

Cody Carroll

Curriculum Vitae

Department of Statistics
University of California, Davis
✉ cjcarroll@ucdavis.edu
additional information

Education

- 2015–Present **PhD in Statistics**, *University of California, Davis*.
Advisor: Hans-Georg Müller
- 2015–2017 **MS in Statistics**, *University of California, Davis*.
- 2011–2014 **BS in Mathematics**, *University of Texas, Austin*.

Research Interests

Functional and longitudinal data analysis– time warping models for multivariate functional data; density problems under the Wasserstein metric

Publications and Preprints

Under Revision

- 2019+ *Cross-component Registration for Multivariate Functional Data, with Application to Growth Curves*
C. Carroll, H. G. Müller, and A. Kneip
- 2019+ *Comparison of Diagnostic Predictors of Neonatal Survivability in Non-Domestic Caprinae*
T. N. Bliss, M. J. Marinkovich, R. E. Burns, **C. Carroll**, M. M. Clancy, and L. L. Howard

Ongoing Projects

- 2019+ *A Nonlinear Representation of Positive Multivariate Functional Data*
C. Carroll, H. G. Müller
- 2019+ *Mountaineers in an extreme environment: an update on effects of age and sex on rates of success and death on Mount Everest*
C. Carroll, R. B. Huey, R. Salisbury, J. L. Wang
- 2019+ *KPB DVH Predictions for Orbit Radiation Treatments*
B. Covele, K. Moore, **C. Carroll**, H. G. Müller
- 2019+ *Longitudinal Modeling of Cortical Thickness in Children*
C. Carroll, Y. Chen, H. G. Müller, S. Deoni

Presentations

Talks

- 2019 **NSF RTG Statistics Workshop Series**, *UC Davis*.

- 2018 **NSF RTG Symposium: Modern Tools for Statistics**, *UC Davis*.
2018 **Statistics Student-Run Seminar Series**, *UC Davis*.

Teaching

Instructor of Record

- Summer 2019 **STA 130B: Brief Course in Mathematical Statistics II**, (*class size: 50*).
Spring 2019 **STA 100: Applied Statistics for Biological Sciences**, (*class size: 200*).
Summer 2018 **STA 103: Applied Statistics for Business and Economics**, (*class size: 50*).

Teaching Assistant

- STA 100 (Applied Statistics for Biological Sciences: Su17)
- STA 103 (Applied Statistics for Business and Economics: F19)
- STA 108 (Applied Statistical Methods: Regression Analysis: F17)
- STA 131A (Introduction to Probability Theory: S18)
- STA 222 (Machine Learning in Survival Analysis: F18)
- STA 260 (Statistical Consulting: W18, W19, W20)

International Teaching

- 2014-2015 **ESL Teacher**, *Nishinomiya, Japan*.

Mentoring Experience

- 2017-2020 **NSF Research Training Group**, *Dept. of Statistics, UC Davis*, undergraduate project advising.
- *Warping methods for wearable device data*, with Hainiu Xu
 - *Functional regression for wearable device data*, with Phoebe Biying Li
 - *Geographic trends for functional housing price data*, with Yunbai Zhang
 - *Functional data analysis of blood glucose levels*, with Cynthia Lai
- 2020 **Mentor for Undergraduate Honors Thesis**.
Warping methods for wearable device data, by Hainiu Xu

Awards and Fellowships

- 2019 Excellence in Teaching Award
2017-2018 TA Recognition Award
2016-2019 Summer Statistics Research Fellowship Award
2015-2020 NSF Research Training Grant Recipient
2015-2018 UC Davis Graduate Scholars Fellowship

Reviewer Service

- Journal of the American Statistical Association
- Computational Statistics and Data Analysis

Technical skills

Advanced R, \LaTeX
Intermediate PYTHON, JULIA

Interests

- Piano
- Ceramics
- Hiking
- Saxophone
- Foreign Languages
- Meditation