

CURRICULUM VITAE

Date: june 11, 2009

C1. Personal Information:

Name : **Hani Michel Samawi (Ph.D)**

Director of Karl E. Peace Center for Biostatistics

Current Rank: Tenure Track Associate Professor (**Biostatistics**)

Date of Birth : 1958

Immigration Status: (US Permanent Resident)

Mailing Address : Jiann-Ping Hsu College of Public Health

Biostatistics Center, PO Box 8015

Georgia Southern University

Statesboro, GA 30460, USA

Cell Phone : (912) 536 9655

Home Phone: (912) 842 7179

Work Tel. (912) 478 1345

Fax: 912-478-5811 or 912 478 0171

e-mail: hsamawi@georgiasouthern.edu; hsamawi@hotmail.com ;

hani_samawi@yahoo.com

C2. Education and Employment Information:

a) Education

	<u>B.Sc.</u>	<u>M.Sc.</u>		<u>Ph.D.</u>
Date:	1981	1) 1986	2) 1991	1994
Country:	Jordan	Jordan	USA	USA
Specialty:	Mathematics	Statistics	Statistics	Biostatistics
(Major/Minor)	Math/Stat.	Mathematical Statistics	Applied Statistics	Biostatistics/ Epidemiology
University	Yarmouk univ.	Yarmouk Univ.	The Univ. of Iowa	The Univ. of Iowa
(address)	Jordan	Jordan	Iowa, USA	Iowa, USA

Certified for completed the **Human Participants Protection Education for Research Teams** online course, sponsored by the National Institutes of Health (NIH), on 10/17/2007.

Language Known: Arabic, English

Title of 1) M.Sc. Thesis: Maximum Likelihood Estimates of Weibull Parameters Using Accelerated Life Testing and Power Rule Model

Title of Ph.D. Thesis: Power Estimation for Two-Sample Tests Using Importance and Antithetic Resampling

b. Employment Record:

i) Academic

From	To	Academic Rank	Institution
9/1983	1/1986	Teaching Assistant	Yarmouk Univ., Jordan
9/1986	9/1988	Full time Lecturer	Yarmouk Univ., Jordan
1/1990	8/1994	Research Assistant for Iowa 65+ RHS	Univ., of Iowa, USA
9/1994	10/1998	Assistant Professor of Biostatistics	Yarmouk Univ. Jordan
10/1998	9/2001	Associate Professor of Biostatistics	Yarmouk Univ. Jordan
8/2001	9/2004	Assoc. Prof. On Sabbatical leave at Sultan Qaboss University / Sultanate of Oman	Sultan Qaboos University
9/2004	11/2004	Associate Professor of Biostatistics	Yarmouk Univ. Jordan
11/2004	9/2006	Full Professor of Biostatistics	Yarmouk Univ. Jordan
8/2006	9/2007	Tenure Track Assistance Prof. Position of Statistics	Dept. of Mathematical Sciences, Georgia Southern University. USA ,
9/2007	Until now	Tenure Track Associate Prof. Position of Biostatistics	Jiann-Ping Hsu College of Public Health, Georgia Southern University. USA ,

Note: Teaching Language at Yarmouk University and Sultan Qaboos University is English.

ii) Administrative Positions Held:

From	To	Position	Department/Center	Institution
9/1997	9/1999	Acting Chair	Statistics	Yarmouk Univ./Jordan
9/2005	7/2006	Chairman	Statistics	Yarmouk Univ./Jordan
8/2008	Present	Director	Karl E. Peace Center for Biostatistics	Georgia Southern Univ./USA

C3. Awards and Recognition:

<u>Nature of Honor</u>	<u>Date Received</u>	<u>Description</u>
1. Non-Academic Activity	1981	Yarmouk University Black
2. Academic Outstanding Award	1986	Yarmouk University Black Golden Watch from King Hussien And a scholarship to obtain my Ph.D.
3. Henry Award for Outstanding Performance on Ph.D. Qualifying Examination, at the Univ. Of Iowa	1990	Univ. of Iowa Black, \$100, and one Year Membership with JASA and Annals of Stat. & Prob. For the best qualified Ph.D. student of the year

C4. Teaching Experience:**1) Teaching activities (Instruction)****Courses Taught After The Ph.D. :****i) Undergraduate Courses: At Yarmouk University, Sultan Qaboos University (SQU) and Georgia Southern University (GSU)****a) At Yarmouk University / Jordan:**

1. Stat. 101: Introduction to Statistics for Science students
2. Stat. 107: Introduction to Statistics for Business students
3. Stat. 111: Probability (I)
4. Stat. 203: Introduction to Biostatistics
5. Stat. 213: Course in Probability (for school teachers)
6. Stat. 271: Sampling Methods
6. Stat. 272: Time Series Analysis
7. Stat. 331: Mathematical Statistics (II)
8. Stat. 373: Demography (Jordan)
9. Stat. 374: Design and Analysis of Experiments
10. Stat. 375: Regression Analysis
11. Stat. 382: Categorical Data analysis
12. Stat. 481: Statistical Computing
13. Stat. 281: Statistical Analysis using Statistical Packages (SAS, MINITAB, SPSS)

14. Stat. 483: Applied Statistics and Case Studies
15. Stat. (P. H 334): Biostatistics for Medical Students at JUST University.
15. Stat. 383. Nonparametric Methods,
16. Stat 472: Survey Design

b) Sultan Qaboss University/ Oman

1. Stat 1001: Introduction to Statistics
2. Math 1106: Pre-Calculus Stat
3. Stat 3335: Sampling Survey
4. Stat 4432: Regression Analysis
5. Stat 4433: Design and analysis of Experiments
6. Stat 4434: Nonparametric Methods
7. Stat 5521: Categorical data analysis.
8. Stat 3334: Statistical Inference

c) At Georgia Southern University/ USA

1. Stat 2231 I: Introduction to Statistics I
2. Math 3337: Probability

ii) Graduate Courses: At Yarmouk University and Georgia Southern University

a) At Yarmouk University/Jordan

1. Stat. 681: Statistical Computing
2. Stat. 682: Categorical Data Analysis
3. Stat. 683: Linear model
4. Stat. 672: Applied Statistics II: Multivariate Analysis
5. A.n 404: Statistics for social sciences
6. Stat. 678: Advanced Sampling Survey Methods
7. Stat. 606 : Data analysis and Experimental Design (for all science graduate students)
8. Stat. 674: Advance Design and Analysis of Experiments.

b) At Georgia Southern University/ USA

- 1. Stat 5531 I: Statistical Methods I**
- 2. Stat 7430: Acturial Mathematics**
- 3. Stat 7231: Design of Experiments I**
- 4. Math 5130: Statistics and Geometry**
- 5. Stat 5130: Survey and Sampling Methods**
- 6. Bios 6332: Experimental Design in Biostatistics**
- 7. Bios 9131: Advanced Statistical Inference for Biostatistics I**
- 8. Bios 7534: Data Management for Biostatistics**
- 9. Bios 9133: Advanced Statistical Inference Biostatistics II**

10. Bios 9331: Meta Analysis

11. Bios 9130: Research Seminar in Biostatistics

2) Curriculum development: Member of the curriculum committee of the following courses:

- a. At Sultan Qaboos University: 1) Survival Analysis 2) Clinical Trials
- b. At Yarmouk University: Head of the Committee of the undergraduate and the graduate study plans of 1998.

3) Students advising and supervising:

i) Master Thesis Supervising or Co-advising: at Yarmouk University/Jordan

1- Ahmad Saied Bany Mustafa: Importance resampling using Chi-square tilting (Graduated, Nov. 1996) (co-advising).

2- Raed Rajeh Abu Awwd: Power Estimation for Two-sample Tests Using Balanced resampling (Graduated, August, 1997). (Supervisor)

3- Omar Al-Sakier: About Extreme Ranked Set Sampling with application to the estimation of Distribution function and percentiles (Graduated, August, 1998). (Supervisor)

4- Mahmoud Siam: Ratio Estimation using Stratified Ranked set sample (Graduated, August, 1998). (Supervisor)

5- Loai M. Al-Zou'bi: Discriminate Analysis for Birth Measure Data Obtained from Princess Rahma Hospital in Irbid-Jordan. (Graduated, April, 1998) (Co-advising).

6- Ahmed Samerae: Regression Estimation Using Extreme Ranked Set Sample. (Graduated in Sept. 1999) (Supervisor).

7- Laith Jamal: Stratified Extreme Ranked Set Sample with Application to Ratio Estimation (Graduated in march. 2000) (Supervisor)

8- Faisal Ababneh: Regression Analysis Using Ranked Set Sample. (Graduated in Jan. 2000) (Supervisor).

9- Eman Tawalbeh : On Double Ranked Samples with Application to Ratio and Regression Estimators. (Graduated in Agust, 2001)

10- Nuha Alzubaidi: Optimal Sign Test For One-Sample Bivariate Location Model Using Alternative Bivariate Ranked Set Sampling. (Graduated in July 2006)

Note :(Member of the thesis defense committee: **More than 30 Committees**)

ii) Supervising Final Projects of Statistics Students at SQU

- 1) **Hamed Al-Fahdi & Dhafer AlShukeili (2001):** SQU Student attitude towards using Internet.
- 2) **Shaiy' Al-Mamaari (2001):** SQU Student attitude towards using computer.

- 3) **Muna and Thouriya (2002):** Different ranked set sample schemes for unequal set size with application.
- 4) **Hashem M. Al-Hashmi and Abdulsalam H. Al-Barzenji (2003):**Sultan Qaboos University Students attitude towards working in public or private sector
- 5) **Mousa Al-Kindi and Khaled Al- Harthi (2003).** On Kidney failure risk factors in Sultanate of Oman.
- 6) **Nasser M. Al Khayari and Sulaiman Al-Rawahi (2003).** On regression analysis using sequential ranked set sampling with application to medical data.

iii) 1- Student advising of Practicum in Public Health at GSU

- 1- Vibhav Grag- MPH
- 2- Bishwajjj Roy- MPH

2- Student supervising Capstone or Dissertation in Public Health at GSU

- 1- Wilson- MPH – Capstone – Graduated Spring- 2008
- 2- Ren Chunfeng MPH-Capstone- Expected Summer -2009
- 3- Bishwajjj Roy- MPH –Capstone – Expected Summer 2009
- 4- Rohit Tyagi –MPH- Capstone- Expected Summer 2009

d) Teaching activities outside the classroom: Seminars

1. **Samawi H and Lemke JH.:** Importance sampling for the establishment of normal limits for skewed distribution. Presented at Biostatistics Seminar, Department of Preventive Medicine and EH, March 29, 1993.
2. Lemke JH and **Samawi H.:** The role of importance sampling in the establishment of normal ranges for speech characteristics. Presented at Acoustical Society of America Meetings, Denver, CO, October 4, 1993.
3. **Samawi H. M.:** About the Importance and Bootstrap Resampling. Presented at Statistics Seminar, Department of Statistics, Yarmouk University July 1996.
4. **Samawi H. M. :** Monte Carlo Methods Using Ranked set sampling. Presented in the department of Mathematics and Statistics Seminar at *Sultan Qaboos University*. (2001)
5. **Samawi H. M. :**On the approximation of multiple integrals Using Multivariate Ranked Simulated Sampling (2005). (At Yarmouk University, Irbid Jordan)
6. **Samawi H. M.:** More efficient Monte Carlo method of integration: (At Georgia Southern University, USA, March 1, 2006)
7. **Samawi H. M :** Bivariate Sign Test for One-Sample Bivariate Location Model Using Ranked Set Sampling (At Georgia Southern University, USA, September 1, 2006)

C5. Service

a) University administration and committees.

1) At Yarmouk University/ Jordan:

- i) Acting Chair (from 9/1997 to 9/1999)
- ii) Chairman (from 9/2005 to 8/2006)
- ii) Department Committees:
 - 1. Dept. of Statistics Council
 - 2. Department of Statistics Graduate Study Committee
- iii) Master thesis defense exam committees more than 30
- iv) Faculty Committees:
 - 1. College of Science Council
 - 2. College of Science Scientific Programs Committee
 - 3. College of Science Graduate Study Committee
 - 4. College of Science research Committee
- v) Member of the Jordan Statistics Committee

At Sultan Qaboos University :

- 1- Member of the research committee.
- 2- Teaching and Research Assistants Committee

***At Georgia Southern University**

- 1- Member of ASL (Assesment of Student Learning) since August 2006.
- 2- Teaching Team Fall 2007
- 3- Statistics Committee (2006-2007)
- 4- Faculty Grievance Committee Alternate. (8/2008 to present)

b) Professional service:

i) At Yarmouk University

- 1. Training course on data and statistical analysis using SPSS Software for the employee of the Ministry of Energy and Mineral Resources, Amman-Jordan, from September 7, 1996 to October 27, 1996. Also, during the same period, I provided some consulting help to help them analyzing the data collected by the household energy consumption survey conducted in (1995)
- 2. **Leading the population survey study (1996)** for the Attitudes of Jordanian people toward the new rules of the 1996 election for the lower house of Parliament.
- 3. **Consultation and Data analysis** for the College of Dentistry at JUST University.
- 4. **Consultation and Data analysis** for the medical Doctors in Jordanian hospitals.
- 5. **Forty hours of training course in statistics** and data analysis for the employee of the Housing Bank in Jordan (2001).
- 6. **Refereeing papers** in statistics for the Biometrical Journal (Germany)(since 1997)
- 7. **Refereeing papers** in statistics for Abhath Al-Yarmouk. Since (1998) (Yarmuok University Jordan)

8. **Refereeing papers** in statistics for Dirasat Journal (since 1998) (Jordanian, University)
9. **Refereeing papers** to the Journal of American Speech-Language- Hearing Association (in 2002)
10. **Data analysis and Statistical consultation to the data collected by The World Health Organization.** To Study the relationship between water intake and Health issues in Jordan. (2006)

ii) In Sultanate of Oman at Sultan Qaboos University.

- 1) **Statistical consultation and data analysis** on voice and speech pathology for 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
412-383-6544; 412-383-6555 (fax): kittie@csd.pitt.edu.,
- 2) **Statistical consultation and data analysis** on experimental design of psychological Experiments done by Prof. Ernest at Southren California University.
- 3) **Statistical consultation and data analysis to:**
 - i) Dr. Satei Mukatsh (College of Medicine at SQU)
 - ii) Dr. Kashef (College of education at SQU)
 - iii) Some MS.c. Student at SQU.

iii) At Georgia Southern University.

- a) Providing Statistical Consultations to faculty members at GSU and the surrounding community:
 - 1- Professor William Savidge (2007): From Savannah
 - 2- Dr. Kimberly M. Coleman, Ph.D. (cand.), MPH, CHES (2007)
Assistant Professor of Community Health
Department of Health & Kinesiology
College of Health & Human Sciences
Georgia Southern University
P.O. Box 8076
Statesboro, GA 30461-8076
kcoleman@georgiasouthern.edu
 - 3- Presenting at the Faculty Learning Community Brown bag Lunch (March 4, 2008)
 - 4- Presenting at New Faculty Forum (8/8/2008)

- 5- Daniel G. Webster, Ph.D. (2009): **Data analysis and statistical consultation**
 Department of Psychology
 P.O. 8041
 Georgia Southern University
 Statesboro, GA 30460
 dwebster@georgiasouthern.edu
- 6- Ferd Mussari (2009) , **Data analysis and statistical consultation through the Karl Peace Center for Biostatistics.**
 BioChem Resources
 3540 Agricultural Center Drive,
 St. Augustine, FL 32092
- b) Refereeing Paper
- 1) Refereeing Paper to the Journal of Computers and Mathematics with Applications. (2006)
- 2) Refereeing paper to the Journal of Applied Statistics (May 7, 2008).
- 3) Refereeing paper to the Journal of nonparametric Statistics (July, 2008).
- 4) Refereeing paper to Journal of Statistical Methodology (July, 2008).
- 5) Refereeing paper to Journal of Applied Mathematical Letters (August, 2008).
- 6) Refereeing paper to Journal of Journal of Statistical Theory and Probability (JSTP) (September, 2008).
- 7) Refereeing paper to Pakistan Journal of Statistics (PJS) (September, 2008).
- 8) Refereeing paper to the Hacettepe Journal of Mathematics and Statistics. (February, 2009)
- 9) Refereeing paper to the Nonparametric Journal (June, 2009)
- c) Meeting with faculties at Georgia Tech (Savannah) for possible calibration on a proposal for (Focused Research Program (FRP) on May 14, 2008.
- d) Peer-reviewer of projects at The Georgian National Science Foundation- Georgia
 68 Uznadze Str.,0102 Tbilisi, Georgia,
 Tel: (995 32) 95 47 40
 Email: dep_science@gnsf.ge
 Website: <http://eng.gnsf.ge>
- 1- Jan. 6, 2009: Reviewed the project entitled "Optimal Hedging in Incomplete Markets with "Disorder"

C6. Scholarly Achievements

a) Refereed Journal Papers

List of Articles Accepted for Publication or Published .

1. **Samawi, H.** et. al. (2009). An Optimal Sing Test for One-sample Bivariate Location Model Using an Alternative Bivariate Ranked Set Sample. To appear in the *Journal of Applied Statistics*
2. **Samawi, H. M.**, Al-Saleh, M. F., Al-Saidy, O. (2009). THE MATCHED PAIRS SIGN TEST USING BIVARIATE RANKED SET SAMPLING FOR DIFFERENT RANKING BASED SCHEMES. To appear in *Statistical Methodology*
3. **Samawi, H. M.** and Mavis Pararai (2009). AN OPTIMAL BIVARIATE RANKED SET SAMPLE DESIGN FOR THE MATCHED PAIRS SIGN TEST. To appear in The *Journal of Statistical Theory and Practice (Vol 3. No. 2)*
4. **Samawi, H. M.** and Mavis Pararai (2008). ON THE OPTIMALITY OF BIVARIATE RANKED SET SAMPLE DESIGN FOR THE MATCHED PAIRS SIGN TEST. To appear in *Barsilian Journal of Statisrics.*
5. **Samawi, H. M** (2008). Varied Set Size ranked Set Sampling with Application to Mean and Ratio Estimation. To appear in *International Journal of Modeling and Simulation*
6. **Samawi, H. M.**, Al-Saleh, M. F., Al-Saidy, O. (2008). On the matched pairs sign test using bivariate ranked set sampling: an application to environmental issues. *African Journal of Environmental Science and Technology, 2 (1), 1-9*
7. **Samawi, H. M.** and Al-Saleh, M. F. (2008). Inference on Overlapping Coefficients in two Exponential Populations using Ranked set Sample. *Communication of Keorian of Statistical Society, 15 (2), 147-159.*
8. Al-Saleh, M. F. and **Samawi, H. M.** (2007). Inference on Overlapping Coefficients in Two Exponential Populations. *Journal of Modern Statistical Science, 6 (2), 503-516.*
9. Al-Saleh, M. F. and **Samawi, H. M.** (2007). Inclusion Probability in Ranked Set Sampling and Some of its Variations. *TEST, 16 (1), 198-209.*
10. **Samawi, H. M.**, Al-saleh M. F. (2007). On the Aproximation of Multiple Integrals Using Multivariate Ranked Simulated Samapling. *Applied Mathematics and Computation , 188, 345-352.*
11. **Samawi, H. M.** and Al-Saleh, M. F. (2007). On Bivariate Ranked Set Sampling For Ratio and Regression Estimators. ACTA *International Journal of Modeling and Simulation, 27 (4) 299-305.*
12. **Samawi, H. M.**, Al-Saleh, M. F. and Al-Saidy , O. (2006). Bivariate Sign Test for A One-Sample Bivariate Location Model Using Ranked Set Sample. *Communications in Statistics. Theory and Methods, 35 (6). 1071-1083.*
13. Al-Saleh, M. F. and **Samawi, H. M.** (2005). Estimation of the Correlation Coefficient Using Bivariate Ranked Set Sampling with Application to the Bivariate Normal Distribution. *Communication in Statistics, Theory and Methods, 34 (4), 875-890.*
14. Al-Saidy, O., **Samawi, H. M.** and Al-Saleh, M. F. (2005). Inference on Overlapping

Coefficients Under the Weibull Distribution: Equal Shape Parameter. *ESAIM Probability and Statistics (P&S)* , 9, 206-219.

15. Al-Bataina B. A. and **Samawi H. M. (2005)**. Measurement of Soil and Indoor Radon Levels in Al-Fuhais, Jordan. *ABHATH AL-YARMOUK: Basic Science and Engineering* , 14 (1), 75-84.
16. **Samawi, H. M.**, Al-Samarraie, A. and Obaid M. Al-Saidy (2004). On Regression Estimators Using Extreme Ranked Set Samples. *Journal of Science and Technology, Sultan Qaboos University*, 9, 67-86.
17. Al-Saleh, M. F. and **Samawi, H. M. (2004)**. Estimation Using Bivariate extreme Ranked Set Sampling with Application to the Bivariate Normal Distribution. *Journal of Modern Applied Statistical Methods*, 3 (1): 134-142.
18. **Samawi, H. M.** and Al-Saleh, M. F. (2004). On Bivariate Ranked Set Sampling for Distribution and Quantile Estimation and Quantile Interval Estimation Using Ratio Estimator. *Communications in Statistics, Theory and Methods*. 33 (8): 1801-1819.
19. **Samawi, H. M.** and Saeid, L. J. (2004). Stratified Extreme Ranked Set Sample with Application to Ratio Estimators. *Journal of Modern Applied Statistical Methods*. 3 (1): 117-133.
20. Al-Saleh, M. F. and **Samawi, H. M. (2004)**. Estimating the Variance of a Normal Population by Utilizing the Information in a Sample from a Second Related Normal Population. *Journal of Statistical Computation and Simulation*. 74 (2): 79-90.
21. **Samawi, H. M.** and Abu-Dayyeh, W. (2003). More Powerful Sign Test Using Median Ranked Set Sample: Finite Sample Power Comparison. *Journal of Statistical Computation and Simulation*. 73 (10): 697-708.
22. **Samawi, H. M.** and Siam, M. I. (2003). Ratio Estimation Using Stratified Ranked Set Sample. *Metron*. LXI (1-2): 75-90.
23. **Samawi, H. M. (2003)**. Importance Resampling Using Logistic Weights. *Dirasat, Pure Sciences*. 30 (1): 76-83.
24. Ahmed, M. S., Abu-Dayyeh, W. and **Samawi, H. M. (2003)**. Quantile Interval Estimation of Finite Population Using Multivariate Auxiliary Information. *J. of Applied Statistical Science*. 12(3): 169-177.
25. **Samawi, H. M.** and Al-Saleh, M. F. (2002). On Regression Analysis Using Bivariate Ranked Set Samples. *Metron*. LX (3-4): 35-50.
26. **Samawi, H. M. (2002)**. On Ratio Estimation Using Extreme Ranked Set

- Samples. *Abhath Al-Yarmouk: Basic Sciences and Engineering*, **11 (2B): 815-827.**
27. **Samawi, H. M.**, Bany Mustafa, A. S. and Ahmed, S. M.(2002). Importance Resampling Using Chi-square Tilting. *Metron*. **LX (3-4): 183-200.**
 28. **Samawi, H. M. (2002)**. On Double Extreme Ranked Set Sample with Application to Regression Estimator. *Metron*. **LX (1-2): 53-66.**
 29. **Samawi, H. M.** and Al-Saleh, M. F. (2002). A Sequential Approach for Estimating The Variance of a Normal Population by Using Some Available Prior Information. *Journal of the Korean Statistical Society*. **31 (4): 433-445.**
 30. Ahmed, M. S., Abu-Dayyeh, W. and **Samawi, H. M. (2002)**. Interval Estimation of the Quantiles of Finite Population Using Multivariate Auxiliary Information. *Metron*. **LX (1-2): 115-124.**
 31. Madan, K. C. and **Samawi, H. M. (2002)**. Steady State Analysis of an M/D/1 Queue with Two Stages of Heterogeneous Server Vacations (M/D/G₁/G₂/1Queue). *Revista Investigacion Operacional*. **23 (2): 150-163.**
 32. **Samawi, H. M.** and Abu-Dayyeh, W. (2002) On Regression Analysis with Random Regressors Using Ranked Samples. *International Journal of Information and Management Sciences*. **13 (3): 19-36.**
 33. Abu-Dayyeh, W., **Samawi, H. M.** and Kouider, E. (2002). Weighted Extreme Ranked Set Sample For Skewed Population. *Calcutta Statistical Association Bulletin*. **53 (209- 210): 53-63.**
 34. **Samawi, H. M.** and Tawalbeh, E. M. (2002). Double Median Ranked Set Sample: Comparing to other Double Ranked Samples for Mean and Ratio Estimators. *Journal of Modern Applied Statistical Methods*. **1 (2): 428-442.**
 35. Abu-Dayyeh, W., Samawi, H. M. and Bani-Hani, L. A. (2002). On Distribution Function Estimation Using Double Ranked Set Samples with Application. *Journal of Modern Applied Statistical Methods*. **1 (2): 443-451.**
 36. Saqa, W. A. and **Samawi, H. M. (2002)**: Discriminant Analysis of Grain Size as a Tool to Classify Depositional Environments of Sand. *Abhath Al-Yarmouk, Basic Sciences and Engineering*. **11 (2B): 727-744.**
 37. Abu-Rukah, Y. and **Samawi, H. M. (2002)**: A study of contamination of agricultural fields of the North Jordan Valley by various Metal Ions Using Regression Analysis. To appear in *Qatar Uuniversity science journal –faculty of Science (Qatar)*.
 38. **Samawi, H. M.** and Tawalbeh, E. M. (2002). Regession Estimator Using Double Ranked Set Sampling. *Science and Technology, Sultan Qaboos*

University. 7: 311-322.

39. Abu-Rukah, Y. and **Samawi, H. M. (2001)**: Compersion in the concentration of heavy metals and other variables in landfill site, El-Ekader North Jordan. *Chemie der Erde journal* **61 (3): 214-223 (Germany).**
40. **Samawi, H. M.** and Muttlak, H. A. (2001). On Ratio Estimation Using Median Ranked Set Sampling. *Journal of Applied Statistical Science.* **10 (2): 89-98.**
41. **Samawi, H. M.** and Al-Sagheer, O. A. M. (2001). On the Estimation of the Distribution Function Using Extreme and Median Ranked Set Samples. *Biometrical Journal.* **43 (3): 357-373.**
42. **Samawi, H. M. (2001).** On Quantiles Estimation Using Ranked Samples with Some Applications. *Journal of the Korean Statistical Society.* **30 (4): 667- 678**
43. **Samawi, H. M.** and Ababneh, F. M. (2001). On Regression Analysis Using Ranked set Samples. *Journal of Statistical Research.* **35 (2): 93- 105.**
44. **Samawi, H. M.** Al-Zou'bi, L. M. and Abu-Salih, M. S. (2001). Discriminant Analysis for Birth Measures Data Obtained from Princess Rahma Hospital in Irbid, Jordan. *Abhath Al-Yarmouk, Basic Sciences and Engineering.* **10. (1): 59-74.**
45. Al-Saleh, M. F. and **Samawi, H. M. (2000).** On the Efficiency of Monte Carlo Methods Using Steady State Ranked Simulated Samples. *Commun. Statist. – Simula.* **29 (3): 941-954.**
46. Sadiq, M. F., Khabour, O. F., El-Shanti, H. E. and **Samawi, H. M.(2000).** The Effect of Trifluoperazine on the Genotoxicity of Bleomycin in Cultured Human Hemoglobin. *Drug and Chemical Toxicology.* **23 (2): 361-369**
47. **Samawi, H. M. (1999)**: Importance of Using the Advance Statistical Methods in Analyzing Demographic and Other Available Research Data. *Alsokan-W-Altanmiah (Population and Development Published by The General Secretariat of the National Commis (NPC/GS)).* **5: 81-95.**
48. **Samawi, H. M. (1999).** More Efficient Monte Carlo Methods Obtained by Using Ranked Set Simulated Sample. *Commun. Statist. – Simula.* **28 (3): 699-713.**
49. **Samawi, H. M.** and Abu Awwad, R. R. (1999). Power Estimation For Two-sample Tests Using Balanced Resampling. *Communication in Statistics,Theory. & Methods.* **28 (5): 1073-1092.**
50. **Samawi, H. M. (1999).** Health Care and Survival of Infants Reported in the Jordan Family Health Survey 1990. *Abhath Al-Yarmouk, Basic Sciences and Engineering.* **8 (1): 61-72.**

51. **Samawi, H. M.**, Woodworth, G. G. and Lemke, J. H. (1998). Power Estimation for Two-sample Tests Using Importance and Antithetic Resampling. *Biometrical Journal*. **40 (3): 341-354**.
52. Verdolini, K., Druker, D. G., Palmer, P. M. and **Samawi, H. M.** (1998). Layngeal Adduction In Resonant Voice. *Journal of Voice*. **12 (3): 315-327**.
53. **Samawi, H. M.** and Muttalak, H. A. (1996). Estimation of Ratio Using Rank set Sampling. *Biometrical Journal*. **38(6): 753-764**.
54. **Samawi, H. M.**, Woodworth, G. G. and Al-Saleh, M. F. (1996). Two-sample Importance Resampling for Bootstrap. *Metron*. **LIV (3-4, 31-XII): 141-156**.
55. **Samawi, H. M.**, Ahmed, M. S. and Abu-Dayyeh, W. (1996). Estimating the Population Mean Using Extreme Ranked Set Sample. *Biometrical Journal*. **38 (6):1-10**.
56. **Samawi, H. M.** (1996). Stratified Ranked Set Sample. *Pakistan Journal of Statistics*. **12 (1): 9-16**.
57. Lmeke J. H. and **Samawi H. M.** (1995). Establishment of Normal Limits for Speech Characteristics. *In D. Wong(Ed.), Workshop on Acoustic Voice Analysis. Iowa City, IA:National Center for Voice and Speech. LEM-1-LEM-11*
58. Ahmad M. S. and **Samawi H. M.** (1991). Maximum Likelihood Estimates of Weibull Parameters Using Accelerated Life Testing. *Dirasat, Pure and Applied Sciences*. **18 (B2): 54-69**.

Tichanical Reports:

2007-001	Optimal Bivariate Ranked Set Sample Design for the Matched Pairs Sign Test	Hani M. Samawi and Mavis Pararai
2007-002	Inference on Overlapping Coefficients in Two Exponential Populations Using Ranked Set Sampling	Hani M. Samawi and Mohammad F. Al-Saleh
2007-003	The Matched Pairs Sign Test Using Bivariate Ranked Set Sampling	Hani M. Samawi, Mohammad F. Al-Saleh and Obaid Al-Saidy
2007-004	Optimal Sign Test for One Sample Bivariate Location Model Using an Alternative Bivariate Ranked Set Sample	Hani M. Samawi, Mohammad Al-Haj Ebrahim, Noha Al-Zubaidin, and Walid Abu-Dayyeh

b) Articles Submitted for Publication

1. Samawi H. M. Daily Walking and Life Expectancy of Elderly People in 65+ Rural Health Study (2009) : submitted to *Georgia Public Health Association Journal*
2. S amawi, H. M., Vogel, R. and Senkowski, C. K. (2009) : ON DISTRIBUTION-FREE RUNS TEST FOR SYMMETRY USING VARIETES OF RANKED SET SAMPLES:

Application to Surviving the Base Deficit. Submitted to JSTP Journal of Statistical Theory and Practice

3. Samawi, H. M., Yu, L., Vogel R., Gunn L. (2009): On some nonparametric tests for partially correlated data: Proposing a new test. Submitted to the Nonparametric Journal

C) Books or Chapters in Book

- 1- Hani, M. Samawi (2008): Chapter title: Health System in Jordan: Book Title: *Comparative Health Systems*: (Editors: James A. Johnson and Carleen Stoskopf: Jones and Bartlett Publishers, Boston, London, Toronto, Singapore.
- 2- Planning to write a text book for graduate students entitled: Sampling Survey for Public Health.
3. Planing to write a text book for graduate Students entitled: Meta analysis for Public Health Research.

c) Conference Proceedings or Presentation

- 1- Verdolini-Marston, K., Druker, D., Palmer, P., Samawi, H. (1994). Physiological Study of Resonant Voice. *NCVS Stat Prog Rep*.6:147-153.
2. Lemke J. H. and Samawi H. M. (1995). Establishment of Normal Limits for Speech Characteristics. In D. Wong(Ed.), Workshop on Acoustic Voice Analysis. Iowa City, IA:National Center for Voice and Speech. LEM-1-LEM-11
3. Verdolini K, Szuminsky N, Roth D, Chan K, Samawi H, Fiez, J., Pelczarski K., & Strick, P. (2003) *Cognitive and neurophysiological correlates of item-specific and generalized learning for a motor task.* Paper presented at the 31st Annual Symposium: Care of the Professional Voice, Philadelphia, PA.

d) Conferences and workshops attended:

Place	Date	Title	Paper presented
Jordan	8/1996	Third Jordanian Math. Science Conference	Health Care and Survival of Children
Jordan	11/1996	Workshop on Mathematics of Computing	Attending
Aleppo, Syria	11/1996	The 36 week of Science	Two-Samples Importance Resampling
Jordan	8/1997	Workshop about Jordanian Census of 94	Attending
USA at KSU	4/1998	10th Annual Conference on Applied Statistics in Agriculture	More Efficient Monte Carlo Method Using RSS
Jordan	9/1998	Fourth Jordanian Math. Science Conference	Importance Resampling Using Logistic Tilting
Australia	2/1999	Genstat99	Ratio Estimation Using Extreme RSS
Jordan	5/1999	Second Science Day, Faculty of Science at Jordan University of Science and Technology (JUST)	Ratio Estimation using Stratified ERSS

Jordan	5/2000	First Conference/Third Science Day, Faculty of Science at Jordan University of Science and Technology (JUST)	Double Extreme Ranked set samples
Jordan	5/2000	First Regional Seminar on The Role of the Actuary in Economy	Attending
Jordan	11/2000	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
Oman	26/1/2004	Mathematica Gulf Conference and Workshop	Attending
American University of Sharjah, UAE	April 1, 2004	UAE-MATH-DAY	Bivariate Singn Test For One-Sample Bivariate Location Using Ranked Set Sample
USA/ Alaska	June 21-24, 2005	WNAR/IMS Meeting	On the Approximation of Multiple Integrals using Multivariate Ranked simulated Sampling
USA/ Georgia Atlanta	March 11-14, 2007	ENAR Spring meeting International Biometric Society, Eastern North America Region	I presented a paper entitled" THE MATCHED PAIRS SIGN TEST USING BIVARIATE RANKED SET SAMPLING"
USA/ Georiga Statesboro	March 16-17, 2007	MAA/SIAM-SE Conference	I Presented a paper entitled" Inference on Overlapping Coefficients in Two Exponential Populations Using Ranked Set sampleing"
USA\Utah, Salt Lake City	July 29-August 2, 2007	JSM meeting	I presented a paper entitled " Optimal Sign Test for one Sample Bivariate Location Model Using an Alternative Bivariate Ranked Set Sample"
USA/ North Carolina-Greensboro	October 12-14, 2007	International Conference on Advances in Interdisciplinary Statistics and Combinatorics	I presented a paper entitled " Optimal Sign Test for Bivariate Bivariate Ranked Set Sample for Matched Pairs Sign Test"

USA/ Arlington, VA	March 16- 19, 2008	ENAR Spring meeting International Biometric Society, Eastern North America Region	I presented a paper entitled "On Distribution- free Runs Test for symmetry using Median Ranked Set Sampling
USA/ Statesboro/ Georgia Southern University	April 24- 25, 2008	WorkShop of Master Teacher in Public Health	Attended
USA/ Statesboro/ Georgia Southern University	March 4, 2008	Addressing Student Learning	Presented
USA/ Statesboro/ Georgia Southern University	April 4, 2008	Training on Logic Model	attended
USA/ Savannah	Nov. 3-5, 2008	BASS (Biopharmaceutical Applied Statistics Symposium) Conference	Attended
USA/ Savannah	Nov. 5-7, 2008	BASS (Biopharmaceutical Applied Statistics Symposium) Conference	Attended a short course on Mathematical Modeling and Trial Simulation in Medicine and Life Sciences
USA/ Atlanta	Nov. 11, 2008	ASA Meeting (Georgia Chapter)	Attended
USA /Sante Antonio	March 14- 18, 2009	ENAR Spring meeting International Biometric Society, Eastern North America Region	Attending and presenting a paper entitled 'Nonparametric tests for partially correlated data

e) Memberships:

1. Member of the Jordanian Mathematical Sciences Association
2. Member of the International Biometrics Society (ENAR)
3. Member of the American Statistical Association (ASA)
4. Member of the American Public Health Association (APHA)
5. Member of Georgia Public Health Association (GPHA)

Ongoing Projects and Research

1. Bootstrap methods for grouped data. (undergoing)
2. Systematic Ranked set sampling and its application. (Undergoing)
3. Estimation and Testing hypothesis of restricted parameter spaces using RSS and Extreme RSS. (Undergoing)
4. Sequential Ranked set sampling (done)

5. Randomized, Prospective Clinical Trial Regarding the Manipulations of Item-Specific and Generalized Learning, and their Contribution to the Final Outcome of Voice Therapy for Phonotrauma (Project tem: Katherine Verdolini, Ph.D., Ryan Branski, M.S., Liz Urban, M.S., Rita Hersan, M.S., Hani Samawi, Ph.D., Clark Rosen, M.D.) Supported by: School of Health and Communication Sciences Center for the Neural Basis of Cognition 4033 Forbes Tower, Pittsburgh, PA 15260 412-383-6544; 412-383-6555 (fax) kittie@csd.pitt.edu. (done)
6. Weighted T-tetst for partially correlated data. (ongoing)
7. Chi-square tests for partially matched pairs data.(ongoing)
8. Health Index numbers (ongoing)
9. Optimal Runs tests of Symmetry (ongoing)

f) Grants

- 1) Jordanian Center of research-Yarmouk University (1998-2000): Studying the Radon concentration in the households in the area of Fuhuis in Jordan and its effect on the health problems of the people living in the area.
- 2) Dean-ship of research-Yarmouk University (2000-2001):The assessment of man-made litter on the shores of the Dead Sea and their impacts.
- 3) School of Health and Communication Sciences Center for the Neural Basis of Cognition 4033 Forbes Tower, Pittsburgh, PA 15260, 412-383-6544; 412-383-6555 (fax) kittie@csd.pitt.edu: Randomized, Prospective Clinical Trial Regarding the Manipulations of Item-Specific and Generalized Learning, and their Contribution to the Final Outcome of Voice Therapy for Phonotrauma (Project tem: Katherine Verdolini, Ph.D., Ryan Branski, M.S., Liz Urban, M.S., Rita Hersan, M.S., Hani Samawi, Ph.D., Clark Rosen, M.D.)

Contracts, Grants and Sponsored Research (At Georgia Southern University)

1. **Samawi, Hani Michel** (Principal) (NIH) (Submitted July, 2008)
Peace, Karl E Grant, "STEADY-STATE RANK SIMULATED SAMPLES TO IMPROVE COMPUTATIONAL METHODS FOR DRUG DESIGN AND CLINICAL TRIALS", NIH, Federal, \$310,000,. **To be resubmitted.** (July 1, 2008 - July 1, 2010).
2. FY09 Faculty Research Competition Award
Samawi, Hani Michel (Principal) (Georgia Southern University)
Sponsored Research,

Title: “ Simulation Study to Investigate the Performance of Runs Test for Symmetry Using Median Ranked Set Sampling and its Applications to Public Health Problems” \$7008, **Approved and granted on March 5, 2008(July 1, 2008, May 31, 2009)**

3. Catalyst Grant:

Samawi, Hani Michel (Principal Investigator) (Georgia Southern University)

Title: Developing more efficient test of symmetry based on ordered samples and overlapping measures: Applications to public health problems.”

Approved and granted on May 1, 2009. For \$12,354 (July 1, 2009 to May 31, 2010).

4. Three NIH challenge grants of a total of \$3,000,000 submitted , 2009. In one of them I am the PI.
5. NIH grant: Hani Samawi (PI) and James Stephen (Investigator): HHS-2009-ACF-OPRE-YE-0080
Title “ Children’s Health Care And Health Insurance Disparity in USA: Comparison Within And Between States. **Submitted on June 11, 2009**

References:

Prof. Jon H. Lemke Ph.D.

Chief of Biostatistics ,Genesis Health System
Suite 490 - Pavilion 1
Genesis Medical Center - West
1401 West Central Park
Davenport, IA 52804
563-421-1266 , LemkeJ@genesishhealth.com

Prof. Muhammad Abu-Saluh,

Department of Statistics, Yarmouk University, Irbid Jordan,
211-63. (+962 2 7271100-2332, at home +962 2 7241235, Cell Phone +962 795565667)
E-mail: subhi_saleh@yahoo.com

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
412-383-6544; 412-383-6555 (fax):
kittie@csd.pitt.edu

Prof. Waleed Abu-Dayyeh

Department of Statistics
Yarmouk University,

Irbid, Jordan 211-63
abudayyeh_walid@hotmail.com

Broderick Oluyede, Ph.D

Associate Professor of Statistics
Department of Mathematical Sciences
Georgia Southern University
P.O.Box 8093
Statesboro, GA 30460
912 681 5427, Fax 912 681 0654
boluyede@georgiasouthern.edu