

Andrew Kampfschulte, MS

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RESEARCH EXPERIENCE

OCTOBER 2018 <i>Current</i>	Senior Biostatistician/Epidemiologist <i>Spectrum Health Office of Research & Education</i> Acted as primary statistical support for intrernal research projects. Consulted & collaborated on grant applications, study design, protocol development, analytical end-points, and manuscripts with research physicians, scientists, and medical residents. Developed and delivered lectures on basic statistics and study design for research staff. Mentored biostatistics and epidemiology graduate students. Contributed to research projects with external collaborators.
AUGUST 2016 OCTOBER 2018	Clinical Biostatistician <i>Innovative Analytics</i> Served as primary statistician for phase I and medical device trials, and secondary statistician for phase II & III trials. Developed appropriate tables, listings, and figures for compliance with FDA submissions. Authored and peer-reviewed statistical analysis plans for clinical studies. Vetted study protocols for preparing project bids. Provided ad-hoc consulting for non-clinical research. Validated phase I-III clinical trial results using SAS. Developed power & sample size macros in SAS for clinical trials simulations.
JANUARY 2015 JANUARY 2016	Biostatistics Associate <i>Innovative Analytics</i> Acted as primary statistical support for senior level scientists analyzing valuable laboratory assay data from around the globe, complying with FDA, USP, and ICH guidelines. Consulted on, outlined, and organized statistical analyses of various data related to laboratory compliance and product formulation. Organized, programmed, and established an electronic data capture system for pilot manufacturing facility using JSL scripting language. Utilized a wide array of statistical techniques to performing innovative analyses on manufacturing, laboratory, and sales data. Communicated complex statistical interpretations in clear, non-technical terms to wide range of company personnel.

TEACHING EXPERIENCE

JANUARY 2017 <i>May 2020</i>	Adjunct Faculty, Statistics <i>Grand Valley State University</i> Instructed 1-2 virtual and non-virtual sections of introductory statistics courses per semester. Wrote syllabi in Markdown and L ^A T _E X. Independently developed novel lecture material in RMarkdown. Utilized R & RMarkdown to generate question pools and automatically compile randomized exams.
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EDUCATION

<i>Current</i>	PhD in POPULATION, HEALTH, AND PLACE University of Southern California , Los Angeles, CA
APRIL 2016	Master of Science in BIOSTATISTICS Grand Valley State University , Allendale, MI
DEC 2013	Bachelor of Science in BIOLOGY Grand Valley State University , Allendale, MI

PUBLICATIONS

- Kampfschulte, A., Oram, M., Escobar Vasco, A. M., Essenmacher, B., Herbig, A., Behere, A., ... Rajasekaran, S. (2021). Understanding suicide in our community through the lens of the pediatric icu: An epidemiological review (2011–2017) of one midwestern city in the us. *Children*, 8(2), 59.
- Shoemaker, M. J., Kampfschulte, A., Rustmann, S., & Dickinson, M. G. (2021). Dynamic factor analysis of seasonal variation in daily physical activity in individuals with heart failure and implanted cardiac devices. *Heart & Lung*, 50(6), 754–762.
- Leimanis-Laurens, M., Gil, D., Kampfschulte, A., Krohn, C., Prentice, E., Sanfilippo, D., ... Rajasekaran, S. (2021). The feasibility of studying metabolites in picu multi-organ dysfunction syndrome patients over an 8-day course using an untargeted approach. *Children*, 8(2), 151.
- Beuschel, J., Geyer, H., Rich, M., Leimanis, M., Kampfschulte, A., VanSickle, E., ... Bupp, C. (2021). Leveraging rapid genome sequencing to alter care plans for pediatric patients in a community hospital setting in the united states. *The Journal of Pediatrics*, 239, 235–239.
- Kelbel, T., Kampfschulte, A., & Hartog, N. (2019). Institution of clinic scheduling guidelines for early introduction of peanut in high risk infants. *Annals of Allergy, Asthma & Immunology*, 123(6), 602–603.

CONFERENCE PRESENTATIONS

- Miller, R. K., & Kampfschulte, A. (2021). *Trends in firewise USA: Grassroots engagement in a wildfire mitigation program in california*. AGU Fall Meeting.
- Kampfschulte, A. (2021). *Changes in population: Pandemic evaluation registry*. Grand Rapids Citywide Research Day.
- Kampfschulte, A. (2015). *Using JMP as a common language to interpret lab-to-lab data: A first-time jmp user's perspective*. JMP Discovery Summit.
- Kampfschulte, A. (2016). *Using JMP to organise, manage, and analyse team rosters and practice data from local swim teams: An alternative to traditional software*. JMP International Discovery Summit.

COMPUTER SKILLS

- Programming: R statistical programming, RMarkdown, SAS, *JMP* Scripting Language (JSL), MSSQL, HTML, \LaTeX
- Software: RSTUDIO, SAS Enterprise Guide, JMP, SPSS, SatScan, RedCap, Git-Bash, PASS, G-Power, LibreOffice Suite, Epic Cogito & SlicerDicer, Microsoft Word, Microsoft Excel, Microsoft PowerPoint