DAVID B. DAHL

Professor and Chair
Department of Statistics
Brigham Young University

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February 5, 2024

EDUCATION

- University of Wisconsin – Madison, Ph.D., Statistics (2004)
  Advisor: Michael A. Newton
- Brigham Young University, M.S., Statistics (1998)
  Advisor: Scott D. Grimshaw
- Brigham Young University, B.S., Statistics (1997)
  Summa cum laude, Speaker at college graduation

PROFESSIONAL EXPERIENCE

- Chair, Department of Statistics, Brigham Young University — July 2022 - present
- Professor, Department of Statistics, Brigham Young University — Sept. 2015 - present
- Member, Simmons Center for Cancer Research, BYU — Sept. 2020 - present
- Associate Chair & Graduate Coordinator, Dept. of Statistics, BYU — Jan. 2018 - Jun. 2020
- Associate Professor, Department of Statistics, Brigham Young University — July 2012 - Aug. 2015
- Associate Professor, Department of Statistics, Texas A&M University — Sept. 2010 - June 2012
- Adjunct, Dept. of Biostatistics, U. of Texas MD Anderson Cancer Center — Sept. 2007 - Aug. 2012
- Assistant Professor, Department of Statistics, Texas A&M University — Aug. 2004 - Aug. 2010

RESEARCH INTERESTS: Bayesian nonparametrics, random partition models, model-based clustering, statistical computing, bioinformatics, data science.

PAPERS

(† denotes advised, co-advised, or mentored student)

- **D. B. Dahl**, †D. J. Johnson, †R. J. Andros (2023), Comparison and Bayesian Estimation of Feature Allocations, *Journal of Computational and Graphical Statistics*, 32(4), 1371-1382. DOI:10.1080/10618600.2023.2204136. Associated software package on CRAN: fangs.
- **D. B. Dahl**, †R. J. Andros, †J. B. Carter (2023), Cluster analysis via random partition distributions, *Statistical Analysis and Data Mining: ASA Data Science Journal*, 16 (2023), 135-148. DOI:10.1002/sam.11602.
- **D. B. Dahl**, †D. J. Johnson, P. Müller (2022), Search Algorithms and Loss Functions for Bayesian Clustering, *Journal of Computational and Graphical Statistics*, 31(4), 1189-1201. DOI:10.1080/10618600.2022.2069779.
- **D. B. Dahl**, †S. Newcomb (2022), Sequentially-Allocated Merge-Split Samplers for Conjugate Bayesian Nonparametric Models, *Journal of Computational Statistics and Simulation*, 92(7), 1487-1511. DOI:10.1080/00949655.2021. Associated software package on CRAN: sams.
- R. L. Warr, **D. B. Dahl**, †J. M. Meyer, †A. Lui (2022), The Attraction Indian Buffet Distribution, *Bayesian Analysis*, 17 (3), 931-967. DOI:10.1214/21-BA1279. Associated software package on GitHub: aibd.

- G. L. Page, F. A. Quintana, **D. B. Dahl** (2022), Dependent Modeling of Temporal Sequences of Random Partitions, *Journal of Computational and Graphical Statistics*, 31(2), 614-627. DOI:10.1080/10618600.2021.1987255.
- **D. B. Dahl**, R. L. Warr, †T. P. Jensen (2021), Invited Discussion of Paganin, *et al.*'s "Centered Partition Processes: Informative Priors for Clustering (with Discussion)," *Bayesian Analysis*, 16 (1) 301-370, DOI:10.1214/20-BA1197.
- **D. B. Dahl** (2020), Integration of R and Scala Using rscala, *Journal of Statistical Software*, 92:4, 1-18. DOI:10.18637/jss.v092.i04. Associated software package on GitHub: rscala.
- †F. R. Gilbert, **D. B. Dahl** (2018), jsr223: A Java Platform Integration for R with Programming Languages Groovy, JavaScript, JRuby, Jython, and Kotlin, *R Journal*, 10:2, 440-454. DOI:10.32614/RJ-2018-066. Associated software package on CRAN: jsr223.
- **D. B. Dahl**, R. Day, J. Tsai (2017), Random Partition Distribution Indexed by Pairwise Information, *Journal of the American Statistical Association*, 112, 721-732. DOI:10.1080/01621459.2016.1165103. Associated software package on GitHub: shallot.
- Q. Li, **D. B. Dahl**, M. Vannucci, H. Joo, J. W. Tsai (2016), KScons: A Bayesian Approach for Protein Residue Contact Prediction using the Knob-socket Model of Protein Tertiary Structure, *Bioinformatics*, 32(24): 3774-3781.
- **D. B. Dahl** (2014), Book review of "Clustering: A Data Recovery Approach" by Boris Mirkin, *Journal of the American Statistical Association*, 109, 866.
- Q. Li, **D. B. Dahl**, M. Vannucci, H. Joo, J. W. Tsai (2014), Bayesian Model of Protein Primary Sequence for Secondary Structure Prediction, *PLOS ONE*, 9(10), e109832. Associated software package on GitHub: bamboo.
- R. Day, H. Joo, A. Chavan, †K. P. Lennox, Y. A. Chen, **D. B. Dahl**, M. Vannucci, J. Tsai (2013), Understanding the General Packing Rearrangements Required for Successful Template Based Modeling of Protein Structure from a CASP Experiment, *Computational Biology and Chemistry*, 42, 40-48.
- S. Schwartz, I. Friedberg, I. V. Ivanov, L. A. Davidson, J. S. Goldsby, **D. B. Dahl**, D. Herman, M. Wang, S. M. Donovan, R. S. Chapkin (2012), A Metagenomic Study of Diet-Dependent Interaction Between Gut Microbiota and Host in Infants Reveals Differences in Immune Response, *Genome Biology*, 2012, 13:r32.
- A. G. Chavan, H. Joo, R. Day, †K. P. Lennox, P. Sukhanov, **D. B. Dahl**, M. Vannucci, J. W. Tsai (2011), Near-Native Protein Loop Modeling using Nonparametric Density Estimation Accommodating Sparcity. *PLoS Computational Biology*, 7(10): e1002234.
- R. Day, †K. P. Lennox, **D. B. Dahl**, M. Vannucci, J. W. Tsai (2010), Characterizing the regularity of tetrahedral packing motifs in protein tertiary structure, *Bioinformatics*, 26, 3059-3066.
- †K. P. Lennox, **D. B. Dahl**, M. Vannucci, R. Day, J. W. Tsai (2010), A Dirichlet Process Mixture of Hidden Markov Models for Protein Structure Prediction, *Annals of Applied Statistics*, 4, 916-942.
- †B. Hartman, **D. B. Dahl** (2010), Bayesian Nonparametric Regression for Diabetes Deaths, *Actuarial Research Clearing House*, 10.1.
- S. Kim, **D. B. Dahl**, M. Vannucci (2009), Spiked Dirichlet Process Prior for Bayesian Multiple Hypothesis Testing in Random Effects Models, *Bayesian Analysis*, 4, 707-732.
- L. Tao, **D. B. Dahl**, L. M. Pérez, D. H. Russell (2009), The Contributions of Molecular Framework to IMS Collision Cross-sections of Gas-phase Peptide Ions, *Journal of the American Society for Mass Spectrometry*, 20, 1593-1602.
- **D. B. Dahl** (2009), Bayesian Methods for Protein Structure Prediction, *International Society for Bayesian Analysis Bulletin*, 16(2), 6-8.
- †K. P. Lennox, **D. B. Dahl**, M. Vannucci, J. W. Tsai (2009), Density Estimation for Protein Conformation Angles Using a Bivariate von Mises Distribution and Bayesian Nonparametrics, *Journal of the American Statistical Association*, 104, 586-596.
- **D. B. Dahl** (2009), Modal Clustering in a Class of Product Partition Models, *Bayesian Analysis*, 4, 243-264.

- **D. B. Dahl**, †S. Crawford (2009), RinRuby: Accessing the R Interpreter from Pure Ruby, *Journal of Statistical Software*, 29(4), 1-18.
- **D. B. Dahl**, Z. Bohannan, Q. Mo, M. Vannucci, J. W. Tsai (2008), Assessing Side-Chain Perturbations of the Protein Backbone: A Knowledge Based Classification of Residue Ramachandran Space, *Journal of Molecular Biology*, 378, 749-758.
- **D. B. Dahl**, Q. Mo, M. Vannucci (2008), Simultaneous Inference for Multiple Testing and Clustering via a Dirichlet Process Mixture Model, *Statistical Modelling*, 8, 23-39.
- **D. B. Dahl**, M. A. Newton (2007), Multiple Hypothesis Testing by Clustering Treatment Effects, *Journal of the American Statistical Association*, 102, 517-526.
- **D. B. Dahl** (2007), Invited Discussion of Jain and Neal's "Splitting and Merging Components of a Nonconjugate Dirichlet Process Mixture Model," *Bayesian Analysis*, 2, 473-478.
- **D. B. Dahl** (2006), Model-Based Clustering for Expression Data via a Dirichlet Process Mixture Model, in *Bayesian Inference for Gene Expression and Proteomics*, Kim-Anh Do, Peter Müller, Marina Vannucci (Eds.), Cambridge University Press.
- D. Kwon, S. Kim, **D. B. Dahl**, M. Swartz, M. Tadesse, M. Vannucci (2006), Identification of DNA Regulatory Motifs and Regulators by Integrating Gene Expression and Sequence Data, in *Bayesian Inference for Gene Expression and Proteomics*, Kim-Anh Do, Peter Müller, Marina Vannucci (Eds.), Cambridge University Press.
- S. Sengupta, J. A. den Boon, I.-H. Chen, M. A. Newton, **D. B. Dahl**, M. Chen, Y.-J. Cheng, W. H. Westra, C.-J. Chen, A. Hildesheim, B. Sugden, P. Ahlquist (2006), Genome-Wide Expression Profiling Reveals EBV-Associated Inhibition of MHC Class I Expression in Nasopharyngeal Carcinoma, *Cancer Research*, 66, 7999-8006.
- M. A. Croft, A. Glasser, G. Heatley, J. McDonald, T. Ebbert, **D. B. Dahl**, N. V. Nadkarni, P. L. Kaufman (2006), Accommodative Ciliary Body and Lens Function in Rhesus Monkeys, I: Normal Lens, Zonule and Ciliary Process Configuration in the Iridectomized Eye, *Investigative Ophthalmology and Visual Science*, 47, 1076-1086.
- J. A. Mattison, M. A. Croft, **D. B. Dahl**, G. S. Roth, M. A. Lane, D. K. Ingram, P. L. Kaufman (2005), Accommodative Function in Rhesus Monkeys: Effects of Aging and Calorie Restriction, *Journal of the American Aging Association*, 27, 59-67.
- S. Wamsley, B. T. Gabelt, **D. B. Dahl**, G. L. Case, R. W. Sherwood, C. A. May, M. R. Hernandez, P. L. Kaufman (2005), Vitreous Glutamate Concentration and Axon Loss in Monkeys with Experimental Glaucoma, *Archives of Ophthalmology*, 123, 64-70.
- N. Binkley, **D. B. Dahl**, T. Kawahara-Baccus, D. Krueger, R. J. Colman (2003), Bone Loss Assessment in Ovariectomized Rats Utilizing Two Dual-Energy X-Ray Absorptiometers, *Journal of Bone and Mineral Research*, 18, 370-375.
- N. T. Taylor, G. M. Burlingame, K. B. Kristensen, A. Fuhriman, J. Johansen, **D. B. Dahl** (2001), A Survey of Mental Health Care Provider's and Managed Care Organization Attitudes Toward, Familiarity with, and Use of Group Interventions, *International Journal of Group Psychotherapy*, 51(2), 243-263.
- M. Lopez, N. L. Van Zeeland, **D. B. Dahl**, R. Weindruch, J. M. Aiken (2000), Cellular Phenotypes of Age-Associated Skeletal Muscle Mitochondrial Abnormalities in Rhesus Monkeys, *Mutation Research*, 452, 123-138.

PAPERS UNDER REVIEW

- **D. B. Dahl**, R. L. Warr, †T. P. Jensen (2023), Dependent Random Partitions by Shrinking Toward an Anchor. arXiv:2312.17716

PAPERS IN PREPARATION

- **D. B. Dahl**, †E. Bailey, †J. R. Andros (?), Posterior Estimation from Samples in a Network Space.
- **D. B. Dahl**, †J. Whetten (?), Writing R Extensions in Rust
- **D. B. Dahl**, G. L. Page, F. A. Quintana (?), Bayesian Clustering for Big Data using Splinters

- M. Heiner, †S. Johnson, J. Christensen (?), **D. B. Dahl**, Quantile Slice Sampling with Transformations to Approximate Targets.

GRANTS

- **PI**: *Nonparametric Bayesian Approaches to Modeling Protein Structure*, Joint NSF/NIGMS Mathematical Biology Program, NIH NIGMS R01 GM104972 (Co-PI Jerry Tsai, Dept. of Chemistry, Univ. of the Pacific & Co-PI Marina Vannucci, Dept. of Statistics, Rice University). 07/01/2012 – 04/30/2017. Total award: $1,403,580.
- **Co-PI**: *Training Grant: Nutrition, Biostatistics and Bioinformatics*, NIH NCI R25 CA090301 (PI Raymond Carroll, Dept. of Statistics, Texas A&M Univ.). 07/01/2006 – 06/30/2012. Effort: 1.96-3.75%.
- **Subcontract-PI**: *Side Chain Driven Refinement of Protein Structure*, NIH NIGMS R01 GM081631 (PI Jerry Tsai, Dept. of Chemistry, Univ. of the Pacific). 07/01/2007 – 06/30/2010. Subcontract award: $\sim$ $175,000.

SOFTWARE NOT ASSOCIATED WITH PAPERS

- **xtable** — R package on CRAN to export tabular data into LaTeX and HTML tables.

INVITED PRESENTATIONS

- Bayesian Young Statisticians Meeting (BAYSM, Discussant, Virtual, November 2023)
- Classification Society Annual Meeting (Keynote address), Rochester, NY (June 2023)
- CMStatistics 2022, London, England (Virtual, December 2022)
- Florida State University, Department of Statistics, Tallahassee, FL (Virtual, November 2021)
- BNP-ISBA, Seminar Series of Bayesian Nonparametric Section of ISBA (Virtual, November 2021)
- Brigham Young University, Department of Statistics, Provo, UT (October 2021)
- International Society for Bayesian Analysis 2021 World Meeting, (Virtual, June 2021)
- CMStatistics 2020, London, England (Virtual, December 2020)
- Bayes Comp 2020, Gainesville, FL. (January 2020)
- CMStatistics 2019, London, England. (December 2019)
- Workshop of "Center for the Discovery of Structures in Complex Data," Pontificia Universidad Católica de Chile. (March 2019)
- Pontificia Universidad Católica de Chile, Department of Statistics. (January 2019)
- Joint Statistical Meetings, Vancouver, Canada (July 2018) [Topic Contributed]
- BIRS Workshop "Bayesian Nonparametric Inference: Dependence Structures and their Applications," Oaxaca, Mexico (December 2017).
- International Society for Bayesian Analysis 2016 World Meeting, Sardinia, Italy (June 2016)
- International Biometric Conference, Florence, Italy (July 2014)
- University of Wisconsin, Department of Statistics, Madison, WI (March 2014)
- Marquette University, Dept. of Mathematical and Statistical Sciences, Milwaukee, WI (March 2014)
- ISI 59th World Statistics Congress, Hong Kong (August 2013)
- ICERM Conference on Bayesian Nonparametrics, Brown University, Providence, RI (Sept. 2012)
- Joint Statistical Meetings, San Diego, CA (July 2012) [Roundtable Discussion]
- Interface 2012, Rice University, Houston, TX (May 2012)
- Statistical Science Seminar Series, Duke University, Durham, NC (January 2012)
- Joint Statistical Meetings, Miami, FL (August 2011)
- Eighth Workshop on Bayesian Nonparametrics, Veracruz, Mexico (June 2011)
- ENAR of the International Biometric Society, Miami, FL (March 2011)
- Joint Statistical Meetings, Vancouver, BC (August 2010)
- SAMSI Program on Semiparametric Bayesian Inference: Applications in Pharmacokinetics and Pharmacodynamics, Research Triangle Park, NC (July 2010)
- Joint Statistical Meetings, Washington, DC (August 2009)

- WNAR of the International Biometric Society, Portland, OR (June 2009)
- ENAR of the International Biometric Society, San Antonio, TX (March 2009)
- Brigham Young University, Provo, UT (December 2008)
- Classification Society Meeting, St. Louis, MO (June 2008)
- MD Anderson Cancer Center, Department of Biostatistics, Houston, TX (April 2008)
- ENAR of the International Biometric Society, Arlington, VA (March 2008)
- Joint Statistical Meetings, Salt Lake City, UT (August 2007)
- Third Erich L. Lehmann Symposium, Houston, TX (May 2007)
- First Annual Bioinformatics Workshop, College Station, TX (October 2006)
- Joint Research Conference on Statistics in Quality, Industry and Technology, Knoxville, TN (June 2006)
- University of Pennsylvania, Dept. of Biostatistics and Epidemiology, Philadelphia, PA (October 2005)
- Houston Area Chapter of the American Statistical Association, Houston, TX (September 2005)
- MD Anderson Cancer Center, Department of Biostatistics, Houston, TX (February 2005)
- "Second Workshop on Monte Carlo Method," Cambridge, MA (August 2004)
- "Nucleic Acid Technologies in Animal Health," College Station, TX (September 2004)

CONTRIBUTED PRESENTATIONS

- Bayesian Nonparametrics Networking Workshop 2023, Melbourne, Australia (December 2023)
- Joint Statistical Meetings, Toronto, Canada (August 2023)
- Symposium on Data Science and Statistics, St. Louis, MO (May 2023)
- Joint Statistical Meetings, Washington, DC (August 2022)
- userR! 2022, Virtual (June 2022)
- Joint Statistical Meetings, Denver, CO (August 2019)
- ISBA 2018 World Meeting on Bayesian Statistics, Edinburgh, UK (June 2018)
- Joint Statistical Meetings, Chicago, IL (August 2016)
- Joint Statistical Meetings, Seattle, WA (August 2015)
- 10th Conference on Bayesian Nonparametrics, Raleigh, NC (June 2015)
- Joint Statistical Meetings, Boston, MA (August 2014)
- Joint Statistical Meetings, Montréal, QC (August 2013)
- Joint Statistical Meetings, San Diego, CA (July 2012)
- ISBA 11th World Meeting on Bayesian Statistics, Kyoto, Japan (June 2012)
- Valencia / ISBA Ninth International Meeting on Bayesian Statistics, Benidorm, Spain (June 2010)
- "Frontiers of Statistical Decision Making and Bayesian Analysis," San Antonio, TX (March 2010)
- Joint Statistical Meetings, Denver, CO (August 2008)
- ENAR of the International Biometric Society, Atlanta, GA (March 2007)
- Joint Statistical Meetings, Seattle, WA (August 2006)
- IMS New Researchers Conference, Seattle, WA (August 2006)
- Valencia / ISBA Eighth International Meeting on Bayesian Statistics, Benidorm, Spain (June 2006)
- ENAR of the International Biometric Society, Tampa, Florida (March 2006)
- Joint Statistical Meetings, Minneapolis, MN (August 2005)
- UW-Madison, Department of Biostatistics and Medical Informatics, Madison, WI (January 2004)
- "Statistical Methods for Gene Expression: Microarrays and Proteomics", Minneapolis, MN (September 2003)
- "International Workshop on Bayesian Data Analysis," Santa Cruz, CA (August 2003)
- Joint Statistical Meetings, San Francisco, CA (August 2003)
- UW-Madison, Department of Biostatistics and Medical Informatics, Madison, WI (April 2003)
- Joint Statistical Meetings, New York, NY (August 2002)

SERVICE

- Co-Chair, Mini-Symposium on Statistical Computing in Action, 2023 & 2024. *Sponsored by the Section on Statistical Computing, ASA*.
- Program Chair, Section on Statistical Computing, American Statistical Association (2024).
- Member, Board of Directors, International Society for Bayesian Analysis (2021-2023).
- Chair, Department of Statistics, Brigham Young University (2022—).
- Chair, Savage Award Committee (2022), *This award is bestowed each year to two outstanding doctoral dissertations in Bayesian econometrics and statistics.*
- Mentor to New Faculty (Jared Fisher), Faculty Development Series, BYU (2022-2024).
- Member, Savage Award Committee (2021), *This award is bestowed each year to two outstanding doctoral dissertations in Bayesian econometrics and statistics.*
- Member, Rank and Status Committee, Dept. of Statistics, BYU (2016-2021).
- Member, Rank and Status Committee, College of Phys. and Math. Sciences, BYU (2019-2020).
- Chair, Computing Committee, Dept. of Statistics, BYU (2012-2017, 2020).
- External Referee for Ph.D. thesis of Tommaso Rigon, PhD Program in Statistics of Bocconi University, Italy. Advised by Antonio Lijoi and Igor Prünster.
- Graduate Coordinator, Department of Statistics, Brigham Young University (2018-2020).
- Review of CRC/Chapman & Hall Manuscript, "Probability and Bayesian Modeling" by Jim Albert and Jingchen Hu (2019)
- Associate Chair, Department of Statistics, Brigham Young University (2018-2020).
- Member, Savage Award Committee (2019), *This award is bestowed each year to two outstanding doctoral dissertations in Bayesian econometrics and statistics.*
- Mentor to New Faculty (Richard Warr), Faculty Development Series, BYU (2017-2019).
- NIH Study Section, Biostatistical Methods and Research Design (February 23-24, 2017).
- Program Committee, ENAR Spring Meeting, Washington, DC (2017).
- Chair, Mitchell Prize Committee (2017). *The Mitchell Prize is awarded in recognition of an outstanding paper that describes how a Bayesian analysis has solved an important applied problem.*
- Program Chair, Section on Bayesian Statistical Science, American Statistical Association (2016).
- President, Utah Chapter of American Statistical Association (2015-2016).
- Co-Editor, *Bayesian Analysis* (2013-2015).
- Mentor to New Faculty (Matthew Heaton), Faculty Development Series, BYU (2013-2015).
- Chair, Curriculum Computing Committee, Dept. of Statistics, BYU (2013-2014).
- Associate Editor, Reviews in *Journal of the American Statistical Association* and *The American Statistician* (2011-2013).
- Associate Editor, *Bayesian Analysis* (2009-2012).
- Member, Institute of Mathematical Statistics Committee on New Researchers (2009-2012).
- Member, Student Award Selection Committee, Section on Bayesian Statistical Science, American Statistical Association (2011).
- Vice-President, Southeast Texas Chapter of the American Statistical Association (2008-2011).
- Referee for *American Statistician*, *Annals of Applied Statistics*, *Bayesian Analysis*, *Bioinformatics*, *Biometrics*, *Biometrika*, *Biostatistics*, *Communications in Statistics*, *Electronic Journal of Statistics*, *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *International Conference on Artificial Intelligence and Statistics*, *Journal of Computational and Graphical Statistics*, *Journal of Machine Learning Research*, *Journal of the Royal Statistical Society: Series B*, *Journal of Statistical Planning and Inference*, *Journal of Statistical Software*, *Journal of the American Statistical Association*, *PeerJ Computer Science*, *Proceedings of the National Academy of Sciences*, *Statistical Modelling*, *Statistics and Computing*, and *Statistics in Medicine*

COURSE INSTRUCTION

- Brigham Young University:

STAT 121: Principles of Statistics	Fall ‘12
STAT 123: Introduction to R Programming	Fall ‘14, ‘15, Winter ‘15, ‘16
STAT 223: Applied R Programming	Fall ‘14, ‘15, Winter ‘15-‘18
STAT 230: Analysis of Variance	Spring ‘19, Fall ‘16, ‘21, Winter ‘20-‘22
STAT 340: Inference	Winter ‘13, ‘16, ‘17, Fall ‘13
STAT 624: Statistical Computations	Fall ‘13-‘16
STAT 651: Bayesian Methods	Fall ‘18-‘21, Winter ‘18, ‘23, ‘24

- Texas A&M University:

STAT 689: Introduction to Bayesian Analysis	Spring ‘11, Fall ’11
STAT 651: Statistics in Research I	Spring ‘05-‘07, Fall ‘04, ‘07-‘08
STAT 605: Advanced Statistical Computations	Spring ‘09, ‘10
STAT 604: Introduction to Statistical Computing	Fall ‘05-‘07
STAT 302: Statistical Methods	Fall ‘09-’10, Spring ‘10, ‘12

ADVISING

- Undergraduates mentored: Elissa Bailey (2022-2023), Samuel Johnson (2021-2022), Jacob Andros (2020-2021), Benjamin Anderson (2019-2020), Thomas Jensen (2019-2020), Devin Johnson (2018-2020), Jeremy Meyers (2018-2019), Spencer Newcomb (2018-2019), Brandon Carter (2016-2018), Floid Gilbert (2015-2017), Arthur Lui (2014), Richard Payne (2013)
- M.S. committees chaired: Jason Cook (2025), John Whetten (2024), Elissa Bailey (2024), Samuel Johnson (2023), Jacob Andros (2022), Devin Johnson (2021), Thomas Jensen (2021, with Richard Warr), Jeremy Meyers (2020, with Richard Warr), Spencer Newcomb (2020), Brandon Carter (2019), Floid Gilbert (2018), Nathan Bean (2017), Scott Ferguson (2016), Arthur Lui (2015), Deepthi Uppalapati (2012), Bryce Little (2011), Yiyi Wang (2009), Adarsh Joshi (2007, with Marina Vannucci)
- Ph.D. committees chaired: Yiyi Wang (2013, with Faming Liang), Kristin Lennox (2010), Adarsh Joshi (2010, with Valen Johnson), Jaesik Jeong (2008, with Marina Vannucci)

AWARDS

- Melvin W. Carter Professorship Award, Dept. of Statistics, BYU (2019-2024)
- Faculty Heritage Fellowship in Statistical Science, Dept. of Statistics, BYU (2014-2015)
- Travel Award, “Valencia / ISBA 8^{th} World Meeting on Bayesian Stat.,” Benidorm, Spain (June 2006)
- National Eye Institute Traineeship (tuition + stipend) in Biostatistics at UW-Madison (1999-2004)
- Ellis R. Ott Scholarship ($5000) from the American Society for Quality (1997)
- Research Award ($1000) from the BYU’s Office of Research and Creative Activities (1996)

PROFESSIONAL MEMBERSHIPS

- Institute of Mathematical Statistics (IMS)
- American Statistical Association (ASA) and Utah Chapter of the ASA
- International Society for Bayesian Analysis (ISBA)