

# Calvin Lutz

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## Experience

### **Integrated Data Analyst, *UPMC***

January 2018 to Current

- Currently manage a team of two integrated data analysts
- Work with a variety of data sources to effectively profile and manage a client's employee population and their utilization of benefits.
- Developed advanced statistical models to help predict key events of interest to the organization, including unscheduled care, voluntary termination, and utilization of lost-time benefits.
- Designed and maintain reporting to support organization-wide efforts to manage employee Covid-19 exposures and related mandatory quarantines.
- Promoted to Manager, Integrated Analytics in February 2025.
- Perform quality assurance and other ad-hoc analytics on various sources of client and book of business data.

### **Business Analyst II, *Management Science Associates Inc.***

June 2016 to January 2018

### **Statistical Consultant**

January 2016 to Current

- Worked in partnership with the School of Nursing at Duquesne University on a grant-funded study of dietary systems for bariatric surgery patients to maximize weight loss, as well as various research work conducted by Nursing PhD students and faculty.
- Worked on a grant-funded study with the Einstein Medical Center Montgomery (Philadelphia, PA) examining effectiveness of obstetric crisis simulations on improving clinical skills.
- Work with DNP students at the University of Pittsburgh on the analytical portions of their capstone degree project. Helped students to craft statistical results into understandable portions of manuscripts.
- Provided analytical consulting on published papers in medical-related fields.

### **Instructor, *University of Pittsburgh***

January 2016 to Current

- Teach twice weekly lectures of 90 students in an introductory applied statistics course for undergraduate students.
- Design lesson plans for this course, as well as homework, quizzes and exams.
- Work with a teaching assistant to guide students through the course material.

## Education

### **M.A. Applied Statistics, *University of Pittsburgh***

August 2014 to April 2016

- Focused on the applications of statistical methods and how to gain insight on both low and high dimensional data sets.
- Solved complex statistical problems using computer software, including SAS and R.
- Gained firsthand statistical consulting experience through a unique course offered through the Statistics department. Worked with both students and faculty on a wide-range of topics and types of research (capstone course projects, manuscript publication, grant-research).

### **B.A. Economics, *Kenyon College* (Gambier, Ohio)**

August 2010 to May 2014

- Minored in Statistics.

## Publications

- Kronk, R., Kalarchian, M., & Lutz, C. (2024). Impact of a professional development course for doctoral nurses and students on genomic conceptual knowledge and competencies. *Nurse Educator*, 10-1097.
- Spigelmyer, P. C., Kalarchian, M., Lutz, C., & Brar, P. (2023). Mindfulness Self-Compassion: Helping family caregivers cope with cognitive behaviors of dementia. *Journal of Holistic Nursing*, 41(2), 118-129.
- Ruscetti, A., Chrisman, M., Wagester, S., Smith, P., O'Hare, C., Mallon, A., ... & Snyder, G. M. (2022). Healthcare personnel early return-to-work program after higher-risk SARS-CoV-2 exposure: a learning health system quality improvement project. *American Journal of Infection Control*, 50(5), 542-547.
- Busquets, M. A., Lutz, C. T., & Zhao, T. (2020). Management of Cystoid Macular Edema After Vitrectomy for Proliferative Vitreoretinopathy. *Ophthalmic Surgery, Lasers and Imaging Retina*, 51(8), 436-443.
- Dunworth, B. A., Sandberg, W. S., Morrison, S., Lutz, C., & Wanderer, J. P. (2018). Implementation of acceleromyography to increase use of quantitative neuromuscular blockade monitoring: A quality improvement project. *AANA journal*, 86(4), 269-277
- Lutz, C., & Wanderer, J. P. (2018). Implementation of acceleromyography to increase use of quantitative neuromuscular blockade monitoring: A quality improvement project. *AANA journal*, 86(4), 269-277.
- Suzanne Morrison, D. N. P., & Lutz, C. (2018). Using evidence-based best practices of simulation, checklists, deliberate practice, and debriefing to develop and improve a regional anesthesia training course. *AANA journal*, 86(2), 119-126
- Easton, A., O'Donnell, J. M., Morrison, S., & Lutz, C. (2017). Development of an Online, Evidence-Based CRNA Preceptor Training Tutorial (CPiTT): A Quality Improvement Project. *AANA Journal*, 85(5).
- Kalarchian, M. A., Marcus, M. D., Courcoulas, A. P., Lutz, C., Cheng, Y. and Sweeny, G. (2016), Structured dietary intervention to facilitate weight loss after bariatric surgery: A randomized, controlled pilot study. *Obesity*, 24: 1906-1912.