliance" - Poster

- Joint Statistical Meetings, Toronto, Canada   August 2023
  "Aggregating Forecasts of Ranked Lists: What Information do Mock Drafts Provide about the Actual National Basketball Association Draft?" - Poster

- American Causal Inference Conference, Austin, TX   May 2023
  "A Bayesian Semiparametric Approach to Treatment Effect Variation with Noncompliance" - Poster

- Joint Statistical Meetings, Washington DC   August 2022
  "A Bayesian Semiparametric Approach to Treatment Effect Variation with Noncompliance"

- International Society for Bayesian Analysis World Meeting, Montreal, Canada   July 2022
  "A Bayesian Semiparametric Approach to Treatment Effect Variation with Noncompliance" - Poster

- Seminar on Bayesian Inference in Econometrics and Statistics, (online)   August 2020
  "Optimal Asset Allocation with Multivariate Bayesian Dynamic Linear Models"

- European Seminar on Bayesian Econometrics, New Orleans, LA   October 2018
  "Monotonic Effects of Characteristics on Returns"

- Joint Statistical Meetings, Vancouver, BC, Canada   July 2018
  "Monotonic Effects of Characteristics on Returns"

- International Society for Bayesian Analysis World Meeting, Edinburgh, UK   June 2018
  "Monotonic Effects of Characteristics on Returns"

- Seminar on Bayesian Inference in Econometrics and Statistics, Stanford, CA   May 2018
  "Monotonic Effects of Characteristics on Returns"

- INFORMS Annual Meeting, Houston, TX   October 2017
  "Bayesian Dynamic Linear Models for Strategic Asset Allocation"

- INFORMS Advances in Decision Analysis, Austin, TX   June 2017
  "Bayesian Dynamic Linear Models for Strategic Asset Allocation"

- Seminar on Bayesian Inference in Econometrics and Statistics, St. Louis, MO   May 2017
  "Bayesian Dynamic Linear Models for Strategic Asset Allocation"

- Joint Statistical Meetings, Chicago, IL   August 2016
  "Bayesian Dynamic Linear Models for Strategic Asset Allocation"

- New England Symposium for Statistics in Sports, Cambridge, MA   September 2011
  "Clustering Performance Curves" - Poster

Local Presentations

- IDEA Labs, Brigham Young University, Provo, UT   September 2022
  "A Bayesian Semiparametric Approach to Treatment Effect Variation with Noncompliance"

- Department of Statistics, Brigham Young University, Provo, UT   October 2021
  "A Bayesian Semiparametric Approach to Treatment Effect Variation with Noncompliance"

- Sports Analytics Group at Berkeley, Berkeley, CA (online)   April 2020
  "Predicting Home Run Production in Major League Baseball Using a Bayesian Semiparametric Model"

- IROM Brownbag, Austin, TX   September 2018
  "Improving Predictions in Finance with Dynamic Bayesian Methods"

- IROM PhD Symposium, Austin, TX　　　　　　　　　　　　　　　　　April 2018
  "Monotonic Effects of Characteristics on Returns"

- IROM PhD Seminar, Austin, TX　　　　　　　　　　　　　　　September 2017
  "Bayesian Dynamic Linear Models for Strategic Asset Allocation"

- IROM PhD Seminar, Austin, TX　　　　　　　　　　　　　　　September 2016
  "Bayesian Dynamic Linear Models for Strategic Asset Allocation"

- IROM PhD Seminar, Austin, TX　　　　　　　　　　　　　　　　　March 2016
  "Bayesian Dynamic Linear Models for Strategic Asset Allocation"

- BYU CPMS Student Research Conference, Provo, UT　　　　　　　March 2013
  "Modeling Functional Data; Batting Performance of Major League Baseball Players"

- BYU CPMS Spring Research Conference, Provo, UT　　　　　　　March 2012
  "Modeling Functional Data; Batting Performance of Major League Baseball Players"

- BYU CPMS Spring Research Conference, Provo, UT　　　　　　　March 2011
  "Parametric Bayesian Fitting of Cubic Splines to Model Major League Baseball Player Performance"

Teaching Experience

Brigham Young University

- as Faculty

  - STAT 340 - Probability and Inference 2 (BS). Wi 2022 - present
  - STAT 497R - Introduction to Research (BS). Fa 2024 - present
  - STAT 536 - Statistical Learning and Data Mining (MS). Fa 2021 - present

- as Teaching Assistant

  - STAT 221 - Principles of Statistics (BS). Fa 2009, Wi 2010
  - STAT 340 - Inference (BS). Fa 2012, Wi 2013, Fa 2013, Wi 2014
  - STAT 624 - Statistical Computation (MS). Fa 2013
  - STAT 635 - Mixed Model Methods (MS). Wi 2014

- as Bilingual Tutor

  - STAT 424 - Capstone on SAS and SQL (BS). Wi 2011

University of California, Berkeley

- as Faculty (Lecturer)

  - STAT 153 - Introduction to Time Series (BS). Fa 2019, Sp 2020, Fa 2020, Sp 2021

University of Texas at Austin

- as Lecturer (instructor, after graduation)

  - STA s380.17 - Predictive Modeling (MS Business Analytics). Su 2019

- as Assistant Instructor (instructor, before graduation)

- STA 309 - Elementary Business Statistics (BS). Fa 2017

- as Teaching Assistant

  - STA 371G - Statistics and Modeling (BS). Sp 2016, Fa 2016, Sp 2017, Sp 2018
  - STA 380.10 - Mathematical Statistics for Applications (MS/PhD). Fa 2015
  - STA s380.17 - Predictive Modeling (MS Business Analytics). Su 2016, Su 2017, Su 2018
  - B A 386T - Statistics (EMBA). Fa 2015, Fa 2018

STUDENT ADVISING

as MS Committee Chair

- Tyler Barlow   2025 - 2027
  Project Title: "Impact of Fatigue in Basketball"
  Award: Winner of Poster Competition at 2025 Carnegie Mellon Sports Analytics Conference.
  After Graduation: -Not yet graduated-

- Elizabeth Patterson   2022 - 2024
  Project Title: "Comparing Computational Strategies and Evaluating the Predictive Capability of the Grade of Membership Model"
  After Graduation: Biostatistician at University of Utah Medical School

- Andrew Cannon   2022 - 2024
  Project Title: "Analyzing the Effects of NBA Head Coaches"
  After Graduation: Iowa State Statistics PhD program

as MS Committee Member

- Jason Cook   2023 - 2025
  Project Title: "Bayesian Partition Estimation for Big Data using Splinters"
  After Graduation: Statistician at Pentara

- Benjamin Dahl   2022 - 2024
  Project Title: "Modeling Crash Risk on Roadway Networks using Bayesian Regression Trees"
  After Graduation: Duke Statistics PhD program

- Max Smith   2021 - 2023
  Project Title: "Handling Imbalance in Credit Card Fraud Data"
  After Graduation: Data Analyst at Progressive Leasing

- Skyler Gray   2020 - 2022
  Project Title: "Substituting Neural Networks for Gaussian Processes"
  After Graduation: Sandia National Lab

- Jacob Andros   2020 - 2022
  Project Title: "Search Algorithms and Loss Functions for Bayesian Feature Allocation Models"
  After Graduation: Texas A&M Statistics PhD program

as Research Mentor

Worked With	Student	After University
2025 - present	Brian Taylor	-Not yet graduated-
2024 - present	Devan Gwynn	-Not yet graduated-
2024 - 2025	Caleb Carlyle	Duke Interdisciplinary Data Science MS program
2024 - 2025	Tyler Barlow	BYU Statistics MS program
2023 - 2024	Brady Heinig	SMU Data Science and Applied Statistics MS
2023 - 2024	Matthew Ng	Statistical Analyst Intern at AAPC
2023 - 2024	Matthew Blackley	Texas A&M Statistics PhD program
2021 - 2022	Andrew Cannon	BYU Statistics MS program
2020 - 2021	Richard Yu	Analyst
2020 - 2021	Kyle McEvoy	UCLA Statistics PhD program
2020 - 2020	Liam Shaw	Data Scientist at Wolverine Trading

SERVICE

to Department

- BYU Statistics Department Seminar Committee (Chair)   2025 - present
- BYU Statistics Graduate Comprehensive Exam Committee   2021 - present
- BYU Statistics Student Outreach Committee   2023 - 2025
- BYU Statistics Graduate Admissions Committee   2023 - 2025
- BYU Statistics Department Curriculum Committee   2022 - 2023
- BYU Statistics Department Seminar Committee   2021 - 2022
- UT Austin IROM PhD Seminar Co-founder, Organizer   2017 - 2017

to College

- BYU CPMS Student Research Conference Session Judge   2022 - present
- BYU Sports Analytics Reading Group Co-founder, Organizer   2022 - 2024

to Profession

- Associate Editor, Journal of Quantitative Analysis in Sports   2023 - present
- Secretary, ISBA Section on Economics, Finance, and Business (EFaB)   2023 - 2024
- Student Paper Awards Committee, ASA Business and Economics Statistics Section   2021 - 2024

Reviewer for

- *Journal of Business and Economic Statistics*
- *Journal of Computational and Graphical Statistics*
- *Journal of Educational and Behavioral Statistics*
- *Journal of Quantitative Analysis in Sports*
- *Journal of the Royal Statistical Society: Series C*

- *NeurIPS*

- *National Science Foundation* (NSF) Grant Proposal

- *Smart Science*

- *Statistics in Medicine*

- *Rapid Review: COVID-19*

GRANTS

- "AI-Assisted Decision-making for Stochastic Spatial Tasks with Imperfect Execution". (2024) National Science Foundation. Co-PI. *Not funded.*

- "Bayesian Non-parametric Modeling of Functional Data". (2011) BYU Office of Research, Creative Activities ORCA Grant. PI. $1500. *Funded.*

AWARDS & HONORS

Excellence in Teaching Award, BYU Department of Statistics	2025
Nominee, Extraordinary Teaching in Extraordinary Times Award (UC Berkeley)	2020 - 2021
ISBA EFaB Junior Researcher Travel Award (ESOBE)	2018
Graduate School Continuing Fellowship (UT Austin)	2018 - 2019
Dean's Fellowship (UT Austin)	2015 - 2019
William Powers, Jr. Graduate Recruitment Fellowship (UT Austin)	2014 - 2015
Best Session Presentation, BYU CPMS Student Research Conference	2013
BYU President's Leadership Council's Mentored Student Group Member	2011 - 2014
Together for Greatness Tuition Scholarship (BYU)	2011 - 2012
BYU Department of Statistics Scholarship	2010
BYU Undergraduate Tuition Scholarship	2006 - 2007, 2009 - 2012
Eagle Scout	2003

MEMBERSHIPS

American Statistical Association (ASA)

- Business and Economic Statistics Section

- Section on Bayesian Statistical Science

- Statistics in Sports Section

International Society for Bayesian Analysis (ISBA)

- Section on Economics, Finance, and Business

- Section on Bayesian Nonparametrics

Society for Causal Inference (SCI)

Languages

English - native
Mandarin Chinese - tested HSK level 4 in 2010

Industry Experience

Integra REC, Austin, TX   2015
Analyst Intern

Vivint, Provo, UT   2014
Business Analytics Intern

ActiveCare, Provo, UT   2013
Statistical Consultant

VolleyMetrics, Provo, UT   2013
Research Associate

Savvysherpa, Provo, UT   2012
Research Intern