

Curriculum Vitae

Dr. HARESH ROCHANI

501 Forest Drive · Jiann-Ping Hsu College of Public Health · Georgia Southern University · Statesboro · Georgia
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Education

PERIOD	August 2010 — May 2014	
DEGREE	Doctor of Public Health with Bio-Statistics (DrPH)	
UNIVERSITY	Georgia Southern University	Statesboro, Georgia

PERIOD	January 2008 — Summer 2010	
DEGREE	Master of Public Health (MPH)	
UNIVERSITY	Georgia Southern University	Statesboro, Georgia

PERIOD	September 2002 — March 2007	
DEGREE	Bachelor of Medicine & Surgery (MBBS)	
UNIVERSITY	Maharaja Sayajirao University	Gujarat, India

Award

Award for excellence in Scholarship at Jiann Ping Hsu College of Public Health, 2018

Technical Skills

HPC cluster computing, SAS, R , SPSS, Microsoft & MAC

Licensure / Certifications

ECFMG Certified
Independent Applying the QM Rubric (APPQMR) Certificate
Peer Review Course Certificate (PRC) by Quality Matters
Registered with Gujarat Medical Council Ahmedabad
CITI Health Information Privacy and Security (HIPS) Certificate

Teaching Experience at Georgia Southern University

PERIOD	August 2014 — Present	
JOB TITLE	Assistant Professor of Bio-statistics	
CLASSES	Scientific Basis of Public Health (Doctorate level)	
	Data Management for Bio-statistics (Master level)	
	Analysis with Missing Data (Doctorate level)	
	Biostatistics (Master level)	
	Categorical Data Analysis (Master level)	
	Applied Long Data Analysis (Doctrate level)	
	Topics of Inference in Biostatistics (Master level)	

PERIOD	August 2012 — May 2014	
JOB TITLE	Teaching Assistant	
CLASSES	Advanced Topics In Bio-Statistics (Doctrate level)	
	Bio-Statistics (Master level)	

Directed Individual Studies

Applied Longitudinal Data (Master Level) (Spring 2015) (Sarbesh Pandaya)
Statistical Analysis with SAS (Master Level) (Spring 2015) (Gloria Barnett)

Public Health Internship Experience

PERIOD	January 2010 — May 2010
JOB TITLE	Researcher
EMPLOYER	Magnolia Coastland Area Health Education Center Statesboro, Georgia

Created Data set for mental health workforce for Magnolia coastland region.
Analyzed and made a report for mental health workforce data.
Helped staff for their poster presentations.

Clinical Internship Experience

PERIOD	April 2006 — March 2007
JOB TITLE	Intern Doctor
EMPLOYER	S.S.G. Hospital & Jamnabai Hospital Gujarat, India

Diagnosed and recommended medical treatment for patients.
Assisted doctors and nurses with patient Out Patient Departments (OPD) and Clinical Wards.
Referred patients to specialists for medical attention.
Assisted and Worked in ER (Emergency Room) with Physicians and Residents.

Accepted Articles

1. Kiely, K., Mase, W., Melton, B., & **Rochani, H.** (2021) Campus Recreation Center and Fitness Program Utilization During COVID-19. *Journal of the Georgia Public Health Association*
2. Shah, G., **Rochani, H.**, Telfair, J., Ayangunnah, E. & Skuraton, G. (2021). College Students' Experiences of Race-Related Bias or Hatred in their Lifetimes and COVID-19 Era *Journal of Public Health Management & Practice*.
3. Samawi, H., Yin, J., **Rochani, H.**, Mo, C. & Kersey, J. Vogel (2021). Post-test diagnostic accuracy measures of a continuous test with a disease of ordinal multi-stages *Statistics in Biopharmaceutical Research*.
4. Samawi, H., Kersey, J., Yin, J., Mo, C. & **Rochani, H.** New Post-test diagnostic accuracy measures of a continuous test based on the average predictive values *Statistics in Biopharmaceutical Research*
5. Johsom, K., Bennett, C., & **Rochani, H.** (2020). Significant Improvement of Somatic Symptom Disorder with Brief Educational Intervention by PMHNP in Primary Care *Journal of the American Psychiatric Nurses Association*

Book Chapter

Rochani, H., & Linder, D. F. (2017). Markov Chain Monte-Carlo Methods for Missing Data Under Ignorability Assumptions. In Monte-Carlo Simulation-Based Statistical Modeling (pp. 129-142). Springer, Singapore.

Peer-reviewed Articles

1. Richmond, H., Tome, J., **Rochani, H.**, Isaac, F., Shah, G. & Schwind, J (2020). The use of penalized regression analysis to identify county-level demographic and socioeconomic variables predictive of increased COVID-19 cumulative case rates in the state of Georgia. *International Journal of Environmental Research and Public Health*, 17 (21), 8036
2. Samawi, H. M., Zhang, X., & **Rochani, H.** (2020). Further Improving the Performance of Logistic Regression Analysis Using Double Extreme Ranking. *Journal of Statistical Theory and Practice*, 14(1), 17.
3. Asli, A., **Rochani, H.**, Oghenekpaabor, O., Edward, D., Kendall, W., Dotherow, E., Anderson, K., Beslin, C., Chapman, A., Brown, A., Ampofo-Yeboah, A., & Evans, A. (2020). Sources of microbiological contamination in sachet water from Ghana *Journal of Water, Sanitation and Hygiene for Development*, 10(2), 202-208

4. Samawi, H., Yin, J., Zhang, X., Yu, L., **Rochani, H.**, Vogel, R. & Mo, C. (2020). Kullback-Leibler Divergence for Medical Diagnostics Accuracy and Cut-point Selection Criterion: How it is related to the Youden Index. *Journal of Applied Bioinformatics & Computational Biology*, 9(2).
5. Samawi, H. M., Yu, L., **Rochani, H.**, & Vogel, R. (2020). Reducing sample size needed for cox-proportional hazards model analysis using more efficient sampling method. *Communications in Statistics-Theory and Methods*, 49(6), 1281-1298.
6. Helu, A., Samawi, H., **Rochani, H.** & Yin, J. (2020) Kernel Density Estimation based on Progressive Type-II Censoring. *Journal of the Korean Statistical Society*, 49, 475-498.
7. Carole Bennett, & **Rochani, H.** (2019). Treatment Adherence in Youth with First-Episode Psychosis: Impact of Family Support and Telehealth Delivery 40(11). *Journal Issues in Mental Health Nursing*.
8. Helu, A, Samawi, H. , & **Rochani, H.**. Further Increasing Fisher's Information for Parameters of Association in Accelerated Failure Time Models via Double Extreme Ranks.15(3) *Pakistan Journal of Statistics and Operation Research*.
9. Sullivan, K., **Rochani, H.**, Huang, L., Donley, D. & Zhang, J. (2019) Adverse Childhood Experiences and Short Sleep Duration up to 50 Years Later.42(7) *Journal of Sleep*
10. Carole Bennett, Ellen Hamilton & **Rochani, H.** (2019). Exploring Racism in Nursing: Strategies for Teaching Nursing Students about Race through an Historical Lens 24(2) *The Online Journal of Issues in Nursing*
11. Klibert, J., **Rochani, H.**, Samawi, H., Leleux-LaBarge, K., & Ryan, R. (2019). The Impact of an Integrated Gratitude Intervention on Positive Affect and Coping Resources. *International Journal of Applied Positive Psychology*, 3(1-3) 23-41.
12. Samawi, H., **Rochani, H.**, Yin, J., & Vogel, R. (2019). On Kernel-Based Mode Estimation Using Different Stratified Sampling Designs. *Journal of Statistical Theory and Practice*, 13(2), 30.
13. Sevilimedu, V., Yu, L., Samawi, H., & **Rochani, H.** (2019). Application of the Misclassification Simulation Extrapolation Procedure to Log-Logistic Accelerated Failure Time Models in Survival Analysis. *Journal of Statistical Theory and Practice*, 13(1), 24. **(Published online)**
14. Samawi, H., Chatterjee, A., Yin, J., & **Rochani, H.** (2018). On quantiles estimation based on different stratified sampling with optimal allocation. *Communications in Statistics-Theory and Methods*, 1-16.48(6)
15. Peace, K. E., Yin, J., **Rochani, H.**, Pandeya, S., & Young, S. (2018). A serious flaw in nutrition epidemiology: a meta-analysis study. *The international journal of biostatistics*, 14(2).
16. Samawi, H. M., Helu, A., **Rochani, H.**, Yin, J., Yu, L., & Vogel, R. (2018). Reducing sample size needed for accelerated failure time model using more efficient sampling methods. *Journal of Statistical Theory and Practice*, 12(3), 530-541.
17. **Rochani, H.**, Linder, D. F., Samawi, H., & Panchal, V. (2018). On inference of multivariate means under ranked set sampling. *Communications for Statistical Applications and Methods*, 25(1), 1-13.
18. Samawi, H., **Rochani, H.**, Yin, J., Linder, D., & Vogel, R. (2018). Notes on kernel density based mode estimation using more efficient sampling designs. *Computational Statistics*, 33(2), 1071-1090.
19. Yin, J., Samawi, H., & **Rochani, H.** (2018) Response to comments by Pablo Martinez-Cambor on 'Notes on Overlap Measure as an Alternative to Youden Index: How are they related?' [Letter to the editor] *Statistics in Medicine*, 37(7), 1225-1226.
20. Samawi, H., Cai, J., Linder, D. F., **Rochani, H.**, & Yin, J. (2018). A simpler approach for mediation analysis for dichotomous mediators in logistic regression. *Journal of Statistical Computation and Simulation*, 88(6), 1211-1227.
21. Chang, P., **Rochani, H.**, Mase, W., Jones, J., & Aslan, A. (2018). Analysis of Food Service Operation Risk Classification and Associated Food Safety Violation Frequency. *Journal of Environmental Health*, 80(6), 14-18.

22. Linder, D. F., Yin, J., **Rochani,H.**, Samawi, H., & Sethi, S. (2018). Increased Fisher's information for parameters of association in count regression via extreme ranks. *Communications in Statistics-Theory and Methods*, 47(5), 1181-1203.
23. Samawi, H., Chatterjee, A., Yin, J., & **Rochani,H.**(2017). On kernel density estimation based on different stratified sampling with optimal allocation. *Communications in Statistics-Theory and Methods*, 46(22), 10973-10990.
24. Jabrah, R., Samawi, H., Vogel, R., **Rochani,H.**, & Linder, D. (2017). Using ranked auxiliary covariate as a more efficient sampling design for ANCOVA model: analysis of a psychological intervention to buttress resilience. *Communications for Statistical Applications and Methods*, 24, 241.
25. Samawi, H. M., Yin, J., **Rochani,H.**, & Panchal, V. (2017). Notes on the overlap measure as an alternative to the Youden index: How are they related?. *Statistics in medicine*, 36(26), 4230-4240.
26. Rustin,C., Denote,M., Sevilimedu,V., Pandeya,S.,**Rochani, H.**, & Rosmarie, K. (2017). Georgia's Collaborative approach to expanding mosquito surveillance in response to zika virus : A case study. *US army medical department journal, (Jan-Jun 1-17)*,23-33
27. Samawi, H. M., Helu, A., **Rochani,H.**, Yin, J., & Linder, D. (2016). Estimation of $P(X > Y)$ when X and Y are dependent random variables using different bivariate sampling schemes. *Communications for Statistical Applications and Methods*, 23(5), 385.
28. **Rochani,H.**, Vogel, R. L., Samawi, H. M., & Linder, D. F. (2017). Estimates for cell counts and common odds ratio in three-way contingency tables by homogeneous log-linear models with missing data. *AStA Advances in Statistical Analysis*, 101(1), 51-65.
29. Yin, J., Hao, Y., Samawi, H., & **Rochani,H.**(2016). Rank-based kernel estimation of the area under the ROC curve. *Statistical Methodology*, 32, 91-106.
30. Jian,Z., Andrew, H. & **Rochani, H.**(2016, May 4)[Letter to the editor] Proper awareness, but wrong action. What is missing? *Pediatrics*
31. Samawi, H. M., **Rochani,H.**, Linder, D., & Chatterjee, A. (2017). More efficient logistic analysis using moving extreme ranked set sampling. *Journal of Applied Statistics*, 44(4), 753-766.
32. **Rochani,H.**, Samawi, H. M., Vogel, R. L., & Yin, J. (2015). Correction of Verification Bias using Log-Linear Models for a Single Binaryscale Diagnostic Tests. *Journal of Biometrics and Biostatistics*, 6(5), 266.
33. **Rochani,H.**, Reagon, V. M., & Davidson, S. (2015). How Long Does that 10-Year Smoke Alarm Really Last? A Survival Analysis of Smoke Alarms Installed through the SAIFE Program in Rural Georgia. *Public Health Research*, 5(6), 177.

Submitted

1. Gohil,K., Samawi,H. , **Rochani, H.** & Yu,L.Linear Model Parameters Estimation with Non-Ignorable Missing Data Using Influential Exponential Tilting Resampling Approach. *Simulation Modelling Practice and Theory*
2. Shah.G., **Rochani, H.**, Telfair, J., Ayangunnah, E. & Skuraton, G. College Students' Experiences of Race-Related Bias or Hatred in their Lifetimes and COVID-19 Era. *Journal of Public Health Management & Practice*
3. Mo,C., Samawi, H. , Yin, J. , **Rochani, H.** & Zhang,X. A new diagnostic accuracy and optimal cut-point selection measure for multi-stage diseases via generalized total Kullback-Leibler divergence *Statistical Methods in Medical Research*
4. Keko,M., Tome,J. , Mase, W., & **Rochani, H.** Association Between Equipment Maintenance Violations in FSO and Their Risk Level According to Ohio Administrative Code in Cincinnati Area.*Journal of Environmental Health*
5. **Rochani, H.**, Modlesky, C., Li,L.,Vova, J. & Colquitt, G. Chronic Pain, Activities, and Participation in Children with Cerebral Palsy.*Developmental Medicine & Child Neurology*.

6. **Rochani, H.** & Keko, M. Strategies to handle missing data in Meta-analysis. *Book Chapter: Statistical Meta-Analysis using R and Stata*
7. Samawi, H. , Kersey, J., Yin, J. & **Rochani, H.** New post-test diagnostic accuracy measures of a continuous test based on the average predictive values *Stat*
8. Eftekharian, A., Samawi, H. & **Rochani, H.**. On kernel-based estimator of odds ratio using different stratified sampling schemes. *Statistical Methods and Applications*
9. Embrey, K., Taggart, H. & **Rochani, H.** Academic-Education Partnership Promotes Student Engagement in Palliative Care Conversations *Nurse Education Today*
10. Samawi, H., **Rochani, H.** & Gohil, K.. Mean Functional Estimation with Non-Ignorable Missing Data Using Influential Exponential Tilting Resampling Approach *Journal of Statistical Computation and Simulation*
11. Samawi, H., **Rochani, H.** &. Post-test diagnostic accuracy measures of a continuous test with disease of ordinal multi-stages. *Statistics in Biopharmaceutical Research*
12. Embrey, K., Taggart, H. & **Rochani, H.** Stress and Mindfulness in Nursing Students *Journal of Professional Nursing*
13. **Rochani, H.**, Samawi, H., Helu, A. & Zhang, X. On Stratified Bivariate Sampling for Distribution and Quantiles Naïve, Ratio and Difference Estimators. *Communications in Statistics : Theory and methods*
14. Samawi, H., Yin, J. Zhang, X., Yu, L., **Rochani, H.** & Vogel, R. Notes on the applications of Kullback-Leibler Information as a measure of diagnostic accuracy and its relationship to common ROC indices. *Statistical methods in medical research*
15. Mase, W., **Rochani, H.**, Jones, S., & Holsinger, J. Trust Differences by Race across Two Public Health Departments.” *Journal of Public Health Management*
16. Reber, R., Greenspon, L., Desai, R., Hegewald, M., Villas, P., **Rochani, H.**, Bonn, J. High-Risk Submassive Pulmonary Embolism: The Use of Catheter-Directed Ultrasound-Accelerated Thrombolysis. *American Journal of respiratory and critical care medicine*

Grants Submitted

1. *Data Analytic personnel (Project C-CHANGE: A Community-Based Climate Change and Human Adaptation Network for Coastal Georgia Environment)* funded from Georgia Department of Natural Resources grant for \$4,010,645.36.

Grants Funded

1. *Co-Principal Investigator (A Feasibility Study for Adopting Rapid Molecular Methods to Monitor Enterococci at Georgia Beaches)* (October 1 2019 - September 2020) funded from Georgia Department of Natural Resources grant for \$78,298.
2. *Contractor (Community-Based Research to improve Prostate cancer patient treatment decisions)* (May 2015 - July 2015) funded from NIH grant for \$10,506.
3. *Co-Principal Investigator (Driver's Education Study)* (May 2015 - November 30 ,2015) submitted to Georgia Governor's Office of Highway Safety for \$54,798.

Grants Not Funded

1. *Co-Principal Investigator (Community Voices: Exploring minority stress, mental health and HIV risk among black MSM in the Deep South.)* submitted to National Institute of health for \$393,398.
2. *Co-Principal Investigator (Simpler Approach for Multiple Dichotomous Mediators for Logistic Regression Models)* submitted to National Institute of health for \$384,999.98.
3. *Co-Principal Investigator (Delays in Care As a Result of Opioid Rx)* (May,2017) submitted to Robert Wood Johnson Foundation for \$ 134,149.31.

4. *Co-Principal Investigator (Use of technology to enhance patient outcome and prevent illness)* (January,2017) submitted to National Institute of health for \$338,001.11.
5. *Principal Investigator (Race and Leadership Survey data analysis)* (Nov 2015) submitted to Building Movement Project for \$25,721.97.

Invited Session at Conferences

Rochani D. Haresh (Presenter), Robert L. Vogel, Hani M Samawi & Jingjing Yin (2016) *MLEs for diagnostic measures of accuracy by log-linear models for correction of workup bias* at International chinese statistical association, Atlanta, USA, June 14 ,2016.

Conference Presentations

1. Luke Alan Thayer, Nicole L. Ebel, Morgan Alexa Taylor, Benjamin Leigh DeLoach, **Rochani D. Haresh**, Bryan Riemann, Ryan Michael Decarreau, James L. Karnes, & George James Davies(2021). *What Criteria Can Return Athletes Back to Overhead Sports Using Novel Upper Extremity Functional Tests?*, at APTA Combined Sections Meeting 2021.
2. Sophie Lucia Bargeron (Presenter), Alicia Marie Connolly, Kali Rose Hackmann, Taylor Leanne lane, **Rochani D. Haresh**, Ryan Michael Decarreau, James L karnes, Bryan Reimann & George James Davies (2021). *Effects of Fatigue on Active Joint Replication Proprioception of the Shoulder in Physically Active Individuals*, at APTA Combined Sections Meeting 2021.
3. Gavin Colquitt, **Rochani D. Haresh**, Christopher Modlesky, Barbara Weissman, & Joshua Vova (2020). *Chronic pain, activities and participation in children with cerebral palsy*, at AACPD annual Meeting 2020.
4. Paula Tillman (Presenter), Janet Buelow, Halen Taggart & **Rochani D. Haresh** (2020). *An Inter-professional Approach to Teaching Health Informatics*, at AUPHA academic Forum HIMSS20 Virtual, 2020.
5. Bethrand Ugwu (Presenter), Stacy Smallwood , **Rochani D. Haresh** , & Samuel Opoku (2020). *Using the theory of reasoned action to analyze African American college students' intentions to participate in biobanking research*, at APHA Virtual, Oct 27, 2020.
6. Taggart, Helen (Presenter), Pamela Mahan & **Rochani D. Haresh** (2019). *Changes in Baccalaureate Nursing Students' Perceptions About Caring for Dying Patients* at Sigma's 30th International Nursing Research Congress, Calgary, Alberta, Canada, July 27, 2019.
7. Katrina Embrey(Presenter), Taggat, Helen , & **Rochani D. Haresh** (2019). *Stress and Mindfulness in Nursing Students* at Sigma's 30th International Nursing Research Congress, Calgary, Alberta, Canada, July 27, 2019.
8. Hani M samawi (Presenter), Jingjing yin,Xinyan Zhang, Lili Yu **Rochani D. Haresh** & Robert Vogel (2019). *A New Measure of Diagnostic Accuracy with Cut-point Selection Criterion for K-stage Diseases Using Concordance and Discordance* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Philadelphia, PA, U.S.A., March 26, 2019.
9. Jing Kersey (Presenter), Hani M samawi, Jingjing yin,**Rochani D. Haresh** & Xinyan Zhang (2019). *A New Measure of Diagnostic Accuracy with Cut-point Selection Criterion for K-stage Diseases Using Concordance and Discordance* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Philadelphia, PA, U.S.A., March 25, 2019.
10. Kavita Gohil (Presenter), Hani M samawi, **Rochani D. Haresh** & Lili Yu (2019). *Parameter Estimation using Influential Exponential Tilting in Case of Data Missing at Random and Non-Ignorable Missing Data* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Philadelphia, PA, U.S.A., March 24, 2019.
11. Chen Mo (Presenter), Hani M samawi, Jinjing Yin, **Rochani D. Haresh**, Xinyan Zhang & Jing Kersey (2019). *Applications of Generalized Kullback-Leibler Divergence as a Measure of Medical Diagnostic and Cut-Point Criterion for K-Stages Diseases* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Philadelphia, PA, U.S.A., March 24, 2019.

12. **Rochani D. Haresh**(Presenter), Hani M Samawi , & Yu Lili (2018). *Sensitivity analysis for non-ignorable missing data with missclassification Error* at 2018 American Public Health Association (APHA), San Diego, CA, U.S.A., Nov 14,2018
13. Erin Jordon, Stacy Smallwood ,**Rochani D. Haresh**(Presenter) and Jeff Jones(2018). *Exploring Psychosocial Factors and Sexual Risk Behavior Of Men Who Have Sex With Men In The United States Military* at 2018 American Public Health Association (APHA), San Diego, CA, U.S.A., Nov 11,2018
14. Hani M samawi (Presenter) , Xinyan Zhang, Lili Yu , **Haresh Rochani**, & Robert Vogel (2018). *On Quantiles Estimation Based on Different Stratified Sampling with Optimal Allocation* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Atlanta, GA, U.S.A., March 26, 2018.
15. Hani M samawi (Presenter) , Jinjing Yin, Arpita Chatterje & **Haresh Rochani** (2018). *On Quantiles Estimation Based on Different Stratified Sampling with Optimal Allocation* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Atlanta, GA, U.S.A., March 26, 2018.
16. Lili Yu (Presenter), Varadan Sevilimedu, Hani Samawi & **Rochani D. Haresh** (2018). *Misclassification Simulation Extrapolation Procedure for Log-Logistic Survival Data* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Atlanta, GA, U.S.A., March 26, 2018.
17. **Rochani D. Haresh**(Presenter), Daniel F Linder, Hani M Samawi , & Viral Panchal (2017). *Efficient sampling design for making inference on mean estimation in longitudinal data* at 2017 American Public Health Association (APHA), Atlanta, Georgia, U.S.A., November 6, 2017.
18. Alicia Brown (Presenter), Evans Afriyie-Gyawu, **Rochani D. Haresh** & Rachel Barham (2017). *Burning of scrap tires, firewood and liquefied petroleum gas as fuel sources for singeing meat in Ghana: Chemical emissions via smoke and health concerns* at 2017 American Public Health Association (APHA), Atlanta, Georgia, U.S.A., November 6, 2017.
19. H. Pamela Pagano (Presenter), James Stephens, **Rochani D. Haresh**, Julie Reagan, Lauren Zapata, Maura Whiteman & Kate Curtis (2017). *Health Care Provider Practices around Emergency Contraception: An Analysis of a Nationwide Provider Survey* at 2017 American Public Health Association (APHA), Atlanta, Georgia, U.S.A., November 6, 2017.
20. Hani M Samawi (Presenter), Jingxian Cai, Daniel F Linder **Rochani D. Haresh**, & Jingjing Yin (2017). *Simpler Approach for Mediation Analysis for Dichotomous Mediators in Logistic Regression* at 2017 American Public Health Association (APHA), Atlanta, Georgia, U.S.A., November 6, 2017.
21. **Rochani D. Haresh** (Presenter), Hani M samai Jingjing Yin & Viral Panchal (2017). *Notes on the Overlap Measure as an Alternative to the Youden Index: How are they Related?* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Washington, DC, U.S.A., March 15, 2017.
22. Hani M samai (Presenter), Amal Helu, **Rochani D. Haresh**, Jingjing Yin & Robert Vogel (2017). *Kernel Density Estimation based on Progressive Type-II Censoring* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Washington, DC, U.S.A., March 13, 2017.
23. Sarbesh Raj Pandeya (Presenter) & **Rochani D. Haresh** (2017). *Hot Deck Imputation for Mixed Typed Datasets using Model Based Clustering* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Washington, DC, U.S.A., March 12, 2017.
24. Hani M Samawi (Presenter), Lili Yu, **Rochani D. Haresh**, & Robert L. Vogel (2016). *More Efficient Survival Analysis Using Moving Extreme Ranked Auxiliary Covariate sampling method* at 2016 American Public Health Association (APHA), Denver, Colorado, U.S.A., October 31, 2016.
25. Hani M Samawi, Jingxian Cai (Presenter), **Rochani D. Haresh**, & Daniel F. Linder (2016). *Simpler Approach for Mediation Analysis for Dichotomous Mediators in Logistic Regression* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Austin, Texas, U.S.A., March 9, 2016.

26. Hani M Samawi (Presenter), **Rochani D. Haresh**, Jingjing Yin, Daniel F. Linder, & Robert L. Vogel (2016). *Notes on Kernel Based Mode Estimation Using More Efficient Sampling Designs* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Austin, Texas, U.S.A., March 9, 2016.
27. **Rochani D. Haresh (Presenter)**, Daniel F. Linder, Hani M Samawi & Viral V. Panchal (2016). *Multivariate Mean Estimation Under Efficient Sampling Designs* . at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Austin, Texas, U.S.A., March 8, 2016.
28. **Rochani D. Haresh (Presenter)**, Robert L. Vogel, Hani M Samawi & Jingjing Yin (2015). *Correction of Verification Bias by Application of Homogeneous Log-linear Models for a Single Binary-scale Diagnostic Tests* at 2015 American Public Health Association (APHA), Chicago, IL, U.S.A., November 2, 2015.
29. Hani M Samawi (Presenter), **Rochani D. Haresh** , Daniel F. Linder & Chatterjee,A. (2015). *More Efficient Logistic Analysis Using Moving Extreme Ranked Set Sampling: Application to Children obesity* . American Public Health Association (APHA) , Chicago, IL, U.S.A., November 2, 2015.
30. **Rochani D. Haresh (Presenter)**, Robert L. Vogel, Hani M Samawi & Daniel F. Linder (2015). *Explicit Estimates for Cell Counts and Modeling the Missing Data Indicators in Three-Way Contingency Table by Log-Linear Models* . Presented at 2015 Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Miami, Florida, U.S.A., March 17, 2015.
31. E. Afriyie-Gyawu, A.Brown, R. Barham (Presenter), & **Rochani D. Haresh** (2015). *Chemical Emissions via Smoke Produced Through Burning of Scrap Tires, Firewood and Liquefied Petroleum Gas as Fuel Sources for Singeing Meat in Ghana* . Society of toxicology (SOT) , New Orleans, LA, U.S.A., March 13-17, 2016.
32. **Rochani D. Haresh** , Robert L. Vogel (Presenter), Hani M Samawi & Daniel F. Linder (2015). *Maximum likelihood estimates by Homogenous log-linear models for three-way contingency tables with Missing data with application to neuropathology data* . American Public Health Association (APHA) , Chicago, IL, U.S.A., November 3, 2015.
33. **Rochani D. Haresh (Presenter)**, Robert L. Vogel, Hani M Samawi & Jingjing Yin (2015). *Correction of Verification Bias by Application of Homogeneous Log-linear Models for a Single Binary-scale Diagnostic Tests* . at 2015 Joint Statistical Meeting (JSM), Seattle, WA, U.S.A., August 11, 2015.
34. Ravi Desai , Emily Broach , **Rochani D. Haresh**, Amanulla Khaji , Eliot Friedman & Rizwan Sardar (2015). *Does Ischemic Pre-Conditioning Occur with Obstructive Sleep Apnea (OSA)? Comparing the Severity of Myocardial Necrosis Between the Patients with OSA and Without OSA After an Acute ST Elevation Myocardial Infarction*. Presented at 2015 American Thoracic Society International Conference, Denver, Colorado: May 15th .
35. Ryan D. Reber , Ravi Desai , M.D. MPH , Matthew Hegewald , Daniel Sheibley , Joseph Bonn , Peter A. Villas , **Rochani D. Haresh** & Lee W. Greenspon (2015). *Submassive Pulmonary Embolism: The Impact of Early Clot Reduction with Ultrasound-Accelerated Thrombolysis on Pulmonary Hypertension*. Presented at 2015 American Thoracic Society International Conference, Denver, Colorado: May 15th .
36. **Rochani D. Haresh (Presenter)** , Djire , B. , Tsai, K. Chimariya, K., Jabrah, R. (2013). *Modeling the risk factors effects on mortality in Hanford, Oak ridge national laboratory and rocky flats nuclear weapons plant*. Presented at 2013 Graduate Research Symposium, Statesboro, GA: March 14th .
37. Parrillo, A.V., **Rochani D. Haresh**, & Johnson, J. (2009). *Fit WIC Georgia: Combining nutrition and exercise to prevent childhood obesity*. Presented at the Annual Conference of the Georgia Rural Health Association, Young Harris, GA: September 22nd
38. Hobson, A., **Rochani D. Haresh**, Dhakal, E.R., Eldridge, C.T., Smith, A., Hobson, A., Scott, K., Peden, A., Sevilimedu, V., Mayer, H., Rivers, C., Marella, P.R., Parrillo, A.V. (2008). *A tri-county assessment: Placing theory into practice for purposes of achieving better health in rural Southwest Georgia*. Poster presentation exhibited at the Annual Meeting of the Georgia Rural Health Association, Young Harris, GA: September 16th.

Dissertation Committee Member - Completed

1. *Factors Influencing Access to Care and Contraceptive Use Among U.S. Born and Foreign Born women of African Descent*(2019) by Olivia Osaji (Community health and education) at Jiann-Ping Hsu College of Public Health.
2. *Food Insecurity Among College Students at a Historically Black College & University: Prevalence, Social Support & Coping Skills, and Academic Outcomes*(2019) by Rebecca L. Larson (Community health and education) at Jiann-Ping Hsu College of Public Health.
3. *Factors influencing access to care and contraceptive use among U.S. born and foreign born women of African decent.*(2019) by Olivia Osaji (Community health and education) at Jiann-Ping Hsu College of Public Health.
4. *Identifying Protective Factors to Early Suicide Markers: The Buffering Effects of Savoring and Resilience* (2019) by Matthew Miceli (Clinical Psychology) at college of liberal arts and social sciences.
5. *The Role of Family Context in Family Health History Communication surrounding Chronic Disease* (2019) by Kendall Williams (Community health and education) at Jiann-Ping Hsu College of Public Health.
6. *Using the Theory of Reasoned Action to Analyze African American College Students Intentions to Participate in Bio banking Research* (2019) by Bethrand ugwu (Community health and education) at Jiann-Ping Hsu College of Public Health.
7. *Let Me Upgrade You: Common Measures in Public Health Accreditation Action Plans* (2019) by Gurleen Roberts (Public Health Leadership) at Jiann-Ping Hsu College of Public Health.
8. *Exploring the Psychosocial factors and Sexual Risk Sexual behavior of men who have sex with men in the United States Military: Project Minds* (2018) by Erin Jordan (Community health and education) at Jiann-Ping Hsu College of Public Health.
9. *Factors Associated with Iron-Folic Acid Supplement Use among Pregnant Women in Karu, Nasarawa State, Nigeria - A Cross Sectional Study using Theory of Planned Behavior* (2018) by Toyin olamide (Community health and education) at Jiann-Ping Hsu College of Public Health.
10. *The double burden of Overweight and/or obesity and anemia in Zimbabwean women* (2017) by Fadzai Punungwe (Community health and education) at Jiann-Ping Hsu College of Public Health.
11. *Healthcare Provider Practices Around Emergency Contraception: An Analysis of a Nationwide Survey* (2017) by Pam Pagano (Public Health Leadership) at Jiann-Ping Hsu College of Public Health.
12. *Assessment of orphans and vulnerable childrens' knowledge, attitude and perception of TB and HIV and the contextual and structural factors that influence risk: A mixed methods pilot study of the union orphanages of north haiti* (2017) by Val M. Reagon (Public Health Leadership) at Jiann-Ping Hsu College of Public Health.
13. *Application of the Misclassification simulation Extrapolation (MC-SIMEX) procedure to log-logistic Accelerated failure time (AFT) models in survival analysis* (2017) by Varadan Sevilimedu (Biostatistics) at Jiann-Ping Hsu College of Public Health.
14. *The effects of government regulation on providing healthcare at AHA member hospitals between 1998 and 2010*(2016) by David Schott (Public Health Leadership) at Jiann-Ping Hsu College of Public Health.
15. *Using the Health Belief Model to Explore And Describe Central Georgia African American Small Family Farmers Perceptions of Production Agriculture Safety: An Applied Qualitative Study* (2016) by Jerel Harris (Public Health Leadership) at Jiann-Ping Hsu College of Public Health.
16. *A simple approach for mediation analysis for dichotomous mediators in logistic regression: An application to children's health conditions associated with obesity* (2016) by Jingxian Cai (Bio-statistics) at Jiann-Ping Hsu College of Public Health.
17. *The association between the prevalence of diabetes in local health departments' jurisdictions and the health related services they provide*(2016) by John Sheahan (Public Health Leadership) at Jiann-Ping Hsu College of Public Health.

18. *Improving The Inference Of Some Experiental Studies By Using Ranked Auxiliary Covariates (2016)* by Rajai Jabra (Bio-statistics) at Jiann-Ping Hsu College of Public Health.
19. *Missing Data in Clinical Trial: A Critical Look at the Proportionality of MNAR and MAR Assumptions. (2016)* by Theophile Dipita (Bio-statistics) at Jiann-Ping Hsu College of Public Health.

Dissertation Mentoring - Ongoing

1. *Performance of Joint confidence interval with MAR data- Simulation Study* **Dissertation Chair** (January 2019 - Present) by Kapil Rathi (Bio-statistics) at Jiann-Ping Hsu College of Public Health.
2. *Sensitivity analysis in mediation data with non-ignorable mechanism* **Dissertation Chair** (January 2020 - Present) by Ayoku Sarah (Bio-statistics) at Jiann-Ping Hsu College of Public Health.
3. *TBA* **Dissertation Chair** (January 2020 - Present) by Xie Fang (Bio-statistics) at Jiann-Ping Hsu College of Public Health.
4. *Parameter Estimation using Influential Exponential Tilting in Case of Data Missing at Random and Non-Ignorable Missing Data* (August 2018 - Present) by Kavita Gohil (Bio-statistics) at Jiann-Ping Hsu College of Public Health.
5. *A New Measure of Diagnostic Accuracy with Cut-point Selection Criterion for K-stage diseases Using Concordance and Discordance* (August 2018 - Present) by Jing Kersey (Bio-statistics) at Jiann-Ping Hsu College of Public Health.
6. *A Measure and Optimal Cut-Point Criterion of Multi-Stage Classification for Continuous Biomarkers Generalized from Kullback-Leibler Divergence* (August 2018 - Present) by Chen Mo (Bio-statistics) at Jiann-Ping Hsu College of Public Health.
7. *The Behavioral Health Workforce Shortage in South Carolina* (January 2018 - Present) by Brandon Wilcher (Public Health Leadership) at Jiann-Ping Hsu College of Public Health.

Invited Lectures

1. Rochani D. Haresh (February 11, 2019), *Sensitivity analysis for misclassification error correction under non-ignorable missing in validation data*. (BEES seminar at JPHCOPH)
2. Rochani D. Haresh (September 12, 2018), *Power analysis in biomedical data* (PUBH 5520G)
3. Rochani D. Haresh (April 3, 2017), *Sample size determination in public health research* in Master level Epidemiologic research Methods I (EPID 7133)
4. Rochani D. Haresh (April 13, 2016), *Verification Bias* in Master level Stistical methods in Medical Research (PUBH 7090D)
5. Rochani D. Haresh (November 9, 2015), *Poission Regression* in Master level Regression in Biostatistics.
6. Rochani D. Haresh (March 19 & 24, 2015), *Log-linear models and Missing Data in Clinical Studies* in Doctoral level Analysis with Missing Data Course (BIOS 9433)
7. Rochani D. Haresh (March 12, 2015), *Application of Bio-statistics in Health Evaluation Programs* in Undergraduate level Health Promotion Program Planning II Course (BIOS 9433)
8. Rochani D. Haresh (September 23, 2014), *Sample Size and Power Calculation* in Doctoral level Research Methods Course (CHBE 9130)

Professional Development :- Short Courses Taken at Conferences

1. *Statistical Methods for Brain Network Analysis Using Multimodal Imaging Data* (1 day) by Dr. Ying Guo and Phebe kemmer, Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Washington, DC, U.S.A., March 12, 2017.
2. *Missing data in Regression Models* (1 day) by Dr. Joe Ibrahim, Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Austin, Texas, U.S.A., March 6, 2016.

3. *Bayesian Clinical Trials* (1 day) by Dr. David Draper, Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Miami, Florida, U.S.A., March 15, 2015.
4. *Patient-Reported Outcomes: Measurement, Implementation and Interpretation* (2 day) by Dr. Joseph C. Cappelleri & Dr. Andrew G. Bushmakin, The 70th Deming Conference on Applied Statistics, Atlantic City, New Jersey, U.S.A., December 11-12, 2014.
5. *Longitudinal and incomplete data* (1 day) by G.Verbeke & G. Molenberghs, Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Baltimore, Maryland, U.S.A., March 16, 2014.
6. *BIOSIMILARS: Design and Analysis of Follow-on Biologics* (2 day), by Shein-Chung Chow, XX Annual Biopharmaceutical Applied Statistics Symposium (BASS), Orlando, Florida, November 5 & 6, 2013
7. *Advanced Safety Data Analysis and Handling Nonrandom Missing Data* (2 day), by Russ Wolfinger, Craig Malincrodt, Richard Zink; Moderator: R.K. Elswick, XIX Annual Biopharmaceutical Applied Statistics Symposium (BASS), Savannah, Georgia, November 6 & 7, 2012

Consulting

PROJECT	Comparison of All-Terrain Vehicle (ATV) Injuries from 1998 to 2013	
CLIENT	Margret Brown - Program Administrator M. Gage Ochsner, M.D. Institute for Injury Research and Prevention	
FEES	\$ 250	
EMPLOYER	Memorial Health University Medical Center	Savannah, Georgia

PROJECT	Survival analysis of Smoke detector alarms	
CLIENT	Steve Davidson - Project Director for Rural Roads Initiative and Smoke Alarm Program	
EMPLOYER	Southeast Public Health InjuryPrevention Consulting	Jesup, Georgia

Service

National:

1. Chair Elect for Applied Public Health Statistics Section Chair at APHA (10/29/2020 to Present)
2. Section Councilor for APHA (11/7/2019 to 10/29/2020)
3. Editor for PLOS journal (10/1/2020 - Present)
4. IT officer at Southern Regional Council on Statistics (SRCOS) (Jan 2018 - Dec 2019)
5. IRB reviewer - Memorial health Hospital Savannah Georgia (Jun 2018 - present)
6. Associate editor of Biostatistics and biometrics open access journal (BBOAJ) (June 2017- present)
7. Associate editor for Biostatistics and Biometrics journal (January 1 2017- Current)
8. Social Media Committee Member at ENAR (6/17/2016- Current)
9. Associate editor for research in health science (June 12 2016 to December 2018)
10. Committee member of a Society of Clinical Trials (SCTs) Membership Committee (Fall 2015 - August 2016)
11. Moderator for session *Statistical Methods on Prevention and Wellness* at American Public Health Association (APHA), Chicago, IL, U.S.A., November 2, 2015.
12. Chair the session of *Machine Learning* at Spring meeting of the Eastern North American Region (ENAR) of the International Biometric Society, Austin, Texas, U.S.A., March 9, 2016.
13. Reviewer
 - American Public Health Statistics Section at APHA
 - Gazi University Journal of Science

- Journal of Statistical Computation and Simulation
- Journal of Statistical Planning and Inference
- European journal of pure mathematics
- Communications in Statistics - Simulation and Computation.
- Journal of applied statistics.
- Journal of statistical Theory and Practice
- Journal of Multivariate Analysis
- Heliyon Journal
- American Journal of epidemiology

University:

1. POD volunteer
2. College Senator (August 2020 - Present)
3. Faculty Senate Alternate (August 2016 - July 2021)
4. Undergraduate Senate Alternate (August 2016 - July 2018)
5. Faculty Research Committee (August 2016 - July 2018)
6. STEM affiliate Faculty member (2014 - 2017)
7. Health Informatics Academic Alliance (Jan 2015- August 2016) with University System of Georgia
8. Line-up Assistant during the Fall 2015 commencement ceremonies.

College/Department:

1. Director of the Karl Peace Center for Biostatistics (June 1 , 2016 - present)
2. JPHCOPH research committee member(August 2019- Present)
3. Member - Promotion and tenure committee (Oct 2020- present)
4. Member - Faculty award committee (June 2020- present)
5. BSPH Public health analytic committee
6. Chair, Quality Matters PUBH 6541 Internal course Review Team
7. Chair, Comprehensive Exam logistic Committee
8. JPHCOPH Guest Lecture Series - Biostatistics concentration representative.
9. Travel Grant Reviewer for Jiann Ping Hsu College of Public Health (Fall 2014 and Spring 2015 , 2016 ,2017,2020)
10. Represented JPHCOPH at graduate fair (OCT 2014, 2018) and APHA (2015 , 2018).
11. Comprehensive Exam adjudicator (Fall 2014 - 2017)
12. Capstone Project Evaluator (Fall 2014 & Spring 2015)
13. Academic assessment Retreat (2015-2018)

Professional Affiliations

American Statistical Association (ASA)
 American Public Health Association (APHA)
 Eastern North American Region (ENAR)
 Society of Clinical Trials

Research Areas of Interest

Missing data
 Statistical methods in Diagnostic testing
 Efficient Sampling Designs