

Academic appointment

Education

B.S. in Statistics and Mathematics
Makerere University - Kampala, Uganda

Research interests

Research experience

Research Assistant- Leader in Me Program evaluation data, University of Houston Spring 2019-Fall 2019

- Analyzing and modeling large scale data of multilevel structure using MPLUS, R, SPSS and SAS.
- Article search and literature review compiling

Research Assistant- Psychological and learning sciences department, University of Houston Summer 2017

- Cleaning and analyzing data using SPSS.
- Searching for articles for literature review

Teaching experience

Assistant professor- Virginia State University (Statistics and Research Methods) Fall 2022-Present
 Teaching assistant – University of Houston Fall 2017- Spring 2019
 Graduate subjects: Research methods, inferential statistics,
 Undergraduate subjects: Elementary health of a child, understanding and applying theories of health behavior and medical terminology.

- Grading exams, discussions and tests for over 100 students
- Scheduling exams, test and discussions for over 100 students
- Responding to students inquiries
- Managing online teaching platform (blackboard) for over 100 students

Selected Publications (<https://scholar.google.com/citations?user=n-zBQ1QAAAAJ&hl=en>)

- Kuno, C. B., Frankel, L., Ofosuhen, P., & Keen II, L. (2024). Validation of the Adult Eating Behavior Questionnaire (AEBQ) in a young adult Black sample in the US: Evaluating the psychometric properties and associations with BMI. *Current Psychology*, 1-14.
- Sampige, R., Kuno, C., & Frankel, L. A. (2022). Mental health matters: Parent mental health and children's emotional eating. *Appetite*, 106317.
- Frankel, L.A., Kuno, C.B. & Sampige, R. The relationship between COVID-related parenting stress, nonresponsive feeding behaviors, and parent mental health. *Curr Psychol* (2021). *** Futured in the science daily, Hindu Times and National Geographic (15 media outlets in total)
- Kuno, C. B., Hein, S, Frankel, L & Kim, H. J. (2021). Children's schooling status: Household and individual factors associated with school enrollment, non-enrollment and dropping out among Ugandan children. *International Journal of Educational Research Open*, Volumes 2–2, 100033, ISSN 2666-3740, <https://doi.org/10.1016/j.ijedro.2021.100033>.
- Frankel, L. A., & Kuno, C. B. (2019). The moderating role of parent gender on the relationship between restrictive feeding and a child's self-regulation in eating: Results from mother-only samples may not apply to both parents. *Appetite*, 143, 104424.

Manuscripts under review

- Kuno, C B, Frankel, L.A, Olvera, Norma E, Wiesner Margit F and Kim Hanjoe (2023, under review). A latent class analysis of educational, emotional, and behavioral problem outcomes. *Methods in Psychology*
- Keen, L.D, **Kuno, C.B**, Emma Quarles (2023, under review). Substance Use Patterns among HBCU Undergraduate Students: A Latent Class Analysis. *Drug and Alcohol Dependence*
- Caroline Bena Kuno, Samuel J. West- Brian Sayre, Cheryl Talley. (2024, under review). Analysis of a PVEST-informed Intervention using Psychometric Networks. *Methods in Psychology*

Manuscripts in development review

- Kuno, C B, Olvera, Norma E, Wiesner, Margit F, Frankel, Leslie A, Kim, Han Joe. The association between weight status and latent class analysis identified groups of children based educational, emotional, and behavioral problem outcomes
- Application of Supervised Learning technique of data mining; Random Forest Variable Importance: Identifying factors associated with Condom among 15-49 years of age Ugandan women.
- The impact of children's food allergy status (FA) on Feeding Practices using ECHO data

Selected Conference Presentations

- Caroline Bena Kuno (2023). *Application of Latent class analysis to identify subgroups in the 2018 National survey of children's Health (NSCH) data*. APA annual conference, August, 2023.
- Caroline Bena Kuno (2023). *A person oriented statistical approach of examining children's educational, emotional and behavioral problems*. APS annual conference, May, 2023
- Leslie A. Frankel, Ph.D.¹, Caroline Bena Kuno, MPP¹, Ritu Sampige² (2021) *The Relationship Between COVID-Related Parenting Stress, Nonresponsive Feeding Behaviors, and Parent Mental Health*. APA annual conference, 2021
- Dogan, B., Kuno, C., Zhang, J. (2021, Apr 17 - 21) *K-12 Students' Perceptions of 21st Century Skills, Self-Efficacy, Creative and Computer Self-Efficacy After Participating in Digital Storytelling Contests (DISTCO)*. [Paper Session]. AERA Annual Meeting Virtual.
- Zhang, J., Bena Kuno, C., Kharabi-Yamato, L., Norman, A. D., Schroeder, A., Redifer, J., Houchens, G. W., Chon, K. & Miller, S. K. (2020, Apr 17 - 21) *The Impact of a Large-Scale District Initiative on Student Engagement in Kindergarten to Third Grade: Four-Year Results* [Roundtable Session]. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/rk3vd9f> (Conference Canceled)
- Kuno, C.B., Frankel, L. A (2019, November). *The Relationship Between Restrictive Feeding and Self-Regulation in Eating Among Children: The Moderating Effect of Parental Gender*. Poster presented at National Council on Family Relations Conference, Fort Worth, TX.
- Frankel, L. A., Lephuoc, K., Kuno, C.B., Hughes, K.R., Jansen, E. (2018, March). *The Relationship between Parent Mental Health and Parent Feeding of Young Children*. Poster presented at The Society for Research in Human Development Conference, Plano, TX.
- Janeen Antonelli, Sara Jones, Andrea Burrridge, & Caroline Bena Kuno (2018, April, 15). *Optimizing Possibilities for Diverse College Student Populations: Exploring Differential Impacts of a Self-Regulated Learning Course*. Poster presented at the American Educational Research Association Annual Conference, New York.
- Lephuoc, K., Kuno, C.B., Frankel, L. (2017). *Impact of Depression on Parent Feeding Practices*. Poster presented at undergraduate research day, University of Houston

Grants

NSF funded grant: The HBCU Center for Math Education & Research

Duration: 3 years

Amount: \$2.9 million

Role: Research Statistician

NIH pending grant: Determining the Association between Multiple Dimensions of Structural Racism, Executive Function, and Cannabis Use Among African Americans

Role: Co-investigator.

Submitted NSF grant: Forwarding Racial Equity and Engagement in STEM

Role: Senior personnel

Honors and Awards

CCETTER Scholar

Present

Provost conference Travel award

Spring 2023

Graduate tuition fellowship

Fall 2017-Spring 2022

First author paper grant

Spring 2021

Kappa Alpha Educational Advancement Foundation,
graduate scholarship

Fall 2015

Academic Professional Membership Associations

Association for Women in Science American Statistical Association

American psychological association

American Educational Research Association

Relevant Certifications

Scientific Programming with Python

August 2021

Hewlett Packard Enterprise Data science institute, University of Houston

Data Visualization using Paraview and Tableau

August 2021

Hewlett Packard Enterprise Data science institute, University of Houston

Principles of Data Management

August 2021

Hewlett Packard Enterprise Data science institute, University of Houston

Introduction to Machine Learning

August 2021

Hewlett Packard Enterprise Data science institute, University of Houston

Introduction to Cluster Computing: Linux shell, scripting, queuing systems, cluster architecture

August 2020

Hewlett Packard Enterprise Data science institute, University of Houston

R for data science

August 2020

Hewlett Packard Enterprise Data science institute, University of Houston

Certificate of appreciation

March 2017

Research Innovative Technology Solutions to problems of Poverty

The Data Scientist's Toolbox

July 2016

Coursera Course Certificates

Languages

English (Official language)

Swahili (conversational level)

Ngakarimjong-Karamojong (Native)