

# Curriculum Vita

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**Prof. Amjad D. Al-Nasser (Ph.D.)**  
**Professor of Applied Statistics**

Department of Statistics, Science Faculty  
Yarmouk University, 21163 Irbid  
Jordan

[amjadn@yu.edu.jo](mailto:amjadn@yu.edu.jo)

Mobile: 00962777724512

[amjadyu@yahoo.com](mailto:amjadyu@yahoo.com)

<http://faculty.yu.edu.jo/alnasser>



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<b>Researcher ID in Thomson Reuters</b>	<a href="http://www.researcherid.com/rid/E-4639-2010">http://www.researcherid.com/rid/E-4639-2010</a>
<b>Scopus ID</b>	<a href="http://www.scopus.com/authid/detail.url?authorId=8450540200">http://www.scopus.com/authid/detail.url?authorId=8450540200</a>
<b>ORCID ID</b>	<a href="http://orcid.org/0000-0001-7515-2357">http://orcid.org/0000-0001-7515-2357</a>
<b>Google Scholar Citation</b>	<a href="http://scholar.google.com/citations?user=9NQ4-HwAAAAJ&amp;hl=en">http://scholar.google.com/citations?user=9NQ4-HwAAAAJ&amp;hl=en</a>
<b>ResearchGate Profile</b>	<a href="https://www.researchgate.net/profile/Amjad_Al-Nasser">https://www.researchgate.net/profile/Amjad_Al-Nasser</a>
<b>Academia Profile</b>	<a href="https://yu.academia.edu/AmjadAlNasser">https://yu.academia.edu/AmjadAlNasser</a>
<b>Linkedin Profile</b>	<a href="https://www.linkedin.com/pub/prof-amjad-al-nasser/20/238/2a0">https://www.linkedin.com/pub/prof-amjad-al-nasser/20/238/2a0</a>

## **Education**

<b>Ph.D.</b>		<b>2001, National University of Malaysia - Malaysia</b>
	<b>Dissertation Title</b>	Generalized Maximum Entropy Estimation Approach to Errors-In-Variables Models
	<b>Emphasis</b>	Applied Statistics
<b>M.Sc.</b>		<b>1995, Yarmouk University – Jordan</b>
	<b>Thesis Title</b>	On the Power Function of the Likelihood Ratio Test (LRT) for Restricted Alternative in the Case of Multivariate Normal Distribution.
	<b>Emphasis</b>	Mathematical Statistics
<b>B.Sc.</b>		<b>1990, Yarmouk University – Jordan</b>
	<b>Major</b>	Statistics/Computer Science

## **Professional Experience**

<b>2017 (September, 6) - – September, 2018</b>	Professor Vice Dean of Scientific Research and Graduate Studies, Yarmouk University, Jordan
<b>2016 (February, 3) - – August 2017</b>	Professor Director of Quality Assurance and Institutional Effectiveness center, Al Falah University, Dubai
<b>2015 (March, 30) - – Present</b>	Professor Department of Statistics, Yarmouk University, Jordan
<b>2008 (March)- – 2015 (March,29)</b>	Associate Professor Department of Statistics, Yarmouk University, Jordan
<b>2011 (January) - – 2014 (August)</b>	Associate Professor College of Business Administration, University of Dubai (AACSB)
<b>2003 (January)- – 2008 (March)</b>	Assistant Professor Department of Statistics, Yarmouk University
<b>2001(September) – 2003 (January)</b>	Lecturer Department of Statistics, Yarmouk University
<b>2001(January) – 2001(August)</b>	Assistant Professor Department of business Administration, KEMNS International Islamic University Malaysia
<b>1999- 2000</b>	Lecturer

Department of Mathematics, Sedyya College  
Kuala Lumpur –Malaysia

1995 – 1996

Part Time Lecturer  
Department of Statistics, Yarmouk University

**Administrative Experiences**

2017 (September, 6) -  
– September, 2018

Professor  
**Vice Dean** of Scientific Research and Graduate Studies, Yarmouk  
University, Jordan

2016 (February)-  
– August, 2017

**Director** of Quality Assurance and Institutional Effectiveness Center,  
Al Falah University, Dubai.

2014 (September)-  
– 2016 (February)

**Chair**, Department of Statistics  
Yarmouk University, Irbid, Jordan.

2014 (December)-  
– 2015 (September)

**Assistant Dean** of Quality Assurance  
Yarmouk University, Irbid, Jordan.

2012 (August)-  
– 2013 (August)  
“Vacation Leave”

**Chair**, Department of Economics and Statistics;  
University of Dubai, Dubai, UAE. (AACSB)

2012 (August)-  
– 2013 (August)  
“Vacation Leave”

**Chair**, UD Research Center and Consultancy;  
University of Dubai, Dubai, UAE. (AACSB)

2009 (November)-  
– 2010 (December)  
“Vacation Leave”

**Head Section** - Area Planning & Residents Relations  
Western Region Municipality, Delma Island, Abu Dhabi,  
UAE.

2000 – 2001

Appointed as **consultant** by AD-MACS Crop. Consultants (M)  
Bhd in order to develop Statistical Software for measuring the “  
Malaysian Customer Satisfaction Index” and “ Quality and  
Productivity Measurement and Improvement”, 2001.

**Awards**

1. **Excellence Research Award. University of Dubai. Dubai. UAE. 2012**
2. **Elected member of the “International Statistical Institute (ISI)”, 2010. The Netherlands.**
3. **Selected one of the “LEADING SCIENTISTS of the WORLD, 2008”.**  
*International Biographical Centre. Cambridge, England.*

4. Selected for inclusion in “10<sup>th</sup> **Who’s Who in Science and Engineering, 2007**” *Marquis Who’s Who, New Jersey, USA.*
5. ***Excellent Student Award for Master Degree***, Yarmouk University, **1995.**

### **Research Interests**

- Generalized Maximum Entropy
- Ranked Set Sampling
- Measurement Error Models
- Acceptance Sampling Plans
- Directional Data Analysis
- Statistical Control Charts

### **Activities**

1. Orgnaizing the *first AFU international conference: Toward Advanced Scientific knowledge in Business Sciences (TASK2017)*, 3<sup>rd</sup> – 4<sup>th</sup> May, 2017. Al Falah University, Dubai, UAE.
2. Orgnaizing the *second research workshop in Al Falah University, Dubai: Bussiness Data Analysis: A crossroad Between Business and Society.* 15<sup>th</sup>– 16<sup>th</sup> Februray 2017. Al Falah University, Dubai, UAE.
3. Orgnaizing the *first research workshop in Al Falah University, Dubai: Bussiness Data Analysis: A crossroad Between Research and Education.* 27<sup>th</sup>– 28<sup>th</sup> April 2016. Al Falah University, Dubai, UAE.
4. Orgnaizing the *Second Jordanian National Congress of Statistics.* 2<sup>nd</sup>– 3<sup>rd</sup> December 2015. Yarmouk University.
5. Orgnaizing the *first Jordanian National Congress of Statistics.* 22<sup>nd</sup> – 23<sup>rd</sup> May 2007. Yarmouk University.
6. Orgnaizing the *6<sup>th</sup> Jordanian International Congress of Mathematics.* 31<sup>st</sup> August – 3<sup>rd</sup> September 2004. Yarmouk University.
7. Member of the scientific committee. For two rounds, 2006 and 2008; of the conference: *Methods, Models and Information Technologies for decision support systems (MTISD).* Italy.
8. Gave consultations to many graduate students and faculty at Yarmouk University and other universities in many of Arabs Countries (UAE, KSA, Kuwait), and Other countries (UK, Italy, Malaysia, and Austuralia)
9. Gave consultations to several individuals who are working in various places.

## **Memberships**

- 1- Asian Council of Science Editors (ACSE). 2018.
- 2- International Statistical Institute. ISI. 2010.
- 3- Bernoulli Society. Netherland. 2010.
- 4- Jordanian Mathematical Society. 2003 - 2009
- 5- Member of the Course File Committee, at University level, Yarmouk University, 2017/2018.
- 6- Member of the Scientific Research Counsel, at University level, Yarmouk University, for one year; 2017/2018..
- 7- Member of the Graduate Studies Counsel, at University level, Yarmouk University, for one year; 2017/2018..
- 8- Member of the Strategic Plan Committee, at University level, Yarmouk University, 2015/2016.
- 9- Member of the Quality Assurance Counsel, at University level, Yarmouk University, for two years; starting from October, 2015.
- 10- Member of the MBA committee in the College of Business Administration, University of Dubai. 2010 - 2014
- 11- Member of the College Council, Faculty of Science, Yarmouk University: 2002/2003; 2014/2015 and 2015/2016.
- 12- Member of Several Committees (Quality Assurance, Planning, Investigations, Curriculum Review and Research Committee) in the Faculty of Science, and the Department of Statistics. Yarmouk University. 2003-2009, 2014-2015.
- 13- Member of Several Committees , at department and college levels, (Academic Affairs Committee, Curriculum Review Committee, Research Committee and MBA Committee) in the College of Business Administration, and the Department of Economics and Statistics; University of Dubai. 2010 - 2014

## **Publications (Articles in Journals)**

1. **Amjad D. Al-Nasser**, Aslam M. **2018**. Developing a New Control Chart based on Repetitive Ranked Set Sampling: Ranked Set Sampling: 65 years improving the accuracy in Data Gathering. **Accepted** Book Chapter, February 2018. Elsevier.
2. Corrado C; Ciavolino E, **Amjad D. Al-Nasser**. **2018**. Entropy Measures: An Health Care Study. Contributions to Theoretical and Applied Statistics. In Honor of Corrado Gini. **Accepted**, Book Chapter in November 6, 2017. Springer.

3. Mohamed Behery, **Amjad D. Al-Nasser**, Fauzia Jabeen, Ahmed Said El Rawas. (2018). Toxic Leadership and Organizational Citizenship Behavior: A Mediation Effect of Followers' Trust and Commitment in the Middle East. Accepted, 12 -10 - 2018. *International Journal of Business and Society*.
4. Ahmed Bani-Mustafa, K. M. Matawie, C. F. Finch, **Amjad Al-Nasser**, Enrico Ciavolino. **2018**. Recursive Residuals for Linear Mixed Models. Quality and Quantity. <https://doi.org/10.1007/s11135-018-0814-6>. Published online in 29-9-2018.
5. **Amjad D. Al-Nasser**, Amer I. Al-Omari Ahmed Bani-Mustafa, Khalifa Jaber. **2018**. Developing Single-Acceptance Sampling Plans Based on a Truncated Lifetime Test for an Ishita Distribution. Statistics in Transition New Series. **Accepted** in July 17, 2018.
6. AL-Omari, A; **Amjad D. Al-Nasser**, Ciavolino E., **2018**. Economic design of acceptance sampling plans for truncated life tests using three-parameter Lindley distribution. Journal of Modern Applied Statistical Methods. **Accepted**, 31-12-2017.
7. **Amjad D. Al-Nasser** and Amer I. Al-Omari. **2018**. MiniMax Ranked Set Sampling. Revista Investigación Operacional. **39(4), 560-570**.
8. Al-Omari A; Aslam M, **Amjad D. Al-Nasser**. **2018**. Acceptance Sampling Plans From Truncated Life Tests Using Marshall-Olkin Esscher Transformed Laplace Distribution. Journal of Reliability and Statistical Sciences. **11(1): 103-115**.
9. AL-Omari, A; **Amjad D. Al-Nasser**, Ciavolino E., **2018**. A Size-Biased Ishita Distribution and Application to Real Data. Quality and Quantity. **Accepted**, 8-5-2018.
10. Riyadh Muhaidat, Mohammad H. Brake, Mazhar Al Zoubi, Robert I. Colautti, **Amjad Al-Nasser**, Muheeb Awawdeh, Khalid Al-Batayneh, Wesam Al Khateeb, Athena D. McKown, Jamil Lahham, Ahmad El-Oqlah. 2018. Integrating morphological characters, molecular markers, and distribution patterns to assess the identity of *Blepharis* species from Jordan. Botanical studies, (2018) 59: 18. <https://doi.org/10.1186/s40529-018-0234-x>
11. Fatima S. Gogah and **Amjad D. Al-Nasser**. **2018**. Median Ranked Acceptance Sampling Plans for Exponential Distribution. Afrika Matematika. 29 (3-4), 477 - 497. <https://doi.org/10.1007/s13370-018-0555-7>
12. Amer I. Al-Omari and **Amjad D. Al-Nasser**. **2018**. Ratio estimation using multistage median ranked set sampling approach. Journal of Statistical Theory and Practice . **12(3): 512-529**. <https://doi.org/10.1080/15598608.2018.1425168>

13. Ambreen Shafqat, Jaffer Hussain, **Amjad D. Al-Nasser**, Muhammad Aslam. **2018**. Attribute Control Chart for Some Popular Distributions. *Communications in Statistics: Theory and Methods*. **47(8)**, **1978 - 1988**. <https://doi.org/10.1080/03610926.2017.1335414>
14. **Amjad D. Al-Nasser** and Fatima S. Gogah. **2017**. On Using The Median Ranked Set Sampling for Developing Reliability Test Plans Under Generalized Exponential Distribution. *Pakistan Journal of Statistics and Operation Research*. **13(4)**, **757 -774**.
15. Ihashmi Maryam, Jabeen Fauzia, **Amjad D. Al-Nasser**, Papastathopoulos Avraam. **2017**. The Antecedents Of Employee Turnover Intentions In The Police Force In The United Arab Emirates: A Conceptual Framework. *International Journal of Business and Society*. 18(S3), 449-462.
16. Amer I. Al-Omari, **Amjad D. Al-Nasser**, Fatima S. Gogah and Muhammad A. Haq. **2017**. On Exponentiated Generalized Inverse Rayleigh Distribution based on Truncated Life Tests in Double Acceptance Sampling Plan. *Stochastics and Quality Control* 32 (1), 37- 48.
17. Behery M., **Amjad D. Al-Nasser**. **2017**. Examining the effect of leadership on women's career paths in the Middle-East: A mediation effect of the glass ceiling in the United Arab Emirates". *Journal of Competitiveness Studies*. **Accepted**
18. Imen Kouki and **Amjad D. Al-Nasser**. **2017**. The implication of banking competition: evidence from African countries. *Research in International Business and Finance*. 39, part.B. 878-895. [doi:10.1016/j.ribaf.2014.09.009](https://doi.org/10.1016/j.ribaf.2014.09.009).
19. Alyahya, M.S. Hijazi, H.H., Alshraideh, H.A. and **Amjad D. Al-Nasser**. **2017**. Using decision trees to explore the association between the length of stay and potentially avoidable readmissions: A retrospective cohort study. *Informatics for Health and Social Care*. 12 January 2017, Pages 1-17. DOI: 10.1080/17538157.2016.1269105
20. **Amjad D. Al-Nasser**, Ayat Al-Sliti, Midhet Edous. **2016**. New Iterative AM Estimation Procedure for Fitting the Simple Linear Measurement Error Models. *Electronic Journal of Applied Statistical Analysis*. 9(3): 491-501.
21. Amer I. Al-Omari, **Amjad D. Al-Nasser**, Fatima S. Gogah. **2016**. Double acceptance sampling plan for time truncated life tests based on transmuted new Weibull-Pareto distribution. *Electronic Journal of Applied Statistical Analysis*. 9(3): 520-529.
22. Amer I. Al-Omari, **Amjad D. Al-Nasser** and Fatima Gogah. **2016**. Double Acceptance Sampling Plan for Time Truncated Life Tests based on Half Normal Distribution. *Economic Quality Journal*. 31 (2), 93-99, DOI: [10.1515/eqj-2016-0004](https://doi.org/10.1515/eqj-2016-0004).
23. Mohamed Behery , **Amjad D. Al-Nasser** ,. **2016**. "Examining the impact of leadership style and coaching on employees' commitment and trust: mediation



- effect of bullying and job alienation", *International Journal of Organizational Analysis*, 24: 2, 291-314. DOI: [10.1108/IJOA-03-2014-0749](https://doi.org/10.1108/IJOA-03-2014-0749)
24. Washika Haak-Saheem, Tamer K. Darwish & **Amjad D. Al-Nasser**. 2016: HRM and knowledge-transfer: a micro analysis in a Middle Eastern emerging market, *The International Journal of Human Resource Management*, DOI: [10.1080/09585192.2016.1138499](https://doi.org/10.1080/09585192.2016.1138499)
  25. **Amjad D. Al-Nasser** and Mohamed Behery , 2015,"Examining the relationship between organizational coaching and workplace counterproductive behaviors in the United Arab Emirates", *International Journal of Organizational Analysis*, 23(3): 378- 403. <http://dx.doi.org/10.1108/IJOA-08-2014-0793>
  26. **Amjad D. Al-Nasser**; and Amer Al-Omari 2015. Information Theoretic Weighted Mean Based on Truncated Ranked Set Sampling. *Journal of Statistical Theory and Practice*. 9(2): 313 - 329
  27. R Hussain, **Amjad D. Al-Nasser**, YK Hussain. 2015. Service quality and customer satisfaction of a UAE-based airline: An empirical investigation. *Journal of Air Transport Management* 42, 167-175.
  28. E Ciavolino, M Carpita, **Amjad D. Al-Nasser**. 2015. Modelling the quality of work in the Italian social co-operatives combining NPCA-RSM and SEM-GME approaches. *Journal of Applied Statistics* 42 (1), 161-179.
  29. AA Marie, ME Ibrahim, **Amjad D. Al-Nasser**. 2014. Effects of Financial and Non-financial Performance Measures on Customers' Perceptions of Service Quality at Islamic Banks in UAE. *International Journal of Economics and Finance* 6 (10), 201- 213.
  30. **Amjad D. Al-Nasser**. 2014. Two steps generalized maximum entropy estimation procedure for fitting linear regression when both covariates are subject to error. *Journal of Applied Statistics*. 41 (8): 1708-1720.
  31. Mohammed Al-Rawwash and **Amjad D. Al-Nasser**. 2013. Repeated Measures and Longitudinal Data Analysis Using Higher-Order Entropies. *Statistica Neerlandica* 67(1): 100–111.
  32. **Amjad D. Al-Nasser**, A., Al-Omari, A. and Al-Rawwash, M. 2013. A control chart of the sample mean using the folded ranked set sampling. *Pakistan Journal of Statistics and Operation Research*. IX(1). 79 - 91.
  33. **Amjad D. Al-Nasser**; A Al-Omari;. 2013. Acceptance Sampling Plan Based on Truncated Life Tests for Exponentiated Fréchet Distribution. *Journal of Statistics & Management Systems*.16(1). 13 - 24.



34. Attiea Marie, **Amjad Al-Nasser** and Mohammed Ibrahim. **2013**. Operational-Profitability-Quality Performance of Dubai's Banks: Parallel Data Envelopment Analysis. *Journal of Management Research*. 13(1): 25-34.
35. Ciavolino, Enrico and Carpita, Maurizio and **Al-Nasser, Amjad**, **2012**. A Job Satisfaction Structural Equation Model Obtained Combining Rasch Analysis and Generalized Maximum Entropy Estimation (January 27, 2012). Available at SSRN:<http://ssrn.com/abstract=1993102> or <http://dx.doi.org/10.2139/ssrn.1993102>
36. A Al-Omari; **Amjad D. Al-Nasser**. **2012**. On the population Median Estimation Using Robust Extreme Ranked Set Sampling. *Monte Carlo Methods and Applications*. 18(2): 109 - 118.
37. **Amjad D. Al-Nasser**. **2012**. On Using the Maximum Entropy Median for Fitting the Unreplicated Functional Model between the Unemployment Rate and the Human Development Index in the Arab States. *Journal of Applied Sciences*, 12: 326-335.
38. M-Ali H. Al-Akhras, Khaled Aljarrah, Hasan Al-Khateeb, Adnan Jaradat, Abdelkarim Al-omari, **Amjad Al-Nasser**, Majed M. Masadeh, Amr Amin, Alaaeldin Hamza, Karima Mohammed, Mohammad Al Olama & Sayel Daoud. **2012**. *Introducing Cichorium Pumilum as a Potential Therapeutical Agent against Drug-Induced Benign Breast Tumor in Rats*. *Electromagnetic Biology and Medicine*: 31(4): 299 – 309.
39. Amer Al-Omari; **Amjad D. Al-Nasser**. **2011**. Statistical Quality Control Limits for the Sample Mean Chart Using Robust Extreme Ranked Set Sampling. *Economic Quality Control*. 26(1): 73 – 89
40. Ahmed Bani Mustafa; **Amjad D. Al-Nasser** and Muhammad Aslam. **2011**. Folded Ranked Set Sampling for Asymmetric Distribution. *Communications of the Korean Statistical Society*. 8(1). 147 - 153.
41. Muhammad Aslam, Maryam Fatima, Ahmed Bani Mustafa & **Amjad D. Al-Nasser**. **2011**. Improved Group Acceptance Sampling Plans for the Gamma Distributed Items. *Statistica & Applicazioni*. **IX(2)**. 159 - 173.
42. **Amjad D. Al-Nasser**. **2011**. An Information-Theoretic Alternative to Maximum Likelihood Estimation Method in Ultrastructural Measurement Error Model. *Hacettepe Journal of Mathematics and Statistics*. 40(3). 469 - 481.
43. **Amjad D. Al-Nasser** Mohammed Al-Rawwash and Anas Al-Akhras. **2011**. An approach to setting up a national customer satisfaction index: the Jordan case study. *Journal of Applied Statistics*. 38(9). 1977 – 1993.
44. **Amjad D. Al-Nasser** and Abdel Rahim Al-Atrash. **2011**. Information-Theoretic Approach for Constructing a Super Data Envelopment Analysis. *Asian Journal on Quality*. **12(1)**. 54 - 66.

45. Mohammed Al-Rawwash and **Amjad D. Al-Nasser**. 2011. Longitudinal Data Analysis Using Generalized Maximum Entropy Approach. *Jordan Journal of Mathematics and Statistics*. 4(1). 47 - 60.
46. Talal Al-Momani, Ahmad A Altaani, **Amjad D Al Nasser**, Nazem M El-Radaideh. 2011. An Assessment of Automobile Emissions in Irbid, Northwest Jordan. *Electronic Journal of Applied Statistical Analysis (EJASA)*. 4(1), 91-102.
47. Talal Al-Momani and **Amjad D. Al-Nasser**. 2011. Emissions Rate of Gases Emitted from Private gasoline Vehicles in Irbid –Jordan. *Jordan Journal of Civil Engineering*. 5(2). 287 - 301.
48. Anas Alakhras, **Amjad D. Al-Nasser**, Mohammad Al-Rawwash. 2011. Framework Setup of a National Customer Satisfaction Barometer With an Application to Vocational Training Corporation. Dirasat. Administrative Sciences, Volume 38, No. 2, 2011
49. May F. Sadiq, Ekhlas A. Al-Refai, **Amjad D. Al-Nasser**, Mohammad Khassawneh, Qasem Al-Batayneh. 2011. Methylenetetrahydrofolate Reductase Polymorphisms C677T and A1298C as Maternal Risk Factors for Down Syndrome in Jordan. *Genetic Testing and Molecular Biomarkers*. –Vol.15, Number1-2-, doi:10.1089/gtmb.2010.0057.
50. Mohammed Azab, Nabil AL-Bashir, Susan N. Momani, **Amjad D. Al-Nasser**, Almuthanna K. Alkaraki, Omar F. Khabour.2010. Comparison Between Frequencies of Several STRs Loci in Jordan with Neighboring Countries. *Jordan Medical Journal*, Vol 44(1): 55 – 60.
51. Karem H. Alzoubi, Mohammad Azab, Omar F. Khabour, Adan W. Al-shamaila, Nehad M. Ayoub, Mahmoud K. Al-Omiri, **Amjad D. Al-Nasser**, Nizar M. Mhaidat and Sayer I. Al-Azzam. 2010. Smoking-cessation practice guidelines: awareness and implementation among medical teams. *International Journal of Pharmacy Practice*, 18(2):93-99. DOI: 10.1211/ijpp.18.02.0004.
52. **Amjad D. Al-Nasser**. 2010. An Information-Theoretic Approach to Ultra Structural Measurement Error Model. *Statistics in Transition – New Series*. 11(1). 9 – 24.
53. **Amjad D. Al-Nasser** Omar Edious, and Loay Emhidat. 2010. Multilevel linear models analysis using generalized maximum entropy. *Asian J. Math. Stat.*, 3(2): 111-118. DOI: [10.3923/ajms.2010.111.118](https://doi.org/10.3923/ajms.2010.111.118).
54. Enrico Ciavolino and **Amjad D. Al-Nasser**. 2010. Information Theoretic Estimation Improvement to the Nonlinear Gompertz's Model Based on Ranked Set Sampling. *Journal of Applied Quantitative Methods (JAQM)*. 5(2):317 - 330.
55. **Amjad D. Al-Nasser** and Mohammed Al-Talib. 2010. The Ranked Sample-Mean Monte Carlo Method for Unidimensional Integral Estimation. *Asian J. Math. Stat.*, 3(3):130-138. DOI: [10.3923/ajms.2010.130.138](https://doi.org/10.3923/ajms.2010.130.138)

56. Al-Radaideh, A., **Amjad D. Al-Nasser** and E. Ciavolino, **2010**. Efficient wald type estimators for simple linear measurement error model. *Asian J. Math. Stat.*, 3 (2): 82-92. DOI: [10.3923/ajms.2010.82.92](https://doi.org/10.3923/ajms.2010.82.92).
57. **Amjad D. Al-Nasser** and Ahmed Bani Mustafa. **2009**. Robust Extreme Ranked Set Sampling. *Journal of Statistical Computation and Simulation (JSCS)*. 79(7): 859 – 867.
58. Enrico Ciavolino and **Amjad D. Al-Nasser**. **2009**. Comparing Generalized Maximum Entropy and Partial Least Squares Methods for Structural Equation Models. *Journal of Nonparametric Statistics (JNPS)*. 21(8). 1017 - 1036.
59. Ekhlal A. Al-Refai, May F. Sadiq, Mohammad Khassawneh, **Amjad D. Al-Nasser**. **2009**. Effect of Methotrexate on the Survival of Human Lymphocyte Cultures Carrying *MTHFR* 677 (C > T) and *MTHFR* 1298 (A > C) Mutations. *Drug and Chemical Toxicology*. 32(2). 103 – 107.
60. Ahmed Bani Mustafa and **Amjad D. Al-Nasser**. **2008**. On Estimating the Variance of Maximum Entropy Median for Odd Sample Size. *Pakistan Journal of Statistics (PJS)*. 24(1), 1-10.
61. **Amjad D. Al-Nasser**, and Ahmed Al-Radaideh. **2008**. Estimation of Simple Linear Regression Model Using L Ranked Set Sampling. *International Journal of Open Problems in Computer Science and Mathematics (IJOPCM)*. 1(1):18-33.
62. Mohammad Al-Talib, and **Amjad D. Al-Nasser**. **2008**. Estimation of Gini-Index from Continuous Distribution Based on Ranked Set Sampling. *Electronic Journal of Applied Statistical Analysis (EJASA)*. 1: 37-48.
63. **Amjad, D. Al-Nasser** and Mohammed Al-Rawwash. **2007**. A Control Chart Based On Ranked Data. *Journal of Applied Sciences (JAS)*. 7(14), Pp 1936-1941.
64. **Amjad, D. Al-Nasser**. **2007**. L Ranked set sampling: A generalization procedure for robust visual sampling. *Communications in Statistics: Simulation and Computation*. 36(1). Pp 33 – 43.
65. **Amjad D. Al-Nasser** and Mohammed Al-Haj Ebrahim. **2007**. An Efficient Estimation Method Based On Double Phase Sampling. *Austrian Journal of Statistics (ASJ)*. 36(4): 319 – 328.
66. Ayman S. Baklizi and **Amjad, D. Al-Nasser**. **2007**. Large Sample and Bootstrap Intervals for the Gamma Scale Parameter Based On Grouped Data. *Journal of Modern Applied Statistical Methods*. 5(2). Pp 356 – 366.

67. **Amjad D. Al-Nasser** and Talal Al-Momani. **2006**. Statistical Modeling of Exhaust Gas Emissions - Irbid Directorate. *ABHATH AL-YARMOUK: Basic Sciences and engineering*. 15(1): Pp 155-172.
68. Talal Al-Momani and **Amjad D. Al-Nasser**. **2006**. Statistical Analysis of Air Pollution Caused by Exhaust Gases Emitted From Gasoline Vehicles. *Dirasat: Pure Science*, 32(1). Pp 93- 102.
69. Ayman Baklizi, Abedel-Qader El-Masri and **Amjad, D. Al-Nasser**. **2005**. Acceptance Sampling Plans in the Raleigh Model. *The Korean Communications in Statistics*. April 2005. 12 (1). Pp 11-18.
70. Madan C., K., Al-Rawi Z., and **Amjad, D. Al-Nasser**. **2005**. On  $M^x / \begin{pmatrix} G_1 \\ G_2 \end{pmatrix} / 1/G(BS)/V_s$  Vacation Queue with Two Types of General Heterogeneous Service. *Journal of Applied Mathematics and Decision Sciences*. 2005:3(2005). Pp 123-135
71. **Amjad, D. Al-Nasser** & Mohammed Al-Haj Ebrahim. **2005**. A New nonparametric method for estimating the slope of simple linear Measurement Error Model In The Presence of Outliers. *Pakistan Journal of Statistics*. 21 (3). Pp 265-274.
72. **Amjad, D. Al-Nasser**, Mohammed Al-Haj Ebrahim & Abedelqader Al-Masri. **2005**. On the Use of L-Statistics In Wald-Type Estimators for Fitting a Straight Line When Both Variables are Subject to Error. *Pakistan Journal of Statistics*. 21 (2). Pp 179-194.
73. Mohamed Al-Haj Ebrahim & **Amjad, D. Al-Nasser**. **2005**. Estimating the Slope of Simple Linear Regression In the Presence Of Outliers. *Journal of Modern Applied Statistical Methods*. 4(2), Pp 509-513.
74. **Amjad, D. Al-Nasser**. **2005**. Entropy Type Estimator to Simple Linear Measurement Error Models. *Austrian Journal of Statistics*. 34(3), Pp 283-294.
75. **Amjad, D. Al-Nasser** & Ayman S. Baklizi. **2004**. Interval Estimation for the Scale Parameter of Burr Type X Distribution Based On Grouped Data. *Journal of Modern Applied Statistical Methods*. 3(2), Pp 386-398.
76. Kailash C, Madan,., **Amjad D. Al-Nasser** and Abdelqader, S. Al-Masri. **2004**. On  $M^{[x]} / \begin{pmatrix} G_1 \\ G_2 \end{pmatrix} / 1$  queue with optional re-service. *Applied Mathematics and Computation*. 152(1). Pp 71-88.
77. **Amjad D. Al-Nasser**. **2004**. Estimation of Multiple Linear Functional Relationships. *Journal of Modern Applied Statistical Methods*. 3(1), Pp: 181-186.

78. **Amjad, D. Al-Nasser 2003**. Customer Satisfaction Measurement Models: Generalized Maximum Entropy Approach. *Pakistan Journal of Statistics*. 19(2). Pp 213-226.
79. **Amjad, D. Al-Nasser 2003**. Fitting Nonlinear Regression Models Using Generalized Maximum Entropy. *Abhath Al-Yarmouk: "Basic Sci. & Eng."* 11(2B). Pp 145-155.
80. Zainodin H. Jubok & **Amjad D. Al-Nasser 2002**. Parameter Estimation using semi fractional moments in lognormal distribution. *J. of Borneo Science*.5. Pp.37-46.
81. **Amjad D. Al-Nasser & Hussien Al-Rawash .2001**. On the power function of the LRT for restricted alternative in the case of multivariate normal distribution *Abhath al-Yarmouk: " Basic Sci & Eng"*. 10(1): Pp 41-57.
82. Mokhtar Abdullah. **Amjad D. Al-Nasser & Nooreha, H. 2000**. Evaluating Functional Relationship between Image, Customer Satisfaction, and Loyalty using General maximum Entropy. *Total Quality Management* 11 (6): Pp 826-829.

#### **Publications (Invited Articles in Conferences/ Seminars)**

1. **Amjad D. Al-Nasser. 2018**. Visual Sampling Techniques (**Invited Seminar**). Department of Economics and Management, University of Brescia, Milano, Italy. May 31, 2018.
2. **Amjad D. Al-Nasser. 2018**. Estimation Methods Using Entropy Principle (**Invited Seminar**). Department of Economics and Management, University of Brescia, Milano, Italy. May 30, 2018.
3. **Amjad D. Al-Nasser. 2017**. Customer Satisfaction Index: An Information Theoretic Approach. (**Invited Paper: Keynote Speaker**). International Foundation for Research and Development (IFRD). Flora Grand Hotel, Dubai, UAE. March 25, 2017.
4. **Amjad D. Al-Nasser. 2015**. An Introduction to Structural Equation Modeling Using AMOS. (**Invited Seminar**). Canadian University of Dubai, Dubai, June, 2015.
5. **Amjad D. Al-Nasser. 2012**. Multivariate Data Analysis. (**Invited Seminar**). Università del Salento, Lecce, 1820, December 2012. Italy.
6. **Amjad D. Al-Nasser. 2008**. Multilevel Linear Models Analysis Using Generalized Maximum Entropy. (**Invited Paper: Keynote Speaker**). MTISD 2008 – Methods, Models and Information Technologies for Decision Support



Systems Università del Salento, Lecce, 1820, September 2008. © 2008 University of Salento - SIBA <http://siba2.unile.it/ese>. Pp 224 – 227.

7. **Amjad D. Al-Nasser**, Enrico Ciavolino and Luigi D’Ambra. **2006**. Generalized Maximum Entropy for Evaluating Customer Satisfaction in Health Care Services: A Comparative Study. *Methods, Models and Information Technologies for decision support systems (MTISD)*. Napoli- Italy: 28-30 September. (**Invited Paper: Keynote Speaker**).

### **Publications (Articles Presented in Conferences/ Seminars)**

8. **Amjad D. Al-Nasser**, Medhat Edous, Ayat Al-Sliti . **2016**. Estimating the Relationships between Happiness and Transparency in the Arab World Using Iterative Grouping Method. The first AFU Workshop: “Business Data Analysis: A Cross Road Between Research and Education”; Al Falah University, Dubai, 27-28 April, 2016.
9. Medhat Edous and **Amjad Al-Nasser**. **2015**. Measurement Errors Models. The Second Statistical Conference, Department of Statistics, Yarmouk University, Jordan, 2-3 December, 2015.
10. **Amjad D. Al-Nasser** and Enrico Civolino. 2010. Generalized Maximum Entropy for the Multigroup Models and Dummy Variables. **MEETING ON DYNAMICS OF SOCIAL AND ECONOMIC SYSTEMS. 2010**, Dyses 2010 FC 92049200626 - Via delle Puglie, 82 - 82100 Benevento - Italy. <http://www.dyses2010.unisannio.it>
11. Mohammed Al-Rawwash, **Amjad D. Al-Nasser** and Amer Al-Omari. 2014. Quality Control Charts Using Different Ranked Set Sampling Schemes. Mathematics and Computers in Science and Engineering Series 33: Mathematical Sciences and mechanics, Pp 173 - 178. Proceedings of the **5th International Conference on Theoretical and Applied Mechanics (TAM '14)**. October 30 - November 1, 2014. Lisbon, Portugal, ISSN: 2227-4588
12. Imen Kouki and Amjad Al-Nasser. 2013. The competition of the African Banking. **3rd International Symposium in Computational Economics and Finance (ISCEF) April, 10-12, 2014, Paris**
13. **Amjad D. Al-Nasser**, Ahmed Radaideh and Enrico Ciavolino. **2010**. Improving Parameter Estimation in Simple Linear Structural Measurement Errors Model by Using Double Ranked Set Sampling with Application for Pines Trees. AGROSTAT 2010, 11<sup>th</sup> European Symposium on Statistical Methods for the Food Industry. Department of Analysis of Economic and Social Systems of the University of Sannio (Benevento, Italy). February, 2010.
14. Mohammed Al-Rawwash and **Amjad D. Al-Nasser**. 2009. Repeated Measures and Longitudinal Data Analysis Using Generalized Maximum Entropy Approach. The 2nd

- Arab Statistical Conference. Great Socialist People's Libyan Arab Jamahiriya, November 2 – 4, 2009. Pp. 624-637.  
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15. Anas Al-Akhras, **Amjad D. Al-Nasser** and Mohammed Al-Rawash. 2009. Theory and Statistical Development of a National Customer Satisfaction Barometer. Jordan University. October, 27, 2009.
  16. Abdulrahim Al-Atrash and **Amjad Al-Nasser**. 2009. Super Data Envelopment Analysis Using Generalized Maximum Entropy. Jordan University, October, 27, 2009.
  17. Ahmed Al-Radaideh, **Amjad D. Al-Nasser** & Enrico Ciavolino. 2008. Efficient Wald - Type Estimators for Simple Linear Measurement Error Model. MTISD 2008 – Methods, Models and Information Technologies for Decision Support Systems Università del Salento, Lecce, 1820, September 2008. © 2008 University of Salento - SIBA <http://siba2.unile.it/ese>. Pp 305 – 308.
  18. *Mohammad M. Al-Talib, Mohammad Y. Al-Rawwash, **Amjad D. Al-Nasser**.* 2008. A COMPARATIVE STUDY FOR ESTIMATING THE PARAMETERS OF THE SECOND ORDER MOVING AVERAGE PROCESS. MTISD 2008 – Methods, Models and Information Technologies for Decision Support Systems Università del Salento, Lecce, 1820, September 2008. © 2008 University of Salento - SIBA <http://siba2.unile.it/ese>. Pp 345 – 348.
  19. Mohammad Al-Rawwash, **Amjad D. Al-Nasser** & Mohammad Al-Talib. 2008. Parameter Estimation of Moving Average Process Using Generalized Maximum Entropy Approach. "2<sup>nd</sup> International Conference on MATHEMATICS & STATISTICS": Athens Institute for Education and Research. 16-19 June 2008, Athens: Greece.
  20. **Amjad D. Al-Nasser** & Ahmed Radaidah. 2007. *Estimation of Simple Linear Regression Model Using L Ranked Set Sampling*. International Conference on: Ordered Statistical Data & inequalities: Theory & Applications. University of Jordan, June: 12-14, Jordan.
  21. **Amjad D. Al-Nasser** & Enrico Ciavolino. 2007. Parameter Estimation for the Non linear Gompertz Model Using Entropies of order  $r$ . International Conference on: Ordered Statistical Data & inequalities: Theory & Applications. University of Jordan, June: 12-14, Jordan.
  22. **Amjad D. Al-Nasser** & Ayman S. Baklizi. 2007. *Reliability Sampling Test Plan For Half Normal Distribution*. In Ahmad Izani et al.(eds) 3<sup>rd</sup> IMTGT Regional Conference in Mathematics, Statistics and Applications, December 2007, pp 767 - 773. ISBN: 978-983-3986-25-5. Penang- Malaysia.



23. **Amjad D. Al-Nasser** & Ahmed Radaidah. **2007**. *Estimation of Simple Linear Regression Model Using L Ranked Set Sampling*. International Conference on: Ordered Statistical Data & inequalities: Theory & Applications. University of Jordan, June: 12-14, Jordan.
  
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25. Enrico Ciavolino, **Amjad D. Al-Nasser**, and Antonello D'Ambra. **2006**. The Generalized Maximum Entropy estimation method for the Structural Equation Models. 30<sup>th</sup> Annual Conference of the German Classification Society (*GfKI*). Advances in Data Analysis. Germany: 8-13 March.
  
26. **Amjad, D. Al-Nasser** & Ayman, S. Baklizi. **2004**. Two stages Generalized Maximum Entropy Estimation To Simple Linear Functional Relationships. The Sixth Jordanian International Congress of Mathematics (SJICM). 31<sup>st</sup> August – 3<sup>rd</sup> September. 2004. Yarmouk University/ Jordan.
  
27. Mohammed Al-Haj Ebrahim & **Amjad D. Al-Nasser**. **2004**. On AM Correlation Coefficient. The Sixth Jordanian International Congress of Mathematics (SJICM). 31<sup>st</sup> August – 3<sup>rd</sup> September. 2004. Yarmouk University/ Jordan.
  
28. Mokhtar Abdullah & **Amjad D. Al-Nasser**. **2003**. On generalized maximum entropy approach to estimating causal relationships. *INTERNATIONAL CONFERENCE ON RESEARCH AND EDUCATION IN MATHEMATICS (2003 : Serdang, Selangor) : 15p.*
  
29. **Amjad D. Al-Nasser**. **2002**. Generalized Maximum Entropy Procedure for Measuring the Efficiency of Decision Making Units. Fifth International Congress of Mathematics. Jordan: Irbid, September 2-5, 2002: Yarmouk University.
  
30. **Amjad, D. Al-Nasser** **2002**. Generalized Maximum Entropy producer for measuring Customer Satisfaction Measurement Models: Third international congress of mathematical Sciences. Jordan: Al-Mafraq, June 2002: Al Al-Bayyet University.
  
31. Mokhtar Abdullah, Nooreha H & **Amjad D. Al-Nasser** .**2001**. Theory and development of national customer satisfaction index: The Malaysian index of customer satisfaction. The 6<sup>th</sup> world congress, 2001, Saint Petersburg: p277-283.
  
32. **Amjad D. Al-Nasser**, Mokhtar Abdullah & Wan Endut, W. J. **2000**. On Robust Estimation of Error-in-Variables models by using Generalized Maximum Entropy. International conference on mathematics and its applications in the new

- millennium. Dept. of Mathematics. Universiti Putra Malaysia. 18-21 July. Pp 279-287.
33. Mokhtar Abdullah. **Amjad D. Al-Nasser** & Nooreha, H. **2000**. On the application of Generalized Maximum Entropy in Measuring Relative Efficiency. International conference on mathematics and its applications in the new millennium. Dept. of Mathematics. Universiti Putra Malaysia. 18-21 July. Pp 260-265.
  34. **Amjad D. Al-Nasser** & Mokhtar Abdullah. **1999**. EIV Regression by using Maximum Entropy Median. Prosiding Seminar Sehari Statistik. Institut Sains Matematik. Universiti Malaya. 6 February 1999: Pp:8-13.
  35. **Amjad, D. Al-Nasser** & ZainulDain Jubok (**1998**). Semi Fractional moment estimation in Log Normal Distribution (seminar ITM- Malaysia / September 1998)
  36. **Amjad D. Al-Nasser** & Hussien Al-Rawash (**1996**). Bayes combination tests for one and two-sided alternative in the case of bivariate normal distribution (In the third Jordanian mathematical conference-Jordan, September 1996).

#### **Technical Reports:**

1. Mokhtar Abdullah & **Amjad D. Al-Nasser** (**1999**). Robust Estimation of Linear Structural Relationship Using Generalized Maximum Entropy and Its Application in Measuring Customer Satisfaction, Technical Report Pusat Pengajian Sains Matematik, Fakulti Sains dan Teknologi, UKM.
2. Mokhtar Abdullah & **Amjad D. Al-Nasser** (**1999**). Indirect Estimation Method of Errors in Variables Using Generalized Maximum Entropy, Technical Report Pusat Pengajian Sains Matematik, Fakulti Sains dan Teknologi, UKM.
3. Mokhtar Abdullah & **Amjad D. Al-Nasser** (**1999**). Robust Estimation of Linear Functional models Using Generalized Maximum Entropy, Technical Report Pusat Pengajian Sains Matematik, Fakulti Sains dan Teknologi, UKM.

## Text Books and Statistical Packages



1. **Amjad D. Al-Nasser**. 2010. Measuring Customer Satisfaction: An Information-Theoretic Approach. LAP Lambert Academic Publishing AG & CO.KG. Germany.
2. Mohammed Abu Saleh and **Amjad D. Al-Nasser**. 2010. *Statistical Analysis Guide Using SPSS*. Dar Al-Yazouri. Amman. Jordan. (In Arabic)
3. **Amjad D. Al-Nasser**. 2007. Lecture Notes in Statistical Analysis Using SPSS: Arab Statisticians Center: Irbid-Jordan.
4. **Amjad D. Al-Nasser**. 2005. Basic Statistical Analysis Using MINITAB 13: STAT 105. Unpublished University Text Book.
5. **Amjad D. Al-Nasser**. 2005. Simulator.1: A Statistical Package For Generating Random Numbers: STAT 106. Teaching package for undergraduate students at Yarmouk University: Department of Statistics.
6. **Amjad D. Al-Nasser** and Abdulqader S. Al-Masri. 2003. Making Inference with confidence: STAT 205. Unpublished University Text Book.

## Workshops:

- Internal Project Funds at Yarmouk University: Policies and Procedures. **2018**. Faculty Development Center: Yarmouk University. March, 2018.
- Structural Equation Modeling: Theory, Application and How to Use AMOS. **2017**. Faculty Development Center: Yarmouk University. December, 2017.
- Talal M, Al-Momani and **Amjad D. Al-Nasser**. 2008. Environmental Problems Caused by Vehicle Emissions. Paper presented on the workshop about the accident problems in Jordan from the view of geographical point. March, 31, 2008. Department of Geography. Yarmouk University. Jordan.
- Ministry of Planning, Department of Statistics. Statistics is an Essential Pillar for Better Decision. Crown Plaza Hotel, Petra: March 2003
- Ministry of Planning, Department of statistics, the project of Supporting and Carry on Discussions between Statistical data Users and Producers. Yarmouk University: December 2003.
- Academic Staff Workshops. **2003**: Course Syllabus, Teaching Methods and Illustration Tools, Managing Classroom, Meeting the Academic Calendar and University Exams Dates, Student Evaluation – Course and Lecturer. Faculty Development Center: Yarmouk University.

- Academic Staff Workshops. **2004**: Preparing Online Courses (Web Based Course), Building Computerized Questions Bank. Faculty Development Center: Yarmouk University.
  - Academic staff workshops. **2005**. LATEX. Faculty Development Center: Yarmouk University.
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### **Seminars:**

- On Using SPSS for Data Analysis. February 24 ,**2016**. Al Falah University, Dubai. UAE.
  - Scopus: AFU Research Venue. February 24 ,**2016**. Al Falah University, Dubai. UAE.
  - Analyzing the CLO's. February 27,**2016**. Al Falah University, Dubai. UAE.
- 
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### **Training:**

- Academic Staff Training. **2018**: Internal Funds of The Scientific Science Project. From 15, March, 2018. Faculty Development Center: Yarmouk University
  - Academic Staff Training. **2018**: Structural Equation Modeling Using AMOS. From 15, April, 2018 to 1, May, 2018. Faculty Development Center: Yarmouk University
  - Academic Staff Training. **2002**: Students Evaluations and University Exams. From 15, September, 2002 to 15, December, 2002. Faculty Development Center: Yarmouk University
  - League of Arab States. **2008**. Arab Administrative Development Organization. Index Numbers and Their Usage in Planning. March, 9 – 13, 2008. Amman. Regency Palace Hotel.
  - Statistical Analyses Using SPSS. (**2004, 2005, 2006**). Faculty Development Center: Yarmouk University
- 
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### **Surveys**

- 1) Impact of video games on the behavior of children and adolescents, **2009**.
- 2) The efficiency of higher education in Jordan: a comparative study between Jordanian universities, **2009**.
- 3) The duties of Muslims in the holy Quran. **2009**.
- 4) Homelessness, its causes, remedies and their impact on society. **2009**.
- 5) Training needs of the managers in Jordan Phosphate Mines Company from their point of view. **2009**.
- 6) Reasons of the parallel education in Jordanian universities from parents point of view. **2009**.
- 7) MP who we want: an exploratory study of the characteristics and roles of MP from the point of view of citizens. **2009**.
- 8) The negative effects of mobile phones on users. **2009**.
- 9) Are women the consumers or they having an economic mind?. **2009**.
- 10) A comparative study of the main factors that returns the difference between banks (commercial, foreigners and Islamic) from the point of view of customers. **2009**.
- 11) Prices rising and their impact on the Jordanian citizen. **2008**.
- 12) How important is the competition between Jordan Telecom companies?. **2008**.
- 13) Rumor and their impact on society. **2008**.
- 14) Patient satisfaction with health services in Jordanian hospitals. **2008**.
- 15) Human Rights in Jordan. **2008**.
- 16) The impact of technology on the weakness of the Arabic language among university students. **2008**.
- 17) The difference between the premium and the actual services in the healthcare sector
- 18) Importance of women's political participation. **2008**.
- 19) Worker's Satisfaction in the industrial sector: a field study in Al Hassan Industrial Zone. **2008**.
- 20) Measuring resident's satisfaction level on the municipal services: Al-gharbyia region-UAE. **2010**.
- 21) Residence's transportations needs in Delma Island-UAE. **2009**.
- 22) Evaluate the services in "al-sooq Algadeem" festival. Delma Island-UAE. **2010**.

## Postgraduate Supervision

<b><u>Supervision of M.Sc. theses:</u></b>	
(1)	Wajdee Ismeer. <b>2006</b> . Parameter Estimation of LISREL model: Comparisons of Maximum Entropy and Higher order Entropies Estimators.
(2)	Waleeed Obidat. <b>2006</b> . Modifying Partial Least Squares Regression With Measurement Error.
(3)	Ahmed Radaideh. <b>2007</b> . On Simple Linear Regression Analysis Using L Ranked Set Sampling.
(4)	Mohammed Al-Talib. <b>2007</b> . Parameter Estimation of Moving Average Process: Comparison of Classical Methods and Generalized Maximum Entropy.
(5)	Luay Emhidat. <b>2008</b> . Generalized Maximum Entropy Approach to Hierarchal linear Models.
(6)	Abdulrahim Al-Atrash. <b>2008</b> . Robust Data Envelopment Analysis Models.
(7)	Anas Al-Akhras. <b>2008</b> . Theory and Statistical Development of a National Customer Satisfaction Barometer.
(8)	Hicham Beljilali. <b>2009</b> . Recursive Residuals for Structural Errors in Variables Model.
(9)	Ala'a Yousef Al-Samman. <b>2009</b> . Estimating the Polynomial Models with Berkson Measurement Error.
(10)	Najat Ighreer. <b>2009</b> . Information Theoretic Approach to Mortality Models.
(11)	Yomna Hussein. <b>2013</b> . An Empirical Investigations of the Customer Satisfaction Level of the Emirates Airline.
(12)	Mansoor Bawazir. <b>2013</b> . Empirical Investigation of Dubai Tourism and Commerce Marketing Department Meeting the Co-participants Satisfaction in the Local and International Exhibition.
(13)	Zainab Ali Haidar Al Balooshi. <b>2013</b> . Bank's Efficiency in the UAE.
(14)	Iman Rustam. <b>2013</b> . An Empirical Investigations of the Customer Satisfaction Level of the Emirates NBD Bank.
(15)	Khalid Ismail Juma. <b>2013</b> . EMPLOYEE MOTIVATION AND PERFORMANCE: AN EMPIRICAL INVESTIGATION IN SHARJAH GOVERNMENT.
(16)	Esam Harun. 2013 with Prof Ibrahim
(17)	Laila Ibrahim AlSuwaid. 2014. EMPLOYEE SATISFACTION INDEX: THE CASE OF DUBAI GOVERNMENT.
(18)	Fatima Abdulla.2015. Single Acceptance Sampling Plan Based on Ranked Data.
(19)	Razan Rababah. 2015. Generalized Maximum Entropy Estimation Procedure for Fitting Circular Measurement Error Models.
(20)	Ayat Slitie. 2016. Modified Nonparametric Regression with Errors in Variables.

(21)	Ayman Bani Yaseen. 2016. Regression Analysis: A Board Class of Robust Grouping Estimators.
(22)	Medhat Eidous. 2016. Fitting Measurement Error Models Using Sample Entropy with Different Preserving Constraints.
(23)	Roya Al-Dybee. 2018. Fitting Measurement Error Models Using Repetitive Estimation Method.
(24)	Sondos Al-Damin. 2018. Fitting Nonlinear Regression Using Generalized Maximum Entropy.
(25)	Eslam Batyneh. 2018. Time to Event Data Analysis in Biostatistics: Parametric and Semi Parametric Approaches.

**Appointed as External Examiner for Ph.D/Master Theses:**

- (1) Rabeah Rawashdeh. **2007**. Molecular and Conventional Study of Bacterial Composition of Dental Plaque on Crown Restorations. Department of Biology. Yarmouk University.
- (2) Almuthanna Alkaraki. **2007**. Antioxidant Enzymes and DNA Stability in Down Syndrome Individuals. Department of Biology. Yarmouk University
- (3) Ezdehar Ababneh. **2007**. On Balanced Graph Designs with Some Related Designs. Department of Mathematics. Yarmouk University
- (4) Helmi. **2008**. Molecular and Conventional Study of Bacterial Composition of Dental Plaque on Crown Restorations. Department of Biology. Yarmouk University.
- (5) Said Ali Al-Hadhrami. **2007**. Estimation of the Population Mean based on Ranked Set Sampling With Auxiliary Variable. Department of Statistics. National University of Malaysia/ **Malaysia**.
- (6) *Analisa Donno*. **2009**. Multivariate Group Analysis for Private and Public Job Satisfaction. Università del Salento, Dipartimento di Filosofia e Scienze Sociali. Lecce-**Italy**.

**Appointed as Internal Examiner for Master Theses:**

- (1) Jamal Indeer. **2004**. Modified Bivariate Ranked Set Sampling Using Deep Stratification. Department of Statistics. Yarmouk University.
- (2) Dana Marji. **2004**. Estimation of Bivariate Normal Mean Based on Ranked Set Sampling. Department of Statistics. Yarmouk University.
- (3) Mohammad Marie. **2007**. A comparative Study for Bandwidth Selection in Kernel Density Estimation. Department of Statistics. Yarmouk University
- (4) Amani Amran. **2007**. Bayesian Approach in Degradation Models Using Grouped Data. Department of Statistics. Yarmouk University
- (5) Ghram Kamil. **2008**. Estimating Time-To-Failure Distribution of Degradation Models



using Kernel Density Method. Department of Statistics. Yarmouk University

(6) Noor Al-Momani. **2009**. Variable kernel density estimation for simple linear degradation model. Department of Statistics. Yarmouk University

(7)

(8)

### **Editorship and Refereeing Activities**

1. Founding Editor:

(a) Electronic Journal of Applied Statistical Analysis (EJASA). Indexed by Emerging Thomson Router (WoS Core Collection (ESCI)) and Scopus. <http://siba-ese.unisalento.it/index.php/ejasa/> (e-ISSN: 2070-5948).

(b) Electronic Journal of Applied Statistical Analysis: Decision Support Systems and Services Evaluation: EJASA-DSS (e-ISSN: 2037-3627).

[http://siba-ese.unile.it/index.php/ejasa\\_dss](http://siba-ese.unile.it/index.php/ejasa_dss)

2. Reviewer for more than 30 Journals such as: *Statistica Neerlandica*, *Statistics in Transition - New series*, *Journal of Nonparametric Statistics*; *Journal of Applied Statistics*; *Journal of Classifications*; *Computational Statistics and Data Analysis*; *Journal of Modern Applied Statistical Methods*; *Hacettepe Journal of Mathematics and Statistics*; *InterStat*; *Pakistan Journal of Statistics*; *Pakistan Journal of Statistics and Operation Research*; *International Journal of Open Problems in Computer Science and Mathematics (IJOPCM)*; *Asian Journal of Mathematics and Statistics*; *Asian Journal of Scientific Research*; *Derasat*: Jordan University; *African Journal of Mathematics and Computer Science Research*; *Sultan Qaboos University: Journal of Science*; and many more.

## Courses Taught

Course Code	Course Name
<b>Stat101</b>	Introductory Statistics (1) Text:  a) Introduction to Probability and Statistics. Mendenhall, Beaver and Beaver  b) Introductory Statistics. Weiss
<b>Stat105</b>	Statistical laboratory (1)
<b>Stat106</b>	Statistical Laboratory(2)
<b>Stat107</b>	Statistics for Business and Economics Students
<b>Stat111</b>	Introduction to Probability (1) Text: a) Introduction to Probability, Larson  b) Probability and Statistical Inference, Hogg and Tanis  d) Mathematical Statistics with Applications. Mendenhall, Schaeffer and Wackerly
<b>Stat201</b>	Introductory Statistics (2) Text:  a) Introduction to Probability and Statistics. Mendenhall, Beaver and Beaver  b) Introductory Statistics. Weiss
<b>Stat205</b>	Statistical laboratory (3)
<b>Stat211</b>	Mathematical Statistics 1 Text: a) Introduction to Probability. Larson  b) Introduction to Mathematical Statistics. Mendenhall , Schaffer and Schaffer
<b>Stat271</b>	Sampling Techniques Text: a) Elementary Survey Sampling. Schaeffer, Mendenhall and Ott  b) Sampling. Thompson
<b>Stat276</b>	Time Series Text: a) Introduction to Time series.
<b>Stat281</b>	Statistical Packages: Text: a) A Hand Book of Statistical Analyses Using SPSS. Landau S & Everett S. Brian b) A Hand Book of Statistical Analyses Using S-Plus. Everett S. Brian
<b>Stat363</b>	Nonparametric  Text: Practical Nonparametric Statistics. W. J. Conover.
<b>Stat374</b>	Experimental Design and Analysis of Variance  Text: a) Design and Analysis of Experiments. Montgomery.  b) Introduction to the Design and Analysis of Experiments. Clarke and Kempson.  c) Fundamental Concepts in the Design of Experiments. Hicks

<b>Stat375</b>	Regression Analysis Text: a) Introduction to Linear Regression Analysis. Montgomery and Peck. b) Regression Analysis: Concepts and Applications. F. A. Graybill. and Iyer H.
<b>Stat377</b>	Quality Control Text: Introduction to Statistical Quality Control. Montgomery D.
<b>Stat464</b>	Multivariate Statistics Text: Applied Multivariate Statistical Analysis. Johnson A. W and Wichern W . D.
<b>Stat472</b>	Sampling Survey Text: Social Research Methods: qualitative and quantitative approaches. Neumann, W.
<b>Stat481</b>	Statistical Computing Text: A course in Simulation. Sheldon Ross.
<b>Stat483</b>	Practical Studies Text: Problem Solving. Chatfield
<b>Stat606</b>	Data Analysis and Experimental Design (For Non Statistician Master Students) Text: a) Applied Statistics: Bowerman and O’Connell b) Elementary Statistics: Allan G. Bluman
<b>Stat675</b>	Regression Analysis (For Master Students) Text: a) Applied Regression Analysis: N. R. Draper and H. Smith b) Applied Linear Statistical Models: Netter, Kutner, Nachtsheim and Wasserman c) Statistics: An Introduction using R. Michael J. Crawley.
<b>Stat681</b>	Statistical Computing (For Master Students) Text: a) Elements of Simulation. Morgan, B.. b) Simulation and the Monte Carlo Method. R. Y. Rubinstein c) Simulation Modeling and Analysis. Law. M and Kelton , W. d) Computational Statistics With Matlab. Martinez and Martinez
<b>Stat683</b>	Linear Models (For Master Students) Text: An Introduction to Linear Models. F. A. Graybill
<b>Stat692(2007 &amp; 2014)</b>	Special Topics “Measurement Error models” (For Master Students) Text: a) Statistical Regression with Measurement error. Cheng, C and Van Ness, J. b) Measurement Error Models. Fuller, A., W.
<b>Stat692(2009)</b>	Special Topics “Robust Statistics” (For Master Students) Text: a) Robust Statistics. Peter J. Huber. b) Understanding Robust and Exploratory Data Analysis. Hoaglin D., Mosteller, F., and Tukey W.
<b>BSTA 200</b>	Introduction to Statistics – <b>UD</b>
<b>BBUS 225</b>	Research Methods – <b>UD</b>
<b>BBUS200</b>	Quantitative Methods for Business – <b>UD</b>
<b>MBA625</b>	Advance Statistical Tools - <b>UD- Master Level</b>
<b>0509103</b>	Statistical Models - <b>AFU</b>
<b>0609102</b>	Applied Statistics - <b>AFU</b>
<b>MBA615</b>	Quantitative Analysis for Managers - <b>AFU - Master Level</b>

***UD: University of Dubai; AFU: Al Falah University***