

## **Hani M. Samawi, Ph.D.**

Professor of Biostatistics and Interim Department Chair,  
Biostatistics, Epidemiology and Environmental Health Sciences  
Jiann-Ping Hsu College of Public Health  
Georgia Southern University

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Email: [hsamawi@georgiasouthern.edu](mailto:hsamawi@georgiasouthern.edu) **Citizenship:** USA

### **-Biography**

Ph.D. in Biostatistics from the University of Iowa (USA) in 1994. Full Professor of Biostatistics at Yarmouk University until 2006. Currently, I am a tenured Full Professor in Biostatistics and Interim Chair, the Department of Biostatistics, Epidemiology and Environmental Health Sciences, in Jiann-Ping Hsu College of Public Health at Georgia Southern University. I served as the Karl E. Peace Center for Biostatistics Director from August 2008 to June 2016. Associate Editor of *Frontiers in Child Health and Human Development*. A guest editor for a special issue of the *Internal Journal of Environmental Research and Public Health*. The issue focus is on innovative data and statistical applications in Public Health.

### **Education**

Ph.D., The University of Iowa, 1994.

Major: Biostatistics/Epidemiology

Supporting Areas of Emphasis: *Department of Preventive Medicine and Environmental Health/ Division of Biostatistics*

Dissertation Title: Power Estimation for Two-Sample Tests Using Importance and Antithetic Resampling

MS, The University Of Iowa, 1991.

Major: Applied Statistics

Dissertation Title: None

MS, Yarmouk University/Jordan, 1986.

Major: Statistics

Dissertation Title: Maximum Likelihood Estimates of Weibull Parameters Using Accelerated Life Testing and Power Rule Model

BS, Yarmouk University/Jordan, 1981.

Major: Mathematics/Statistics

Supporting Areas of Emphasis: Mathematics

## **Research Area**

Resampling methods, bootstrap, simulation, Monte Carlo Methods, MCMC methods, parametric and nonparametric inference for complete and missing data analysis, secondary data analysis, inference under progressively censored data, meditation analysis for different types of modeling, latent class models, Statistical methods for medical diagnostics and inference on linear, generalized linear models with misclassification and ranked set sampling,.

## **Teaching Area**

Linear and Generalized Linear Models, Design of Experiment, Regression Analysis, Categorical Data Analysis, Statistical Inference, Probability, Sampling Survey, Statistical Computing, Biostatistics, Meta-analysis, Nonparametric Methods, Statistical Consultation, Bayesian Inference.

## **Awards and Honors**

- 1- Georgia Sothern University 2017-2018 Award Recipient for Excellence in Research/Creative Scholarly Activity.
- 2- Jiann-Ping Hsu College of Public Health, Georgia Southern University 2012-2013 Award Recipient for Excellence in Research and /or Scholarly Activity.
- 3- Henry Award for Outstanding Performance on Ph.D. Qualifying Examination Recipient, at the University of Iowa, For Outstanding Performance on Ph.D. Qualifying Examination, 1990.
- 4- Academic Outstanding Award, Yarmouk University. Outstanding performance in my Master's degree. (June 10, 1986).

## **Professional Positions**

### **Academic**

- 1- Interim Chair: Department of Biostatistics, Epidemiology and Environmental Health Sciences (BEES), July 1, 2019-Present
- 2- Full Professor of Biostatistics (since August 1, 2014, at Georgia Southern University)
- 3- A fellow of the Institute for Interdisciplinary STEM Education (February 7, 2013-2015).
- 4- Tenured (since August 1, 2012 at Georgia Southern University).
- 5- Associate Professor of Biostatistics, Georgia Southern University/USA. (September 7, 2007 - July 31, 2014).
- 6- Director of Karl E. Center for Biostatistics (August 1, 2008-June 1, 2016).
- 7- Interim Discipline Coordinator, Biostatistics (June 1, 2011- October 1, 2011)
- 8- Assistant Professor of Biostatistics, Georgia Southern University/USA. (August 1, 2006 - September 7, 2007).
- 9- Chairman of the Statistics Department at Yarmouk University/ Jordan. (September 1, 2005 - August 1, 2006).
- 10- Full professor of Biostatistics, Yarmouk University/Jordan. (November 16, 2004 - August 1, 2006).
- 11- Tenured (September 11, 2000-Present at Yarmouk University).
- 12- Associate professor of Biostatistics, Yarmouk University/Jordan. (October 26, 1998 - November 16, 2004).
- 13- Sabbatical leave and leave at Sultan Qaboos University/ Oman. (September 1, 2001 - September 10, 2004).
- 14- Acting Chair of the Statistics Department at Yarmouk University/Jordan. (September 1, 1997 - September 1, 1999).
- 15- Assistant Professor of Biostatistics, Yarmouk University/Jordan. (September 3, 1994 - October 26, 1998).

### **Licensures and Certifications**

- 1- Financial Conflict of Interest for funding mini-course Certificate.
- 2- The Effort Reporting Fundamentals Workshop, Georgia Southern University. (November 29, 2010)
- 3- Sponsored Project Consulting, Expenses & Getting Reimbursed workshop, Georgia Southern University. (November 15, 2010).
- 4- Sponsored Project Business Objects Basics & Traveling Workshop., Georgia Southern University. (November 8, 2010).
- 5- Online Teaching, Georgia Southern University. (August 2009).
- 6- RB Members-Basic/Refresher Curriculum, CITI. (August 17, 2010).
- 7- Human Participants Protection Education for Research Teams, U.S. National Institute of Health , (NIH). (October 17, 2007).

## **Professional Memberships**

- 1- Georgia Public Health Association (GPHA, Service), State. (May 1, 2008 - Present).
- 2- American Public Health Association (APHA) (APHA, Service), National, Statistics. (August 14, 2007 - Present).
- 3- American Statistical Association (ASA, Academic), National, Iowa,. (September 2005 - Present).
- 4- International Biometrics Society (ENAR, Academic), International. (September 1998 - Present).

## **TEACHING**

### **Teaching Experience**

#### **At Georgia Southern University (2006-present)**

##### ***In Department of Biostatistics***

BIOS 6331: Regression Analysis in Biostatistics  
BIOS 6332: Experimental Design in Biostatistics.  
PUBH 6541: Biostatistics I (online)  
PUBH 6541, Biostatistics I. (in class)  
PUBH 7090: Selected Topics in Public Health.  
BIOS 7534: Data Management for Biostatistics.  
BIOS 7535: Data Analysis with SAS  
PUBH 8130: Advanced Topics in Biostatistics (blended online)  
BIOS 9131: Advance Statistical Theory Biostatistics I.  
BIOS 9133: Advance Statistical Theory Biostatistics II.  
BIOS 9331: Meta-Analysis.  
BIOS 9130 Statistical consultation  
BIOS 9231 Bayesian Statistics I  
BIOS 9136 General and Generalized Linear Models

##### ***In the Department of Mathematical Sciences***

MATH 3337: Probability.  
MATH 5130: Stat and Prob for K-8 Teachers.  
STAT 2231: Introduction to Statistics I.  
STAT 5130: Sampling & Survey Methods.  
STAT 5130G: Sampling & Survey Methods.  
STAT 5531: Statistical Methods I.  
STAT 5531G, Statistical Methods I.  
STAT 7231: Design of Experiments I.  
STAT 7430, Actuarial Mathematics.

### **At Yarmouk University / Jordan: (1994-2006)**

Stat. 101: Introduction to Statistics for Science students  
Stat. 107: Introduction to Statistics for Business students  
Stat. 111: Probability (I)  
Stat. 203: Introduction to Biostatistics  
Stat. 213: Course in Probability (for school teachers)  
Stat. 271: Sampling Methods  
Stat. 272: Time Series Analysis  
Stat. 331: Mathematical Statistics (II)  
Stat. 373: Demography (Jordan)  
Stat. 374: Design and Analysis of Experiments  
Stat. 375: Regression Analysis  
Stat. 382: Categorical Data analysis  
Stat. 481: Statistical Computing  
Stat. 281: Statistical Analysis using Statistical Packages (SAS, MINITAB, SPSS)  
Stat. 483: Applied Statistics and Case Studies  
Stat. (P. H 334): Biostatistics for Medical Students at JUST University.  
Stat. 383: Nonparametric Methods,  
Stat. 472: Survey Design  
Stat. 681: Statistical Computing  
Stat. 682: Categorical Data Analysis  
Stat. 683: Linear model  
Stat. 672: Applied Statistics II: Multivariate Analysis  
Stat. 678: Advanced Sampling Survey Methods  
Stat. 606 : Data Analysis and Experimental Design (for all science graduate students)  
Stat. 674: Advanced Design and Analysis of Experiments.

### **Sultan Qaboos University/ Oman (2001-2004)**

Stat 1001: Introduction to Statistics  
Math 1106: Pre-Calculus Stat  
Stat 3335: Sampling Survey  
Stat 4432: Regression Analysis  
Stat 4433: Design and analysis of Experiments  
Stat 4434: Nonparametric Methods  
Stat 5521: Categorical data analysis  
Stat 3334: Statistical Inference

### **Directed Student Learning**

#### **Doctoral degrees**

- 1- Dr.PH Dissertation Committee Member. " EFFECTIVENESS OF  
TELEMEDICINE IN DIABETES MANAGEMENT: A Retrospective Study in  
an Urban Medically Underserved Population Area (UMUPA) (Public Health  
Leadership ). (January 2021 –present).

Advised: Lisa Ariellah Ward

- 2- Dr.PH Dissertation Committee Member. "The influence types of foods and beverages (micronutrient and macronutrient intake) have on selected chronic diseases. (Community Health Behavior & Education). (February 2021 – present).  
Advised: Paige Perry
- 3- Dr.PH Dissertation Committee Chair. " Generalized Net Benefit-Risk as a Measure of Medical Diagnostic of selecting biomarkers for K-Stages Diseases). (Biostatistics). (August, 2020 –present).  
Advised: Ferdous Ahmed
- 4- Dr.PH Dissertation Committee Member. " determine what impact the interactions that vitamin C has with the lipophilic vitamins (Vitamins A, D, E, and K), the hydrophilic vitamins (the B-vitamins), and caffeine has on depressive outcomes. (Public Health Epidemiology). (September 2020 – present).  
Advised: Neil Mistry
- 5- Ph.D. Dissertation committee co-chair “Estimation of  $P(X < Y)$  When X and Y are Dependent Random Variables Under Progressive Type-II Censored Data" (Statistics) Department of Mathematics at Jordan University.(September 2017-July 6, 2019, Completed)  
Advised: Rola M. Musleh
- 6- Dr.PH Dissertation Committee Chair. " Generalized Kullback-Leibler Information as a Measure of Medical Diagnostic and cut-point selection Criterion for K-Stages Diseases ). (Biostatistics). (August, 2018 –Jan-2020 Completed).  
Advised: Chen Mo
- 7- Dr.PH Dissertation Committee Chair. “New Measure of Medical Diagnostic cut-point selection Criterion for K-Stages Diseases). (Biostatistics). (August, 2018 –2020 Completed).  
Advised: Jing Kersey
- 8- Dr.PH Dissertation Committee Chair. “Missing not at random data using influenced function exponential tilting approach). (Biostatistics). (August, 2018 –10-2020 completed).  
Advised: Kavita Gohil
- 9- Dr.PH Dissertation Committee Member “EXPLORING HEALTH ATTITUDES AND ACADEMIC-COMMUNITY ENGAGEMENT OF FACULTY AT ACCREDITED SCHOOLS AND COLLEGES OF PUBLIC HEALTH” (Public Health) (August 2019-11-2-2020 completed)  
Advised: Maria Isabel Olivas
- 10- Dr.PH Dissertation Committee Member. “Emissions of Pollutants from Tire Burning for Meat Processing, Associated Biomarkers of Exposure, and

Respiratory Function: A Cross-Sectional Study in Ghana. (Epidemiology). (August, 2018–April 2019, Completed).

Advised: Alicia Brown

- 11- Dr.PH Dissertation Committee Member. “EVALUATION OF FUNCTIONAL MOVEMENT SCREENINGS AND HEALTH BEHAVIOR ASSESSMENTS TESTED AMONG GEORGIA SOUTHERN UNIVERSITY'S RESERVE OFFICER TRAINING CORPS (ROTC). (Community Health ). (January, 2017–December, 2018, Completed).

Advised: Gemma C. Skuraton

- 12- Dr. PH Dissertation Committee Member. “Bayesian approach for failure time models.”

Jiann-Ping Hsu College of Public Health (Biostatistics). (Augus, 2017 –2019, Completed).

Advised: Sarbesh Pandeya

- 13- Dr.PH Dissertation Committee Member. " MC-SIMEX approach for correcting bias for misclassification for log-logistic accelerated failure time models.”

Jiann-Ping Hsu College of Public Health (Biostatistics). (Augus, 2016 –august 2017, Completed).

Advised: Srinivasa Sevilimedu, Veeravalli

- 14- Dr.PH Dissertation Committee Member. Regression approach for correcting bias for misclassification for accelerated failure time.” Jiann-Ping Hsu College of Public Health (Biostatistics). (Augus, 2016 –present).

- 15- Advised: kotwoallama Reine Zerbo

- 16- Dr.PH Dissertation Committee Member. " DISASTER RISK ASSESSMENT OF EMERGENCY PREPAREDNESS IN GEORGIA’S PUBLIC HEALTH DISTRICTS USING THE GREaT HAZARD VULNERABILITY EVALUATION TOOL.”

Jiann-Ping Hsu College of Public Health (Leadership). (Augus, 2016 –2018, Completed).

Advised: Linda Expert

- 17- Dr.PH Dissertation Committee Member. " A Missing Data in Clinical Trial: A Critical Look at the Proportionality of MNAR and MAR Assumptions for Multiple Imputation.

”Jiann-Ping Hsu College of Public Health (Biostatistics). (Augus, 2015 – October 4, 2016, Completed).

Advised: Theophile Dipika

- 18- Dr.PH Dissertation Committee Member. " A QUANTITATIVE COMPARATIVE ANALYSIS OF PUBLIC HEALTH EMERGENCY PREPAREDNESS AND HEALTHCARE PREPAREDNESS PROGRAM PERFORMANCE IN GEORGIA” Jiann-Ping Hsu College of Public Health (Leadership). (Augus, 2015 –June, 2016, Completed).

- 19- Advised: SAROYI CHANDLER MORRIS

- 20- Dr.PH Dissertation Committee Member. "AN EXAMINATION OF THE IMPACT OF SOCIOECONOMIC STATUS ON PATIENT NAVIGATION

- ON BREAST CANCER PATIENTS ” Jiann-Ping Hsu College of Public Health (Leadership). (Augus, 2015 –Dec., 2017, Completed).
- 21- Advised: Webb Leigh
- 22- Dr.PH Dissertation Committee Chair. " More efficient cross-over Latin-square model in clinical studies based on ranked Auxiliary Variables." Jiann-Ping Hsu College of Public Health (Biostatistics). (August 18, 2014 – May, 2016, Completed).
- 23- Advised: Yisong Huang
- 24- Dr.PH Dissertation Committee Chair. " Simpler approach for mediation analysis for dichotomous mediators in Logistic regression: Application to children obesity using 2011-2012 National Survey of Children’s Health. Data" Jiann-Ping Hsu College of Public Health (Biostatistics). (August 18, 2014 – April 2016, Completed).  
Advised: Jingxian Cai
- 25- Dr.PH Dissertation Committee Chair. " More efficient complete randomized clinical studies using ranked Auxiliary Variables." Jiann-Ping Hsu College of Public Health (Biostatistics). (January 1, 2014 – March 2016, Completed.).
- 26- Advised: Rajai Jabra
- 27- Dr.PH Dissertation Committee Chair. " Racial and Geographical Disparities in premature mortality from colorectal cancer. " Jiann-Ping Hsu College of Public Health (Community Health). (June 1, 2014 – 7-6-2015, Completed).
- 28- Advised: James Allen Johnson
- 29- Dr.PH Dissertation Committee Member, " EXAMINING THE PREDICTORS AND PATTERNS OF ADULT PATIENT DEVIATIONS FROM COLORECTAL CANCER SCREENINGS AND DIAGNOSTIC TESTS" Jiann-Ping Hsu College of Public Health (Leadership). (August 20, 2013 – 2014, Completed).
- 30- Advised: Divine C. Offoegbu
- 31- Dr.PH Dissertation Committee Member, " OBESITY, FOOD INSECURITY AND THE IMPACT ON PERCEPTIONS AND BEHAVIORS TOWARD DIETARY NUTRITION IN LOW INCOME WOMEN IN GEORGIA " Jiann-Ping Hsu College of Public Health (Community Health emphasis). (August 20, 2013 – 10/2014, Completed).
- 32- Advised: Amanda Lowe-DuBose
- 33- Dr.PH Dissertation Committee Member, “EXPLICIT ESTIMATES FOR CELL COUNTS AND MODELING THE MISSING DATA INDICATORS IN THREE-WAY CONTINGENCY TABLE BY LOG-LINEAR MODELS," Jiann-Ping Hsu College of Public Health (Biostatistics). (August 20, 2013 – April 8, 2014, Completed).
- 34- Advised: HARESH ROHANI
- 35- Dr. PH Dissertation Committee Member, "Does patient navigation have an impact on time from diagnosis to treatment of breast cancer and cost of care for breast cancer patients?," Jiann-Ping Hsu College of Public Health. (September 4, 2012 – 2013, Completed).



- 36- Advised: Donna Kersey
- 37- Dr. PH. Dissertation Committee Chair, "A more efficient Steady State Gibbs sampling With Application to Public Health Data," Jiann-Ping Hsu College of Public Health. (January 21, 2011 – August 22, 2011, Completed)
- 38- advised: Martin Dunbar
- 39- Dr. PH Dissertation Committee Chair, " A study in suicide: A latent class-evidence based model for screening of suicidal behaviors among adolescents living in the united states from 1991-2011," Jiann-Ping Hsu College of Public Health. (January 21, 2011 – April 1, 2013, Completed.)
- 40- Advised: Ryan Butterfield.
- 41- Dr. PH. Dissertation Committee Member," The Influence of Federally Qualified Health Centers on Selected Ambulatory Care Sensitive Conditions in Georgia: Leadership emphasis, Jiann-Ping Hsu College of Public Health. (March 30, 2011 – June 28, 2012, Completed).
- 42- Advised: Mary Mathis
- 43- Dr. PH. Dissertation Committee Member", " Biostatistics emphasis (On Missing data project) Jiann-Ping Hsu College of Public Health. (September 6, 2011 – April 8, 2013, Completed).
- 44- Advised: Priyanka Thumar)
- 45- Dr. PH. Dissertation Committee Member", " Community Health emphasis (Emergency medical Services Role in Public Health Emergency Preparedness: A look at Organizational Configurations in the State of Georgia) Community Health emphasis, Jiann-Ping Hsu College of Public Health. (September 6, 2011 – August 14, Completed)
- Advised: Damian Macleod

### **Master's Degree at Georgia Southern.**

- 1- Master's Thesis Committee Member, " COMPARING k POPULATION MEANS WITH NO ASSUMPTION ABOUT THE VARIANCES. " Department of Mathematical Sciences. (March 1, 2014- April 7, 2014)  
Advised: Tony Yaacoub
- 2- Master's Thesis Committee Member, " COME INEQUALITY MEASURES AND STATISTICAL PROPERTIES OF WEIGHTED BURR-TYPE AND RELATED DISTRIBUTIONS. " Department of Mathematical Sciences. (October 24, 2013 – November 7, 2013).  
Advised: Meznah Al Buqami
- 3- Master's Thesis Committee Member, "Multivariate CUSUM and EWMA charts Based on the Sample Generalized Variance" Department of Mathematical Sciences. (October 31, 2013 – present).  
Advised: Yuxiang Li
- 4- Master's Thesis Committee Member, "The Generalized Lindley-Weibull Distribution with Applications to Lifetime Data " Department of Mathematical Sciences. (February 14, 2013 – June 26, 2013).

- Advised: Fidelis Mutiso
- 5- Master's Thesis Committee Member, "The Dagum-Weibull Distribution and related Weighted Distributions " Department of Mathematical Sciences. (February 14, 2013 – June 26, 2013).  
Advised: Benson Limited
- 6- Master's Thesis Committee Member, "Statistical Properties of Mc-Dagum Distribution" Department of Mathematical Sciences. (February 14, 2013 - April 5, 2013).
- 7- Advised: Rajasooriya Sasith
- 8- Master's Thesis Committee Member, "Weighted Feller-Pareto, Kumasramy-generalized Pareto and related Distributions " Department of Mathematical Sciences. (February 14, 2013 - April 5, 2013).
- 9- Advised: Oluseyi Odubote
- 10- Master's Thesis Committee Member, "Properties of weighted Generalized Beta Distribution of the Second Kind," Department of Mathematical Sciences. (February 14, 2012 - June 8, 2012).
- 11- Advised: Yuan Ye
- 12- Master's Thesis Committee Member, "Analysis of the family of Generalized Cumulative Sum Type Control Charts," Department of Mathematical Sciences. (February 14, 2012 - April 6, 2012).
- 13- Advised: Wenmin Wang
- 14- Master's Thesis Committee Member, Department of Mathematical Sciences. (February 14, 2012 - March 24, 2012).
- 15- Advised: Tao Yang
- 16- Master's Thesis Committee Member, "Weighted Generalization of Rayleigh Distribution and Related Class of Distribution," Department of Mathematical Sciences. (April 29, 2011 - Present).
- 17- Advised: Xueheng Shi
- 18- Master's Thesis Committee Member, "METHODS FOR COMPARING TWO MEANS WITH APPLICATION IN ADAPTIVE CLINICAL TRIALS," Department of Mathematical Sciences. (June 23, 2010).
- 19- Advised: Hu Fenjiao
- 20- Master's Thesis Committee Member. (June 23, 2010).
- 21- Advised: Ryan Roman
- 22- Master's Thesis Committee Member, "Analysis of Discrete Data Under Restrictions," Department of Mathematical Sciences. (January 10, 2010 - April 2, 2010).
- 23- Advised: Jeffery Campbell
- 24- Master's Thesis Committee Member, "Weighted Inverse Weibull and Beta-Inverse Weibull Distribution," Department of Mathematical Sciences. (January 10, 2010 - April 2, 2010).
- 25- Advised: Jing Kersey
- 26- Master's Project Committee Member, "Statistical Quality Control. Analysis of Means," Department of Mathematical Sciences. (May 1, 2007).  
Advised: Martin Dunbar

### **Capstones supervised at GSU.**

- 1- Supervised Research, " Risk factor of children dental health in USA based on National Survey of Children's Health (NSCH) (2011), (August 17, 2015 – present).  
Advised: Kavita Gohil
- 2- Supervised Research, " Risk factor of children obesity in USA based on National Survey of Children's Health (NSCH) (2011), (January 17, 2015 – present).  
Advised: Uche Duvie
- 3- Supervised Research, " Risk factor children Asthma in USA based on National Survey of Children's Health (NSCH) (2011), (November 20, 2014 – present).  
Advised: Chen Mo
- 4- Supervised Research, " Prospective Study: Prediction of Heart Failure Events or Left Ventricular Dysfunction in Young Adults. (January 17, 2013 – May 10, 2013).  
Advised: Kelly Tan
- 5- Supervised Research, "Disparity of women's obesity living in refugee's camps.," Jiann-Ping Hsu College of Public Health. (August 21, 2010 - Present).  
Advised: Rajai Jabra
- 6- Supervised Research, "Merging Health issues in Georgia," Jiann-Ping Hsu College of Public Health. (March 20, 2009 - August 5, 2009).  
Advised: Bishwajit Roy
- 8- Supervised Research, "Disparities of Children disabilities in Georgia," Jiann-Ping Hsu College of Public Health. (May 1, 2009 - July 22, 2009).  
Advised: Rohit Tyagi
- 10- Supervised Research, "Disparities of Children Asthma in Georgia," Jiann-Ping Hsu College of Public Health. (January 15, 2009 - May 10, 2009).  
Advised: Chunfeng Ren
- 12- Supervised Research, "Children's Insurance Disparity in Georgia: In Comparison with Other States Using Test of Homogeneity for Partially Matched-Pair Data," Jiann-Ping Hsu College of Public Health. (August 15, 2008 - December 10, 2008).  
Advised: WILSON KOECH

### **Undergraduate Research**

- 1- Supervised Research, "Sultan Qaboos University Students attitude towards working in the public or private sector," Department of Mathematical Sciences. (September 2002 - May 2003).
- 2- Advised: Hashem Al-Hashmi, Abdulsalam Al-Barzenji
- 3- Supervised Research, "On Kidney failure risk factors in Sultanate of Oman.," Department of Mathematical Sciences. (September 2002 - May 2003).
- 4- Advised: Mousa Al-Kindi, Khaled Al- Harthi
- 5- Supervised Research, "On regression analysis using sequential ranked set sampling with application to medical data," Department of Mathematical Sciences. (September 2002 - May 2003).

- 6- Advised: Nasser Al Khayari, Sulaiman Al-Rawahi
- 7- Supervised Research, "Different ranked set sample schemes for unequal set size with the application.," Department of Mathematical Sciences. (September 2001 - May 2002).
- 8- Advised: Muna Al\_Mahrooqi, Thouriya Al-Bousaudi
- 9- Supervised Research, "Student attitude towards using Internet," Department of Mathematical Sciences. (September 2000 - May 2001).
- 10- Advised: Hamed Al-Fahd, Dhafer AlShukeili
- 11- Supervised Research, "SQU Student attitude towards using computer," Department of Mathematical Sciences. (September 2000 - May 2001).
- 12- Advised: Shaiy Al-Mamaari

#### **Master Thesis Supervising or Co-advising: at Yarmouk University/Jordan**

- 1- Master's Thesis Committee Chair, "Optimal Sign Test For One-Sample Bivariate Location Model Using Alternative Bivariate Ranked Set Sampling." (January 2006 - July 2006).  
Advised: Nuha Alzubaidi
- 2- Master's Thesis Committee Chair, "On Double Ranked Samples with Application to Ratio and Regression Estimators.." (January 2001 - August 2001).
- 3- Advised: Eman Tawalbeh
- 4- Master's Thesis Committee Chair, "Stratified Extreme Ranked Set Sample with Application to Ratio estimation." (February 1999 - March 2000).
- 5- Advised: Laith Jamal
- 6- Master's Thesis Committee Chair, "Regression Analysis Using Ranked Set Sample." (May 1999 - January 2000).
- 7- Advised: Faisal Ababneh
- 8- Master's Thesis Committee Chair, "Regression Estimation Using Extreme Ranked Set Sample." (January 1999 - September 1999).
- 9- Advised: Ahmed Samerae
- 10- Master's Thesis Committee Chair, "Ratio Estimation using Stratified Ranked set sample." (January 1, 1998 - August 1, 1998).
- 11- Advised: Mahmoud Siam
- 12- Master's Thesis Committee Chair, "Extreme Ranked Set Sampling with application to the estimation of Distribution function and percentiles." (January 1, 1998 - August 1, 1998).
- 13- Advised: Omar Omar Al-Saker
- 14- Master's Thesis Committee Chair, "Discriminate Analysis for Birth Measure Data Obtained from Princess Rahma Hospital in Irbid-Jordan." (January 1997 - April 1998).
- 15- Advised: Loai Al-Zou'bi
- 16- Master's Thesis Committee Chair, "Power Estimation for Two-sample Tests Using Balanced resampling." (January 1997 - August 1997).
- 17- Advised: Raed Abu Awwd

- 18- Master's Thesis Committee Chair, "Importance resampling using Chi-square tilting."  
(January 1, 1996 - November 1, 1996).
- 19- Advised: Ahmad Bany Mustafa

## RESEARCH

### Refereed Journal Articles

#### Peer-Reviewed Accepted

1. Abbas Eftekharian, **Hani Samawi**, and Haresh Rochani (2022). On kernel-based estimator of odds ratio using different stratified sampling schemes. Accepted in *Statistics, Optimization & Information Computing*.

#### Published

1. .Kersey, Jing; **Samawi, Hani**; Yin, Jingjing; Rochani, Haresh; Zhang, Xinyan (2022). On Diagnostic Accuracy Measure with Cut-points Criterion for Ordinal Disease Classification Based on Concordance and Discordance. *Journal f Applied Statistics*.  
<https://doi.org/10.1080/02664763.2022.2041567>
2. **Hani Samawi**, Haresh Rochani and Kavita Gohil (2022). Mean Functional estimation with Non-Ignorable Missing Data Using Influential Exponential Tilting Resampling Approach. First Online in *Statistical Computation and Simulation*.  
<https://doi.org/10.1080/00949655.2022.2028786>
3. Jingjing Yin, **Hani Samawi**, Lili Itian (2022). "Joint inference about the AUC and Youden index for paired biomarkers. *Statistics in Medicine*, 41(1), 37-64.  
<https://doi.org/10.1002/sim.9222>
4. Rola, M. Musleh, Amal Helu, and **Hani Samawi** (2022). Kernel-based estimation of  $P(X < Y)$  when X and Y are dependent random variables based on progressive type-II censoring. Accepted in *Communication in Statistics: Theory and Methods*. 51(8), 2368-2384 <https://doi.org/10.1080/03610926.2020.1774058>
5. **Hani Samawi**, Din Chen, Ferdous Ahmad, and Jing Kersey (2021). Medical Diagnostics Accuracy Measures and Cut-point Selection: An Innovative Approach Based on Relative Net Benefit. Online first in *Communications in Statistics: Theory and Methods*. <https://doi.org/10.1080/03610926.2021.2001016>
6. **Hani Samawi** and Din Chen (2021). Ranked simulated resampling: more efficient and accurate resampling approximations for bootstrap inference. *Journal of Statistical Computation and Simulation*, 91(18), 3709-3720.  
<https://doi.org/10.1080/00949655.2021.1946065>
7. **Hani Samawi**, Jingjing Yin, Haresh Rochani, Chen Mo, and Jing Kersey (2021). Post-test diagnostic accuracy measures of a continuous test with a disease of ordinal multi-stages. Online in *Statistics in Biopharmaceutical Research*.  
<https://doi.org/10.1080/19466315.2021.1873841>

8. Amal Helu and **Hani Samawi** (2021). Statistical Analysis Based on Adaptive Progressive Hybrid Censored Data from Lomax Distribution. *Stat. Optim. Inf. Comput.*, 9, 789–808. <http://www.iapress.org/index.php/soic/article/view/1330>
9. Abbas Eftekharian and **Hani Samawi** (2021). On kernel-based quantile estimation using different stratified sampling schemes with optimal allocation. *Journal of Statistical Computation and Simulation*, 91 (5), 1040- 1056. <https://doi.org/10.1080/00949655.2020.1839900>
10. Haresh Rochan, **Hani Samawi**, Amal Helu and Xinyan Zhang (2021). Quantiles Naïve, Ratio and Difference Estimators for Efficient Stratified Sampling Designs. Published first online in Journal of the Korean Statistical Society. <https://doi.org/10.1007/s42952-021-00152-2>
11. Ehsan Zamanzade\* , M. Mehdizadeh † and **Hani M. Samawi** (2020). Efficient estimation of cumulative distribution function using moving extreme ranked set sampling with application to reliability. *AStA Advances in Statistical Analysis*.104, 485-502. <https://doi.org/10.1007/s42952-019-00022-y>
12. **Hani Samawi**, Jingjing Yin; Xinyan Zhang, Lili You, Haresh Rochani Robert Vogel and Chen Mo (2020). Applications of Kullback-Leibler Information as a Measure of Diagnostic Accuracy. *Journal of Applied Bioinformatics & Computational Biology* 9:2, 1-10. DOI: [10.37532/jabcb.2020.9\(2\).168](https://doi.org/10.37532/jabcb.2020.9(2).168)
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**Submitted**



1. Kersey, Jing; **Samawi, Hani**; Yin, Jingjing; Rochani, Haresh; Zhang, Xinyan (2021). Justification of Youden Index with Comparison to MADET Measure of Diagnostic Accuracy for k-stage Disease. Submitted to *Statistics in Medicine*
2. Amal Helu and **Hani Samawi** (2020). On Accelerated Failure Time Models Performance under Progressive Type-II Censoring. Submitted to Journal of *Reliability Engineering and System Safety*
3. Abbas Eftekharian and **Hani Samawi** (2020). On Kernel-based Estimation of Distribution Function and its Quantities Based on Ranked Set Sampling. Submitted to the *Journal of Statistical Computation and Simulation* (GSCS)
4. Jeffrey Klibert,..., **Hani Samawi** (2020). Increasing Character Strength Knowledge, Interest, and Skill: Preliminary Evidence for a Collaborative and Multimethod Assessment Procedure. Submitted to *Counselling Psychology*
5. Zahid Khan, Muhamamd Ismail and **Hani Samawi** (2020). Modified Truncation-Based Ranked Set Sampling. Submitted to PLOS ONE
6. Mo, Chen; **Samawi, Hani**; yin, jingjing; Rohani, Haresh; Zhang, Xinyan (2020). A new diagnostic accuracy and optimal cut-point selection measure for multi-stage diseases via generalized total Kullback-Leibler divergence. Submitted to *Statistical Methods in Medical Research*.
7. Deborah Kanda, **Hani Samawi**, Xinyan Zhang, Jingjing Yin, (2020). Efficient sampling of big data containing count endpoints with excess zeros. Submitted to *Statistical Papers*
8. **Hani Samawi**, Lili Yu, and JingJing Yin. (2020). Further Improve the Analysis Performance of Cox-Proportional Hazards Model by Using More Efficient Sampling Method. Submitted to Journal of **Lifetime Data Analysis**
9. **Hani Samawi**, Haresh Rochani and Kavita Gohil (2020). Mean Functional estimation with Non-Ignorable Missing Data Using Influential Exponential Tilting Resampling Approach. Submitted to *Statistical Computation and Simulation*.
10. Deborah Kanda, JingJing Yin, Xinyan Zhang and **Hani Samawi** (2020). Efficient ranking-based regression on Big Count data of Excess Zeros and its Application to Social media. Submitted to *Informatics*
11. Viral Panchal , Daniel Linder, and **Hani M Samawi** (2019). Posterior propriety of global shrinkage rules in high dimensional multivariate Bayesian variable selection. Submitted to *Statistics & Probability Letters*.
12. Kandra Dabrah,, Abby, JingJing Yin and **Hani Samawi** (2020). The efficiency of ranking in count data with excess zeros" has been submitted to journal '*Informatics*'
13. **Hani M. Samawi** ,Kavita Gohil, Jing Kersey, Chen Mo, and Jingjing Yin (2020). Valid Common Odds Ratio Estimators Using Different Stratified Sampling Schemes. Submitted to *Journal of Statistical Computation and Simulation*

## Published

**Samawi, H. M.** (1999). Importance of Using the Advance Statistical Methods in Analyzing Demographic and Other Available Research Data. (*Population and Development Published by The General Secretariat of the National Commis (NPC/GS)*), 5, 81-95.

## Refereed Conference Proceedings

Lmeke, J. H., **Samawi, H. M.** (1995). *Establishment of Normal Limits for Speech Characteristics* (pp. LEM-1 to LEM-11). Iowa City, IA: In D. Wong (Ed.), Workshop on Acoustic Voice Analysis Iowa City, IA: National Center for Voice and Speech. LEM-1-LEM-11.

## Books, Chapters in Books, Monographs

### Published

1. Samawi. H. M. (2021). Publication bias using R and Stata. Accepted in Introduction to Meta Analysis using R and Stata. Din Chen and Karl Peace
2. **Samawi, H. M.** (2020). On Improving the Performance of Logistic Regression Analysis Via Extreme Ranking. Computational and Methodological Statistics and Biostatistics. Springer Series in Statistical Texts in 2020. Editors: Andriette Bekker and Din Chen . PP 349-365.
3. **Samawi, H. M.** (2017). Comparative Health Systems: Jordan. Second addition, In James Johnson, Carleen Stoskopf and Leiyu Shi. Comparative Health Systems Global Perspective (2nd ed., pp. 297-312). Sudbury, MA: Jones and Bartlet Publishers. [www.jbpub.com](http://www.jbpub.com)
4. **Hani Samawi** (2017). Improving the Efficiency of the Monte-Carlo Methods Using Ranked Simulated Approach. D.-G. Chen and J.D. Chen (eds.), *Monte-Carlo Simulation-Based Statistical Modeling, ICSA Book Series in Statistics*, [DOI 10.1007/978-981-10-3307-0\\_2](https://doi.org/10.1007/978-981-10-3307-0_2)
5. **Hani Samawi** and Robert Vogel (2015). On inference of Partially Correlated Data with Applications to Public Health Issues. *Innovative Statistical Methods for Public Health Data*. Springer International Publishing. [DOI 10.10007/978-3-319-18536-1\\_3](https://doi.org/10.10007/978-3-319-18536-1_3).
6. **Hani Samawi** and Robert Vogel (2015). On ranked Set Sampling Variation and Its Applications to Public Health Research. *Innovative Statistical Methods for Public Health Data*. Springer International Publishing. DOI 10.10007/978-3-319-18536-1\_3.
7. **Hani M Samawi**, James H Stephens, Gerald R Ledlow, and Ren Chunfeng. (2015). (Chapter 10). Childhood asthma in Georgia. *Child and Adolescent Health Issues (A Tribute to the Pediatrician Donald E Greydanus)(PP103-111)*. (Extracted from my



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8. **Hani M Samawi**, James H Stephens, Gerald R Ledlow, and Ren Chunfeng. (2013). Childhood asthma in Georgia: Comparison against the nation. *Public Health Yearbook 2013. (Extracted from my paper published 2013.)* Nova Science Publishers © Copyright 2004 – 2013  
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  10. Madanat, H., **Samawi, H. M.** (2009). Comparative Health Systems: Jordan. In James Johnson and Carleen Stoskopf (Ed.), *Comparative Health Systems Global Perspective* (1st ed., vol. 1, pp. 259-272). Sudbury, MA: Jones and Bartlet Publishers. [www.jbpub.com](http://www.jbpub.com)

## Refereed Presentations and conferences

- 1- **Hani Samawi (Attending).** Momentum Summit IV. Zooming online (2/22/2021-03/05/2021).
- 2- **Hani Samawi (Author and presenter), Jing Kersey, JingJing Yin, Chen Mo and Haresh Rochani;** New post-test diagnostic accuracy measures of a continuous test based on the average predictive values.,(Special Day for Statistics, Georgia Southern University, Department of Mathematical Sciences, On 10/30/2020).
- 3- **Hani Samawi.** Twenty-Seventh Annual of “Biopharmaceutical Applied Statistics Symposium. BASS XXVII (September 9 and 10, 2020) (Online)
- 4- **Hani Samawi\*** (Author and presenter), Xinyan Zhang, Haresh Rohani. On Efficient Logistic Regression Analysis Via Extreme Ranking (3/22/2020-3/25/2020, ENAR 2020 (online)
- 5- **Hani Samawi (attended section as councilor).** American Public Health Association (APHA) in Philadelphia, November, 2-6, 2019.
- 6- **Hani Samawi (attended as department chair)** Southern Regional Council of Statistics. (SRCOS) in Augusta October 11-12, 2019.
- 7- **Hani Samawi: (Invited speaker)** International Symposium on Statistics and Biostatistics (ISBS) at the University of Pretoria from 17 - 20 July 2019. Title “On Improving the Performance of Logistic Regression Analysis via Extreme Ranking”
- 8- **Hani Samawi\*** (Author and presenter), JingJing Yin, Xinyan Zhang, Lili Yu, Haresh Rochani and Robert Vogel. Applications of Kullback-Leibler Divergence in Medical Diagnostics and Cut-point Selection Criterion (3/24/2019-3/27/2019, ENAR 2019, Philadelphia, PN)

- 9- **Hani Samawi\*** (Author and presenter), JingJing Yin, Arpita Chatterjee and Haresh Rohani. On quantiles estimation based on different stratified sampling with optimal allocation. Notes on Kernel-Based Mode Estimation Using More Efficient Sampling Designs (3/25/2018-3/28/2018, ENAR 2018, Atlanta, GA)
- 10- **Hani M. Samawi** (Presenter and Author). Simpler Approach for Mediation Analysis for Dichotomous Mediators in Logistic Regression. ( 2017). APHA meeting, Atlanta, GA.)
- 11- **Hani Samawi\*** (Author and presenter), Haresh Rochani, JingJing Yin, Daniel Linder and Robert Vogel Notes on Kernel-Based Mode Estimation Using More Efficient Sampling Designs (3/11-3/15/2016, ENAR 2017, Washington DC)
- 12- **Hani M. Samawi** (Presenter and Author). More efficient Proportional Hazard Model Analysis using Moving Extreme Ranked Set Sampling. ( 2016). APHA meeting, Denver, CO.)
- 13- Uche Duvie (Author) and **Hani Samawi** (Author and presenter). Risk factor of children obesity in USA based on National Survey of Children's Health (NSCH) (2011-2012). (4-15-2016, Research Symposium, 2016, Georgia Southern University.)
- 14- Kavita Gohil (Author and presenter) and **Hani Samawi** (Author). Risk factor of children dental health in USA based on National Survey of Children's Health (NSCH) (2011-2012). (4-15-2016, Research Symposium, 2016, Georgia Southern University.
- 15- Yisong Huang\* and **Hani Samawi** (Author). More Efficient Treatment Comparison in Cross-Over Design by Allocating Subject Based on Ranked Auxiliary Variables. ( 3/6-3/9/2016, ENAR 2016, Austin ,TX)
- 16- Jingjing Yin\*, Lili Tian and **Hani Samawi** (Author). Comparing Paired Diagnostic Tests Based on Joint Testing of the AUC and the Youden Index. ( 3/6-3/9/2016, ENAR 2016, Austin, TX)
- 17- Viral V. Panchal\*, Daniel Linder and **Hani Samawi** (Author). The Bayesian Multivariate Regression for High Dimensional Longitudinal Data with Heavy-Tailed Errors. ( 3/6-3/9/2016, ENAR 2016, Austin, TX)
- 18- Daniel F. Linder, Haresh D. Rohani\*, **Hani M. Samawi** (Author) and Viral V. Panchal Multivariate Mean Estimation Under Efficient Sampling Designs( 3/6-3/9/2016, ENAR 2016, Austin, TX)
- 19- **Hani Samawi** (Author), Jingxian Cai\*, Harish Rohani and Daniel Linder. Simpler Approach for Mediation Analysis for Dichotomous Mediators in Logistic Regression (3/6-3/9/2016, ENAR 2016, Austin, TX)
- 20- **Hani Samawi\*** (Author and presenter), Haresh Rochani, JingJing Yin, Daniel Linder and Robert Vogel Notes on Kernel-Based Mode Estimation Using More Efficient Sampling Designs (3/6-3/9/2016, ENAR 2016, Austin, TX)
- 21- **Hani M. Samawi** (Presenter and Author). More efficient Logistics Regression Analysis using Moving Extreme Ranked Set Sampling. (October 31- November 4, 2015). APHA meeting, Chicago, IL.)
- 22- **Samawi Hani** (attended). SCT: Society for Clinical trials 36<sup>th</sup> annual meeting. Arlington , Virginia: May 17-20, 2015.

- 23- **Samawi Hani (Presenter and Author)** , Rajai Jabra (Author only), Robert Vogel (Author only) and Daniel Linder (Author only). Improving inference of some clinical studies using ranked Auxiliary covariate. (March 15-March 18, 2015, ENAR Biometric Meeting, Miami Florida).
- 24- **Samawi Hani** (Presenter and Author) , Rajai Jabra (Author only), Robert Vogel (Author only) and Daniel Linder (Author only). Improving inference of some clinical studies using ranked Auxiliary covariate. (May 24, 2015, Research Symposium, Georgia Southern University, Statesboro, GA).
- 25- Lili Yun (Author), **Hani Samawi (Author)**, Daniel Linder (Author), Arpita Chatterjee (Author), Yisong Huang (Author and Presenter) and Robert Vogel (Author). On Stratified Bivariate Ranked Set Sampling with Optimal Allocation for Naive and Ratio Estimators. (March 15-March 18, 2015, ENAR Biometric Meeting, Miami Florida).
- 26- Haresh D. Rochani (Author and Presenter), Robert L. Vogel (Author), **Hani M. Samawi (Author)** and Daniel F. Linder (Author). Explicit Estimates for Cell Counts and Modeling the Missing Data Indicators in Three-Way Contingency Table by Log-Linear Models (March 15-March 18, 2015, ENAR Biometric Meeting, Miami Florida).
- 27- Jingjing Yin (Author and Presenter), **Hani Samawi (Author)**, Chen Mo (Author) and Daniel Linder (Author). Improved Estimation of Diagnostic Cut-Off Point Associated with Youden Index Using Ranked Set Sampling. March 15-March 18, 2015, ENAR Biometric Meeting, Miami Florida).
- 28- Arpita Chatterjee (Author only), **Hani Samawi (Author only)** , Lili Yu, Daniel Linder, Jingxian Cai (Author and presenter ), and Robert Vogel (Authors only). Regression Estimators Using Stratified Ranked Set Sampling (June 16, 2014, ICSA-KISS-2014 Applied Statistics Symposium, Portland).
- 29- Arpita Chatterjee (Author only), **Hani Samawi (Author and Presenter)** , Lili Yu, Daniel Linder, Jingxian Cai, and Robert Vogel (Authors only). Regression Estimators Using Stratified Ranked Set Sampling an application to Bilirubin level in jaundice babies who stay in neonatal intensive care. (May 28-30, 2014, STEM-Summit, Georgia Southern University).
- 30- Arpita Chatterjee (Author only), **Hani Samawi (Author and Presenter)** , Lili Yu, Daniel Linder, Jingxian Cai, and Robert Vogel (Authors only). Regression Estimators Using Stratified Ranked Set Sampling an application to Bilirubin level in jaundice babies who stay in neonatal intensive care. (April 15, 2014, Research Symposium, Georgia Southern University).
- 31- **Samawi, H. M.( Presenter & Author)**, Ryan, B., and Jeff, K.. (Authors Only), ENAR/ Biometric, " Application of latent class analysis for screening test of adolescents suicidal behavior in United States (1991-2011 YRBSS Survey). ENAR," Biometrics Association, ASA, Baltimore, MD (March 16-19, 2014)
- 32- **Samawi, H. M.( Presenter & Author)**, Vogel, R. (Author Only), ENAR/ Biometric, " Simple tests of diagonal symmetry for bivariate distributions. ENAR," Biometrics Association, ASA, Orlando, Florida (March 10-13, 2013)

- 33- **Samawi, H. M. (Presenter & Author)**, APHA Annual Meeting, "Daily Walking and Life Expectancy of Elderly People in the Iowa 65+ Rural Health Study.," APHA, San Francisco. (October 27, 2012).
- 34- **Samawi, H. M.( Presenter & Author)**, Vogel, R. (Author Only), ENAR/ Biometric, " General Pivotal Goodness of fit test based on Kernel Density Estimation. ENAR," Biometrics Association, ASA, Washington DC. (April 1, 2012)
- 35- **Samawi, H. M. (Presenter & Author)**, Vogel, R. (Author Only), APHA Meeting, " More Efficient Nonparametric Test of Symmetry Based on the Overlapping Coefficient Using Extreme Ranked Set Sample Application to Noninvasive Measurement of cardiac output by Electrical Velocimetry in Neonates," APHA, Washington DC. (November, 2011).
- 36- **Samawi, H. M.( Presenter & Author)**, Dunbar, M. (Author Only), Chen, D. (Author Only), ENAR/ Biometric, "Steady-State Gibbs sampling," Biometrics Association, ASA, Miami, FL. (March 22, 2011)
- 37- **Samawi, H. M. (Presenter & Author)**, Stephens, J. H. (Author Only), Ledlow, J. R. (Author Only), APHA Meeting, "Childhood Asthma in Georgia: Comparison with other States Together," APHA, Denver, Colorado. (November 10, 2010).
- 38- **Samawi, H. M. (Author and Presenter)**, Vogel, R. L. (Author Only), Helu, A. (Author Only), ENAR / Biometric, "A Nonparametric Test of Symmetry Based on the Overlapping Coefficient," Biometric Society, New Orleans, LA. (March 24, 2010).
- 39- **Samawi, H. M. (Presenter & Author)**, ENAR, "On some nonparametric tests for partially correlated data," Biometrics, San Antonio, TX. (March 18, 2009).
- 40- **Samawi, H. M. (Presenter & Author)**, Vogel, R. L. (Author Only), ENAR Spring meeting, "On distribution-free Runs Test for symmetry using Median Ranked Set Sampling," International Biometric Society, Eastern North America Region, Arlington, VA USA. (March 19, 2008).
- 41- **Samawi, H. M. (Presenter & Author)**, JSM, Joint Statistical Meeting, "Optimal Sign Test for one Sample Bivariate Location Model Using an Alternative Bivariate Ranked Set Sample," ASA, IBS, IMS, Salt Lake City, Utah, USA. (August 1, 2007).
- 42- **Samawi, H. M. (Presenter & Author)**, International Conference on Advances in Interdisciplinary Statistics and Combinatory, "Optimal Sign Test for Bivariate Ranked Set Sample for Matched Pairs Sign Test," North Carolina Chapter of ASA, Greensboro, North Carolina, USA. (October 13, 2007).
- 43- Coleman, K. M. (Presenter & Author), Welshimer, K. J. (Author Only), **Samawi, H. M. (Author Only)**, Ogletree, R. J. (Author Only), Sarvela, P. (Author Only), Ritzel, D. O. (Author Only), American Alliance for Health, Physical Education, Recreation, and Dance, "Assessing African-American Christians' Motivational Factors for Participation in HIV/AIDS Ministry," AAHE, Baltimore, MD. (March 2007).
- 44- **Samawi, H. M. (Presenter & Author)**, MAA/SIAM-SE Conference, "Inference on Overlapping Coefficients in Two Exponential Populations Using Ranked Set sampling," Mathematical American Association and SIAM, Statesboro, Georgia. (March 16, 2007).

- 45- **Samawi, H. M. (Presenter & Author)**, ENAR Spring Meeting, "The Matched Pairs Sign Test using Bivariate Ranked Set Sampling," Atlanta, GA. (March 11, 2007).
- 46- **Samawi, H. M. (Presenter & Author)**, WNAR/IMS Meeting, "On the Approximation of Multiple Integrals using Multivariate Ranked simulated Sampling," IBS, IMS and Biometric society, Fairbanks, Alaska, USA. (June 22, 2005).
- 47- **Samawi, H. M. (Presenter & Author)**, UAE-MATH-DAY, "Bivariate Sign Test For One-Sample Bivariate Location Using Ranked Set Sample," American University of Sharjah, UAE, Sharjah, UAE. (April 1, 2004).
- 48- **Samawi, H. M. (Presenter & Author)**, Conference on the 1995 Survey on the household energy consumption in Jordan, "Investigating the effect of some factors on households electricity consumption for the 1995 survey," Ministry of minerals and energy, Amman, Jordan. (November 12, 2000). (Invited)
- 49- **Samawi, H. M. (Presenter & Author)**, First Conference/Third Science Day, Faculty of Science at Jordan University of Science and Technology, "On Double Extreme Ranked Set Sample with Application to Regression Estimator," Jordan University of Science and Technology, Irbid, Jordan. (May 10, 2000).
- 50- **Samawi, H. M. (Presenter & Author)**, Second Science Day, Faculty of Science at Jordan University of Science and Technology, "Ratio Estimation using Stratified ERSS," Jordan University of Science and Technology, Irbid, Jordan. (May 12, 1999).
- 51- **Samawi, H. M. (Presenter & Author)**, Genstat99, "Ratio Estimation Using Extreme RSS," GenStat Society, Loran, Australia. (February 4, 1999).
- 52- **Samawi, H. M. (Presenter & Author)**, 10th Annual Conference on Applied Statistics in Agriculture, "More Efficient Monte Carlo Method Using RSS," Kansas State University, Manhattan, Kansas, USA. (April 26, 1998).
- 53- **Samawi, H. M. (Presenter & Author)**, Fourth Jordanian Math. Science Conference, "Importance Resampling Using Logistic Tilting," Jordanian Mathematical society, Irbid, Jordan. (September 22, 1998).
- 54- **Samawi, H. M. (Presenter & Author)**, Workshop on Mathematics of Computing, "Health Care and Survival of Children: Data form 1994 Jordanian Health Survey," Jordan University of Science and Technology, Irbid, Jordan. (November 11, 1996).
- 55- **Samawi, H. M. (Presenter & Author)**, The 36 week of Science, "Two-Samples Importance Resampling," Syria high education system, Aleppo, Syria. (November 24, 1996).
- 56- **Samawi, H. M. (Presenter & Author)**, Third Jordanian Math. Science Conference, "Health Care and Survival of Children: Data form 1994 Jordanian Health Survey," Jordanian Mathematical Society, Irbid, Jordan. (August 24, 1996).

### **Invited Presentations**

1. **Hani M. Samawi** (Presenter and Author. More efficient Logistics Regression Analysis using Moving Extreme Ranked Set Sampling. Statistics Seminar, Department of Mathematical Sciences at Georgia Southern University, Statesboro, GA (10-2-2015)

2. **Hani Michel Samawi** (Presenter & Author) Ryan Butterfield, (Author) and Jeff Klibert (Author)"Application of latent class analysis for screening test of adolescents suicidal behavior in United States (1991-2011 YRBSS Survey). Disease Dynamic Seminar (DDS) Seminar at JPHCOP Georgia Southern University, Statesboro, GA. (April 25, 2014). (Invited)
3. **Samawi, H. M.** (Presenter & Author), Statistics Seminar, "Distribution-free run test of symmetry using varied ranked set sample," Department of Mathematical Sciences at Georgia Southern University, Statesboro, GA. (October 27, 2008). (Invited)
4. **Alberto, J. E.**, Albertson, K. S., Cairney, T. D., Cohen, R. A., Levernier, W. B., Price, B. (Moderator and Panelist), **Samawi, H. M.**, Stephens, J. H., Trimble, S. B., New Faculty, "Assessment of Student Learning for the Assurance of Student Learning," Center for Excellence in Teaching, GSU. (August 8, 2008).
5. Price, B., Alberto, J. E., Albertson, K. S., Cairney, T. D., **Samawi, H. M.**, Faculty Series (Seminars by Faculty for Faculty), "Assessing Student Learning," Center for Excellence in Teaching, Georgia Southern University CIT. (March 4, 2008). (Invited)
6. Malcolm, N. L. (Presenter & Author), Alberto, J. E. (Presenter & Author), Price, B. (Presenter & Author), Rittschof, K. (Presenter & Author), Adhikari, D. N. (Author Only), Trimble, S. B. (Author Only), **Samawi, H. M. (Author Only)**, New Faculty Forum, "Assessment 101: What Is It and Why Do We Do It?," Center for Excellence in Teaching, Statesboro, GA. (August 3, 2007). (Invited)

## Contracts, Grants and Sponsored Research

### Recently Funded

1- Shah, G. (PI), **Samawi, H.** (Investigator) (2021). The TRaining in Informatics for Underrepresented Minorities in Public Health (TRIUMPH). Consortium included the University of Minnesota, Georgia Southern University, Bethune-Cookman University, University of South Florida, and 4 public health organizations (Georgia Coastal; HealthIE Georgia; Minnesota Department of Health; and Volusia County Health Department). The proposed budget was \$1.87 million. The JPHCOPH will provide Public Health Information and Technology (PHIT) training to 140 students over the 4-year project period and will include the development of a new online MPH concentration in Public Health Informatics. JPHCOPH will also offer training through the Area Health Education Center and the continuing education program.

### Funded

1. Evans Afriyie-Gyawu (PI), Becky Larson (Co-PI), **Hani Samawi** (Co-I), & Joseph Telfair (Co-I).” Reducing Food Waste as Part of Sustainability Efforts on Georgia Southern Campus”. Sponsored Sustainability grant Georgia Southern University. Award (\$26,470). (August 1, 2017-July 31, 2018).

2. **Samawi, Hani Michel** (PI), Daniel Linder (Co-PI) "Developing new method of evaluating and testing mediation effect when the mediators and the outcome variables are dichotomous. Application to children data. Sponsored by Research Seed Funding Award \$10,000. (July 1, 2014 to May 30, 2015).
3. **Samawi, Hani Michel** (Principal, subcontract with SSU), Vogel, Robert L (co-Principal, subcontract,SSU), Contract, "Identifying Risk Factors Contributing to Obesity in Chatham County, GA Neighborhoods (RIMI SSU NIH Grant)," Sponsored by NIH, Federal, \$32,750. (Cost of consulting) (May, 2012 - August 31, 2014).
4. **Samawi, Hani Michel** (Principal), Grant, "Travel grant for Faculty Development," Sponsored by Center for Teaching, Learning and Scholarship, Georgia Southern University, \$1,147.02. (December 1, 2010 - March 23, 2011).
5. **Samawi, Hani Michel** (Principal), Vogel, Robert L (Principal), Contract, "University a research training and capacity/infrastructure development grant award for the Research Infrastructure for Minority Institutions (RIMI) Program (Grant Award # 1P20MD003941), entitled "Strengthening Research Collaborations in Health Disparities.," Sponsored by NIH, Federal, \$9,746.00. (August 24, 2010 - August 31, 2011).
6. **Samawi, Hani Michel** (Principal), Grant, "Developing more efficient tests of symmetry based on ordered samples and overlapping measures: Application to Public Health Problems," Sponsored by Georgia Southern University/ Catalyst, Georgia Southern University, \$12,354.00. (February 1, 2009 - May 31, 2010).
7. **Samawi, Hani Michel** (Principal), Grant, "Simulation Study to Investigate the Performance of Runs Test for Symmetry Using Median Ranked Set Sampling and its Applications to Public Health Problems," Sponsored by Georgia Southern University, Georgia Southern University, \$7,008.00. (January 11, 2008 - May 30, 2009).
8. **Samawi, Hani Michel** (Supporting), Contract, "Verification of the Neutralizer process as a PFRP equivalent process for biosolids Disinfection," Sponsored by BioChem Resources, Private, \$1,100.00. (January 13, 2009 - February 2, 2009).
9. **Samawi, Hani Michel**, Contract, "relationship between water intake and children Health issues in Jordan," Sponsored by WHO, Other, \$12,000.00. (January 1, 2006 - December 31, 2006).
10. Verdolini, Katherine (Principal), **Samawi, Hani Michel** (Supporting), Contract, "Statistical consultation and data analysis on voice and speech pathology," Sponsored by Center for the Neural Basis of Cognition4033 Forbes Tower, Pittsburgh, PA, Other, \$20,000.00. (September 1, 2001 - September 30, 2004).
11. **Samawi, Hani Michel**, Contract, "Attitudes of Jordanian people toward the new rules of the 1996 election for the lower house of Parliament," Sponsored by Jordanian Statistics Department, \$13,000.00. (May 1, 1997 - August 31, 1997).

## Not Funded

12. **Samawi, Hani Michel** (Principal Investigator), Harlech Rochani (Investigator), JingJing Yin (Investigator), Andrew Hansen (Investigator). Grant of Methodology and Measurement in the Behavioral and Social Sciences (R21), PAR-16-261. Project Title:

- Simpler Approaches for Multiple Dichotomous Mediators for Logistic Regression Models. (\$379,307). (January 1, 2018-Dec.31, 2020).
13. Evans (PI), **Samawi, H.** et al. (co-investigator). Toxicological and Health Impact of Scrap Tire Burning for Singeing Meat in Africa. (R15) NIH. (1/2017-1/2020). (\$300,000)
  14. Jeff Klibert (PI), **Hani Samawi** (Investigator) and Andrew Hansen (Investigator). Explicate the nature, expression, and development of resilience in a sample of rural adolescents. GRANT12089933 (R21) NIH (August 2016- August 2018) (\$371,582)
  15. **Hani Samawi, (PI)**, Daniel Linder (investigator), Gulzar Shah (Co-Pi) Secondary Analyses in Obesity, Diabetes and Digestive and Kidney CFDA Number(s): PA-15-169 NIH. 93.847 -- The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Dietary Supplements (ODS) (**R21**): Project Title: Investigating and testing for Mediators (Direct and Indirect effect) of Obesity and diabetes among adolescents. (Submitted (May 12, 2015) Period (April 30, 2016-April 30, 2018) (\$385,000).
  16. Robert Mayes (PI), **Samawi, Hani (Investigator)**, (et al.) (2014): STEM CP: MSP Project Proposal to School Systems (CASTLE). NSF 14-522" Complex Adaptive Systems Science Through an Interdisciplinary Lens for Education (CASTLE), (7,000,000 for 5 years)
  17. **Samawi, Hani Michel** (Principal Investigator), (et al.) Grant of Behavioral and Social Science Research on Understanding and Reducing Health Disparities (R21). PA-13-288 Project Title: Exploring a health-behavior based profile for rural adolescents who engage in suicidal behavior. (\$379,307). (July 2014-July 2016).
  18. Paul Browne, MD (PI), Samawi, **Hani Michel** (Contract statistical Support) "The Influence of Maternal Depression Scores on Delivery Outcomes and Infant/Toddler Development Pilot Study Research Program Application" Sponsored by Medical College of Georgia , Medical College of Georgia Research Institute. \$25,000. (September 1, 2012 August 31, 2013)
  19. **Samawi, Hani Michel** (Principal), Anna Oganyan (Co-Principal), "MORE EFFICIENT COMPUTATIONAL AND SIMULATION METHODS FOR APPLICATION TO SOCIAL, BEHAVIORAL AND PUBLIC HEALTH MODELS" Social-Computational Systems (SoCS) (NSF) (\$378,623, for three years).
  20. **Samawi, Hani Michel** (Principal), James Stephen (Co-Principal), Stuart Tedders (Co-Principal) "Secondary Analyses Association of children's health problems with obesity and their causal impact on diabetes ." CFDA Number(s): PA-09-131: 93.847 -- The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Dietary Supplements (ODS) (R21) (NIH) (\$271,445 for two years)
  21. Abdel-Fattah, Ahmad N (Principal), **Samawi, Hani Michel** (Supporting), Grant, "Reviewing evidence on minimum household water security requirements for health protection and design and develop methodologies and tools to establish evidence in Jordan," Sponsored by WHO, Other, \$50,000.00.
  22. Ledlow, Jerry R (Principal), **Samawi, Hani Michel (Co-Principal)**, Tedders, Stuart, Yoon, Jangho, Grant, "Assessing Clinical Intervention and Cost of care disease," Sponsored by NIH, State, \$550,000.00. (February 16, 2010 - September 30, 2013).



23. Ledlow, Jerry R (Principal), **Samawi, Hani Michel (Co-Principal)**, Grant, "Colon Cancer in Southeast Georgia in Disparity Populations: Advanced Data Analyses," Sponsored by Georgia Cancer Coalition Cancer Research Awards 2010, State, \$48,000.00. (September 15, 2010 - August 31, 2011).
24. **Samawi, Hani Michel** (Supporting), Contract, "Solutions For Female Ex-Offenders," Sponsored by U.S. Department of Justice Crime and Justice Research NIJ-2009-2007, Federal, \$49,563.00. (April 14, 2009 - December 31, 2013).
25. **Samawi, Hani Michel** (Principal), Yu, Lili (Co-Principal), Grant, "More Efficient Hypotheses Testing and Modeling of Categorical and Quantitative Responses for Partially Correlated Data," Sponsored by NIH, Federal, \$735,152.00. (February 26, 2010 - August 30, 2013).
26. Ledlow, Jerry R (Principal), **Samawi, Hani Michel (Co-Principal)**, Hotchkiss, Renee (Co-Principal), Tedders, Stuart (Co-Principal), Grant, "Analysis of a Prospective State Expansion of Perinatal Health Interventions: Building a Cost-Benefit Forecasting Statistical Model-based on Multiple Socioeconomic Strata, Hospital Discharge Data, Perinatal Intervention Data, and Census Data Estimates," Sponsored by NIH, Federal, \$863,167.00. (April 15, 2009 - December 31, 2011).
27. Stephens, James H (Principal), **Samawi, Hani Michel (Co-Principal)**, Tedders, Stuart (Co-Principal), Yoon, Jangho (Co-Principal), Walker, Matthew (Co-Principal), Grant, "Social Determinants of Birth Outcomes: Building a Forecasting Model Based on Maternal Risk Factor Data Analysis for the Purpose of Focusing Intense Perinatal Interventions Toward Extra High Risk Women in Rural Southeast Georgia.," Sponsored by NIH, Federal, \$982,095.00. (April 15, 2009 - November 30, 2011).
28. **Samawi, Hani Michel** (Principal), Markossion, Talar (Co-Principal), Hotchkiss, Renee (Supporting), Ledlow, Jerry R (Supporting), Stephens, James H (Supporting), Grant, "Effectiveness and cost-effectiveness of a universal patient navigation program: comparison with the usual care.," Sponsored by NIH, Federal, \$991,913.62. (April 27, 2009 - August 31, 2011).
29. **Samawi, Hani Michel**, Stephens, James H, Grant, "Children's Health Care And Health Insurance Disparity in USA: Comparison Within And Between," Sponsored by HHS-2009-ACF-OPRE-YE-0080: CFDA Number(s): 93.575 -- Child Care and Development Block Grant, Federal, \$119,451.00. (June 11, 2009 - August 31, 2010).
30. Yu, Lili (Principal), Samawi, **Hani Michel (Co-Principal)**, Peace, Karl E (Co-Principal), Vogel, Robert L. (Co-Principal), Gunn, Laura H (Co-Principal), Grant, "Developing More Accurate and Efficient Methods for Modeling and Estimation of Survival Parameters for Breast, Prostate and Ovarian Cancer," Sponsored by Georgia Cancer Coalition, State, \$50,000.00. (November 14, 2008 - August 31, 2010).
31. **Samawi, Hani Michel** (Principal), Peace, Karl E, Grant, "Steady-State Rank Simulated Samples to Improve Computational Methods for Drug Design and Clinical Trials," Sponsored by NIH, Federal, \$300,000.00. (December 24, 2007 - July 1, 2010).
32. **Samawi, Hani Michel (Principal)**, Vogel, Robert (Co-Principal), Gunn, Luara (Co-Principal), Yu, Lili (Co-Principal), Grant, "Investigating and Developing New Approaches for Hypotheses Testing and Modeling Categorical and Quantitative Responses for Partially

Correlated Data," Sponsored by NSF, Federal, \$231,429.46. (August 14, 2008 - January 1, 2010).

### **Research in Progress**

- Missing counts estimation in Stratified Two-Way Contingency tables
- Mediation analysis for multiple mediator.
- "New and effective diagnostics measure: Comparison with other measures
- "Latent class models with misclassification"
- Steady States ranked simulated methods for MCMC methods and Bootstrap methods.

## **SERVICE**

### **Department Service**

1. Committee Member, Biostatistics search committee for JPHCOPH. (October 1, 2016 – March 2017)
2. Committee Member, Biostatistics search committee for JPHCOPH. (October 1, 2013 – March 2014)
3. Chair of the research weekly workshop. 2014-present
4. Director of Kale E. Peace center for biostatistics 2008-6/1/2016
5. Committee Member, Biostatistics search committee for JPHCOPH. (October 1, 2016 – March 2017)
6. Committee Member, Biostatistics search committee for JPHCOPH. (October 1, 2013 – March 2014)
7. Committee Member, Biostatistics search committee for JPHCOPH. (October 1, 2012 – Dec. 2012)
8. Committee Member, Mathematical Science search committee for College of Science. (October 2012 – Dec. 2012)
9. Committee Member, Biostatistics search committee for JPHCOPH. (August 19, 2013 – present)
10. Committee Member, Dean Search Committee for JPHCOPH. (March, 2012 - Present).
11. Committee Member, search committee for Biostatistics position. (January 13, 2011 – May, 2011).
12. Committee Member, search committee for Biostatistics position. (January 13, 2009 – May, 2009).

## **College Service**

- Interim Chair, Department of Biostatistics, Epidemiology and Environmental Health Sciences.
- Chair of the college P&T committee 2018-2019
- Member of College Curriculum Committee: 2018-present
- Member of the research committee (2017-present)
- College P&T Committee Member (2017-2018)
- Ad-hoc P&T rubric development committee. (November 2016-present)
- JPHCOPH award of excellence committee (August 2016-2019)
- Chair of the College P&T committee 2016-2017
- Member of the college award committee. 2015-2019.
- Chair of the College P&T committee 2015-2016
- Chair of the College P&T committee 2014-2015
- College P&T processing committee member 2014-2015
- College P&T committee member 2013-2014
- College P&T committee member 2012-2013
- Teaching Committee (February 18, 2014-1/1/2016)
- Committee Member, Center for the Study of Adduction and recovery. (September 24, 2007 -2010).
- Attendee, Meeting, Task Force of advancing. (February 1, 2009 ).
- Administrative Assignment, Director of Karl Peace Biostatistics Center. (August 1, 2008 - Present).
- Interim Biostatistics Program Coordinator, May, 2011-Feb. 2012.
- Attendee, Graduation. Every semester (since June 2007).

## **University Service**

- University Level Senate (alternate) committee member, August, 1 2017- 2019
- Committee of Academic Standard (2014-2015- present).
- Committee Member, IRB. (August 1, 2008 - Present).
- Committee Member, Library Committee. (August 9, 2010 - 2016).
- University Level Senate (alternate) committee member, August, 1 2016-July 31, 2017.
- University Level Senate (alternate) committee member, August, 1 2015-July 31, 2016.
- Faculty Welfare Committee (August 18, 2014- July 31, 2015).
- University Level Senate (alternate) committee member, August, 1 2014-July 31, 2014.
- University Level Senate (alternate) committee member, August, 1 2013-July 31, 2014.
- Graduate Committee, August 1, 2013- July 31, 2014.
- Committee Member, General Education Committee. (January, 2011-2012).
- Committee Member, Grievance Committee. (August 1, 2008 – 2010)

- Committee Member, ASL committee. (January 13, 2008 - 2010).
- Committee Member, ASL committee. (August 10, 2006 - December 5, 2007).
- Attendee, Meeting, Member of ASL group. (August 2006 - 2010).

### Some of My Professional Services

- Reviewer to Statistics in Medicine Journal: 2016-present.
- Reviewer to Journal of the Royal Statistical Society: 2018-present.
- Reviewer to the Computational Statistics and Data Analysis:-2017-present
- **Section Councilor** in the **Applied Public Health Statistics** Section in APHA, November 15, 2018- present
- liaison officer of ASA Georgia chapter July, 2018- present
- Reviewer to abstract for APHA, 2017 Meeting
- External reviewer to Full professor promotion requested by the Department of Epidemiology and Biostatistics in the University at Albany School of Public Health.
- Guest Editor to special issue on “Biostatistics and Public Health” in International Journal of Environmental Research and Public Health ( IJERPH) (2017).
- Math Peer review committee: International Education’s Council for International Exchange of Scholars (CIES) and the Fulbright Specialist Program. 1/2016-present.
- Associate Editor of” Frontiers in Child Health and Human Development” (January 31, 2013- 2017).
- Administrative Assignment, 78th Annual Meeting and Conference GPHA. (September 5, 2007).
- Department of Surgical Education , Memorial Health University Medical Center, Reviewer, Ad Hoc Reviewer, Savannah, GA, approximately 10 hours spent for the year, Elected, Pro Bono. (September 6, 2011 - September 15, 2011).
- The primary research objective is to assess the efficacy of a relatively new technology, Harmonic scalpel versus standard technology (clamp and silk tie or ligaclips with electrocautery) for dissection of axillary lymph nodes. I did power analysis for this experiment.
- Reviewer, Grant Proposal, King Fahd University of Petroleum & Minerals, Dhahran. (October 14, 2010 - Present).
- Reviewer, Grant Proposal External, The Georgian Science Foundation (Democratic Republic of Georgia) . (October 18, 2007 - Present).
- Session Chair, APHA Meeting, Denver, Colorado. (November 6, 2010 - November 10, 2010).
- Reviewer, Journal Article, Statistica Neerlandica. (March 31, 2010 - April 30, 2010).

- Reviewer, Journal Article, Journal of Statistical Computation and Simulation. (March 11, 2010 - April 8, 2010).
- Session Chair, ENAR Biometric, New Orleans, LA. (March 24, 2010).
- Sponsoring and training an international biostatistics visiting scholar, The University of Jordan, Statesboro, Georgia. (June 12, 2009 - August 12, 2009).
- Reviewer, Journal Article, Statistical Methodology Journal. (March 10, 2009 - March 23, 2009).
- Session Chair, ENAR, San Antonio, TX. (March 18, 2009).
- Reviewer, Journal Article, Pakistan Journal of Statistics, Pakistan. (August 21, 2008 - September 14, 2008).
- Reviewer, Journal Article, Journal of Statistical Theory and Practice, Greensboro, NC. (August 8, 2008 - September 2, 2008).
- Reviewer, Journal Article, Applied Mathematics Letters, USA. (July 18, 2008 - August 8, 2008).
- Reviewer, Journal Article, Statistical Methodology Journal. (June 12, 2008 - August 7, 2008).
- Reviewer, Journal Article, Journal of Nonparametric Statistics, IL. (June 28, 2008 - August 4, 2008).
- Reviewer, Journal Article, Journal of Applied Statistics. (April 14, 2008 - May 7, 2008).
- Reviewer, Journal Article, Speech JSLHR. (April 24, 2003 - May 7, 2003).

### **Some Statistical Consultation**

- Academic, Dr. Tedders/ Georgia Southern University, Statesboro, Georgia. (January 20, 2007 - 2008).
- Academic, Dr. Amal Helu/ The University of Jordan, Statesboro/ GSU. (June 12, 2009 - August 12, 2009).
- Academic, Dr. Dan Webster /Georgia Southern University, Statesboro, Georgia. (January 15, 2009 - March 10, 2009).
- Academic, Dr. Freid/ BioChem Company, St. Augustine, FL 32092. (February 1, 2009 - February 12, 2009).
- Academic, Dr. Steve Davidson, Statesboro, Georgia. (August 24, 2007).
- Academic, Members at Georgia Southern University and the surrounding community, Georgia/USA. (August 1, 2006 - December 31, 2006).
- Academic, Colleagues at Yarmouk University, Jordan. (September 3, 1994 - August 1, 2006).
- Academic, MD Doctors / Jordanian hospitals, Jordan. (September 3, 1994 - June 15, 2006).
- Academic, World Health Organization, Jordan. (January 1, 2006 - May 1, 2006).
- Statistical Data analysis and Research, Katherine Verdolini, Ph.D. Associate Professor, Communication Science and Disorders School of Health and

Communication Sciences Center for the Neural Basis of Cognition, 4033 Forbes Tower, Pittsburgh, PA 15260. (September 1, 2001 - September 1, 2004).

- Academic, Employee / the Housing Bank in Jordan, Jordan. (March 1, 2001 - April 3, 2001).
- Academic, Employee/ the Ministry of Energy and Mineral Resources, Amman Jordan. (September 7, 1996 - October 27, 1996).

Management, Yarmouk University, Jordan. (March 1, 1996 - July 1, 1996).

### **Development Activities Attended**

1. RCR (2020)
2. Cybersecurity Awareness (2015, 2016)
3. Cybersecurity Awareness (2014, 2015)
4. NSF-XSEDE workshop-12/3/2013
5. Quality Mater (2015)
6. The online teaching workshop (September 2013- May 2014)
7. Cybersecurity Awareness (2013)
8. University System of Georgia Ethics training (2013)
9. Drug Free workshop (2013)
10. GSU's Confidentiality agreement (2013)
11. Sexual Harassment and Discrimination (2013)
12. RTK-Global Harmonized System training (2013)
13. CITI Collaborative institutional training for Conflict of interest mini-course (2013)
14. IRB training :IRB MEMBERS - BASIC/REFRESHER CURRICULUM (2012)
15. Training on Sponsored Projects Business Objects basics & traveling (2010)
16. Training Project consulting, Expenses & Getting Reimbursed workshop (2010)
17. Attended Conference, "ASA Georgia Chapter," American Statistical Association, Atlanta, GA. (November 11, 2010).
18. Attended Conference, "ASA Georgia Chapter," American Statistical Association, Atlanta, GA. (April 7, 2010).
19. Workshop, "Online Teaching training," Georgia Southern University, Statesboro, Georgia. (May 11, 2009 - November 13, 2009).
20. Attended Conference, "ASA Georgia Chapter," American Statistical Association, Atlanta, GA. (November 11, 2009).
21. Attended Conference, "ASA Georgia Chapter," ASA, Augusta, Georgia. (April 1, 2009).
22. Attended Conference, "ENAR 2009," ASA and Biometric/ IBR, San Antonio/ TX. (March 15, 2009 - March 18, 2009).
23. Workshop, "NIH Grant writing," ENAR/ Biometrics, San Antonio/ TX. (March 16, 2009).
24. Seminar, "Environmental Health," JPHCOPH Georgia Southern University, Statesboro, GA. (November 12, 2008).

25. Attended Conference, "ASA Georgia Chapter," ASA, Atlanta, GA. (November 11, 2008).
26. Workshop, "Short Course in Mathematical Modeling and Trial Simulation in Medicine and Life Sciences," JPHCOPH Georgia Southern Uni. and Dept. of Biostatistics, Virginia Commonwealth Univ., Savannah, Georgia. (November 5, 2008 - November 7, 2008).
27. Attended Conference, "Biopharmaceutical Applied Statistics Symposium (BASS)," JPHCOPH Georgia Southern Uni. and Dept. of Biostatistics, Virginia Commonwealth Univ., Savannah, Georgia. (November 3, 2008 - November 5, 2008).
28. Seminar, "Advances in Cancer Research," JPHCOPH Georgia Southern University, Statesboro, Georgia. (October 22, 2008).
29. Seminar, "Center of Health Workforce Planning and Analysis," JPHCOPH Georgia Southern University, Statesboro, Georgia. (October 8, 2008).
30. Seminar, "Public Health Past, Present, and Future?," JPHCOPH Georgia Southern University, Statesboro, GA. (September 24, 2008).
31. Seminar, "Medical Center of Central Georgia," JPHCOPH Georgia Southern University, Statesboro, GA. (September 10, 2008).
32. Workshop, "Workshop of Master Teacher in Public Health," Georgia Southern University, Statesboro, GA. (April 24, 2008 - April 25, 2008).
33. Workshop, "Training on Logic Model," Georgia Southern University, Statesboro. (April 4, 2008).
34. Seminar, "A perspective on "House M.D." and American Medicine in the 21st Century," JPHCOPH Georgia Southern University, Statesboro, GA. (March 26, 2008).
35. Seminar, "Addressing Student Learning," Georgia Southern University, Statesboro. (March 4, 2008).
36. Workshop, "Mathematica Gulf Conference and Workshop," Sultan Qaboos University, Muscat, Oman. (January 26, 2004).
37. Workshop, "Workshop about Jordanian Census of 1994," Department of Statistics, Amman, Jordan. (August 3, 1997).