Evan Kwiatkowski

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Work Experience

- **Rice University** — **Houston, TX**
  Postdoctoral Research Associate – Department of Statistics — Oct 2021 - present
- **MD Anderson Cancer Center** — **Houston, TX**
  Visiting Postdoctoral Scholar – Department of Biostatistics — Oct 2021 - present
- **University of Florida** — **Gainesville, FL**
  Research Statistician – Department of Epidemiology — Jan 2015 – Aug 2016

Education

- **University of North Carolina at Chapel Hill** — **Chapel Hill, NC**
  PhD Biostatistics — December 2021
- **University of Colorado Denver** — **Denver, CO**
  MS Applied Mathematics — May 2014
- **Binghamton University** — **Vestal, NY**
  BS Mathematical Sciences — May 2011

Academic Experience

- **University of North Carolina at Chapel Hill** — **Chapel Hill, NC**
  Research Assistant – Collaborative Studies Coordinating Center — Aug 2016 – Dec 2021
  Research Assistant – Department of Genetics
- **University of Colorado Denver** — **Denver, CO**
  Research Assistant – Data Assimilation in Scientific Computing — Aug 2011 – May 2014
  NSF Fellow – GK-12 Transforming Experiences
  Lynn Bateman Memorial Teaching Fellowship

Honors and Awards

- **University of Colorado Denver** — **Denver, CO**
  College of Liberal Arts and Sciences Outstanding Graduate Student — May 2014
- **Binghamton University** — **Vestal, NY**
  Helen P. Beard Award for Excellence in Undergraduate Mathematics — May 2011
  Award for Excellence in Mathematical Sciences
  Sigma Alpha Lambda
  Magna Cum Laude

Publications

Kwiatkowski, E., Zhu, J., Li, X., Pang, H., Lieberman, G., Psioda, M. A. *Case Weighted Adaptive Power Priors for Hybrid Analyses with Time-to-Event Data.* (In preparation).

Kwiatkowski, E., Andraca-Carrera, E., Soukup, M., & Psioda, M. A. A Structured Framework for Bayesian Sequential Monitoring in Clinical Trials. *Journal of Biopharmceutical Statistics.* (Accepted, in press.)

Sales, J. M., Escoffery, C., Hussen, S. A., Haddad, L. B., McCumber, M., **Kwiatkowski, E**., Filipowicz, T., Sanchez, M., Psioda, M. A., & Sheth, A. N. (2021). Pre-Exposure Prophylaxis Implementation in Family Planning Services across the Southern United States: Findings from a survey among staff, providers and administers working in Title X-funded Clinics. *AIDS and Behavior*.

Young, H. W., Martin, E. T., **Kwiatkowski, E**., Tyndall, J. A., & Cottler, L. B. (2020). The Association between Emergency Department Super-Utilizer Status and Willingness to Participate in Research. *Emergency Medicine International*. https://doi.org/10.1155/2020/9404293

Bangma, J. T., **Kwiatkowski, E**.†, Psioda, M., Santos, H. P., Hooper, S. R., Douglass, L., Joseph, R. M., Frazier, J. A., Kuban, K. C. K., O'Shea, T. M., & Fry, R. C. (2019a). Early life antecedents of positive child health among 10-year-old children born extremely preterm. *Pediatric Research*. https://doi.org/10.1038/s41390-019-0404-x
†co-first author

Bangma, J. T., **Kwiatkowski, E**., Psioda, M., Santos, H. P., Hooper, S. R., Douglass, L., Joseph, R. M., Frazier, J. A., Kuban, K. C. K., O'Shea, T. M., & Fry, R. C. (2019b). Understanding positive child health. In *Pediatric Research*. https://doi.org/10.1038/s41390-019-0564-8

Sales, J. M., Escoffery, C., Hussen, S. A., Haddad, L. B., Phillips, A., Filipowicz, T., Sanchez, M., McCumber, M., Rupp, B., **Kwiatkowski, E**., Psioda, M. A., & Sheth, A. N. (2019). Pre-Exposure Prophylaxis Integration into Family Planning Services at Title X Clinics in the Southeastern United States: A Geographically-Targeted Mixed Methods Study (Phase 1 ATN 155). *JMIR Research Protocols*, *8*(6), e12774–e12774. https://doi.org/10.2196/12774

Sjöberg, Y., Gomach, S., **Kwiatkowski, E**., & Mansoz, M. (2019). Involvement of local indigenous peoples in arctic research — expectations, needs and challenges perceived by early career researchers. *Arctic Science*. https://doi.org/10.1139/as-2017-0045

Striley, C. W., Milani, S. A., **Kwiatkowski, E**., DeKosky, S. T., & Cottler, L. B. (2019). Community perceptions related to brain donation: Evidence for intervention. *Alzheimer's and Dementia*. https://doi.org/10.1016/j.jalz.2018.09.005

Bangma, J. T., **Kwiatkowski, E**.†, Psioda, M., Santos, H. P., Hooper, S. R., Douglass, L., Joseph, R. M., Frazier, J. A., Kuban, K. C. K., O'Shea, T. M., & Fry, R. C. (2018). Assessing Positive Child Health among Individuals Born Extremely Preterm. *Journal of Pediatrics*. https://doi.org/10.1016/j.jpeds.2018.06.037
†co-first author

Cottler, L. B., Striley, C. W., Elliott, A. L., Zulich, A. E., **Kwiatkowski, E**., & Nelson, D. R. (2017). Pragmatic trial of a Study Navigator Model (NAU) vs. Ambassador Model (N+) to increase enrollment to health research among community members who use illicit drugs. *Drug and Alcohol Dependence*. https://doi.org/10.1016/j.drugalcdep.2016.12.031

Varma, D. S., Hart, M., McIntyre, D. S., **Kwiatkowski, E**., & Cottler, L. B. (2016). A Research Protocol to Test the Effectiveness of Text Messaging and Reminder Calls to Increase Service Use Referrals in a Community Engagement Program. *JMIR Research Protocols*. https://doi.org/10.2196/resprot.5854

Kwiatkowski, E., & Mandel, J. (2015). Convergence of the square root ensemble kalman filter in the large ensemble limit. *SIAM-ASA Journal on Uncertainty Quantification*.

Technical Papers

Kwiatkowski, E. SESUG Paper 189-2018. Automated Comparison Tables using PROC REPORT.
  https://www.lexjansen.com/sesug/2018/SESUG2018_Paper-189_Final_PDF.pdf

Kwiatkowski, E., Crooke, H., Roggenkamp, K. SESUG Paper 140-2017. Backward Variable Selection
  for Logistic Regression Based on Percentage Change in Odds Ratio.
  https://www.lexjansen.com/sesug/2017/CC-140.pdf

Contributed Oral Presentations

- A Structured Framework for Adaptively Incorporating External Evidence in Sequentially
  Monitored Clinical Trials. *Society for Clinical Trials Annual Meeting*. May 17, 2022. San
  Diego, CA.

- Case Weighted Adaptive Power Priors for Hybrid Analyses with Time-to-Event Data.
  ENAR Spring Meeting. March 29, 2022. Houston, TX.

- Case Weighted Adaptive Power Priors for Hybrid Analyses with Time-to-Event Data.
  *Expert Workshop on Hybrid Designs – Genentech/University of North Carolina at Chapel
  Hill.* November 16, 2021. Chapel Hill, NC.

- A Structured Framework for Bayesian Sequential Monitoring in Clinical Trials. *Joint
  Statistical Meetings.* August 18, 2021. Virtual Conference.

- Use of Hybrid Control Arms with Adaptive Power Priors for Time-to-Event Data. *External
  Control Community Forum – Genentech.* July 29, 2021. Virtual Presentation.

- Using Multiple Imputation to Account for Uncertainty in Summary Scores Derived from
  Likert Scale Survey Items. *Joint Statistical Meetings.* August 6, 2020. Virtual Conference.

- Constructing Hybrid Control Arms in Randomized Trials Using Real-World Data Based
  on a Power Prior with Control-Specific Discounting Parameters. *NABF+PDP Joint
  Seminar – Genentech.* June 18, 2020. Virtual Presentation.

- Automated Comparison Tables using PROC REPORT. *SouthEast SAS Users Group
  Annual Conference.* October 16, 2018. St. Pete Beach, FL.

- Backward Variable Selection for Logistic Regression based on Percentage Change in Odds
  Ratio. *SouthEast SAS Users Group Annual Conference.* November 6, 2017. Cary, NC.

- Convergence of the Unbiased Square Root Kalman Filter in the Large Ensemble Limit.
  SIAM Conference on Uncertainty Quantification. March 31, 2014. Savannah, GA.

- Convergence of the Unbiased Square Root Kalman Filter in the Large Ensemble Limit.
  Front Range SIAM Student Conference. March 1, 2014. Denver, CO.

- Minimal Dynamical Systems on Cantor Spaces. *AMS Eastern Sectional Meeting.* October
  2, 2010. Syracuse, NY.

Poster Presentations

- Use of Hybrid Control Arms with Adaptive Power Priors for Time-to-Event Data. *ASA Biopharmaceutical Section Regulatory-Industry Statistics Workshop.* September 22, 2021. Virtual Conference.

- Convergence Concepts in Data Assimilation. *CU Denver Research and Creative Activities Symposium.* April 25, 2014. Denver, CO.

- Minimal Dynamical Systems on Cantor Spaces. *Joint Mathematical Meeting.* January 8, 2011. New Orleans, LA.

Teaching Experience

Teaching Assistant

• **University of North Carolina at Chapel Hill**	**Chapel Hill, NC**
BIOS 767 – Longitudinal Data Analysis	Spring 2021
BIOS 511 – Introduction to Statistical Computing & Data Management	Fall 2019; Fall 2018
• **University of Colorado Denver**	**Denver, CO**
PhD Preliminary Exam in Applied Analysis – Review Instructor	Winter 2014
MATH 1401 – Calculus I	Spring 2012
MATH 1100 – College Algebra	Fall 2011

Grader

• **University of Colorado Denver**	**Denver, CO**
MATH 3200 – Elementary Differential Equations	Spring 2014
MATH 4310 – Introduction to Real Analysis I	Fall 2011

Guest Lecturer

• **Rice University**	**Houston, TX**
STAT 453/553 – Introductory Biostatistics	Spring 2022
• **University of Colorado Denver**	**Denver, CO**
MATH 3800 – Probability and Statistics for Engineers	Spring 2014
MATH 4320 – Introduction to Real Analysis II	Spring 2012

Teaching in the Community

• **University of Colorado Denver**	**Denver, CO**
Sphere Packings and Coverings – Jefferson County Campus Visit	Fall 2013

Service

• **University of Colorado Denver**	**Denver, CO**
Graduate Committee – Student Member	2013 – 2014
CLAS Dean's Student Advisory Council	2013 – 2014
SIAM Student Chapter – President, Treasurer	2012 – 2014

Skills

- R, SAS, MATLAB, WinBUGS, STAN, Python, AMPL, UNIX, REDCap, MS Excel, MS Access