

CURRICULUM VITAE



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PROFESSIONAL EMPHASIS

Statistical Inference
Combination of Tests
Ranked Set Sampling
Estimation
Testing Hypothesis
Goodness of Fit Test

EDUCATION

- (1) The National University (UKM) at Bangi - Selangor (Malaysia), Ph.D. in Statistics, Nov., 26, 2010.
Thesis Title: Some Statistical Inference for Logistic Distribution under Simple Random Sampling and Ranked Set Sampling.
- (2) Yarmouk University- Irbid (Jordan), M.Sc. in Statistics, Feb., 7, 2000.
Thesis Title: Logistic parameters estimation using simple random sampling and ranked set

sampling data.

- (3) Yarmouk Yarmouk University (Jordan), B.Sc. in Statistics, Jun., 15, 1997.

PROFESSIONAL EMPLOYMENT

- (1) Mutah University- Karak- Jordan: Oct. 1, **2023- Oct 1, 2024.** (Position: Assistant Dean of faculty of science).
- (2) Mutah University- Karak- Jordan: **Sept. 17, 2023- Oct 1, 2023.** (Position: Head of Math. & Stat. Department).
- (3) Mutah University- Karak- Jordan: **June 18, 2023- July 9, 2023.** (Position: Head of Math. & Stat. Department).
- (4) Mutah University- Karak- Jordan: **Jan., 29, 2023- Feb., 12, 2023.** (Position: Head of Math. & Stat. Department).
- (5) Mutah University- Karak- Jordan: **Sept., 1, 2020- Sept., 1, 2021.** (Position: Head of Math. & Stat. Department).
- (6) Mutah University- Karak- Jordan: **Sept., 30, 2019-** Now. (Position: Associate Professor).
- (7) Mutah University- Karak- Jordan: **Sept., 15, 2013.** (Position: Assistant Professor).
- (8) Jerash University- Jerash-Jordan: **Oct.,2, 2011 – Sept., 30, 2013.**
- (9) The National University- UKM (Malaysia): **Jul., 20, 2009- Jan., 2010.** (Position: Assistant to Supervisor for preparing papers, conferences, invited speakers and helping in supervision for master project).
- (10) King Faisal University- Dammam (Saudi Arabia): **Nov., 25 , 2000 - Jul., 15, 2009.** (Position: Full time Lecturer in Mathematics & Statistics)
- (11) Yarmouk University (Jordan): **1998 - 1999.** (Position: Teaching Assistant for one year throwing the studying).
- (12) Ministry of Education-Irbid (Jordan): **1997 – 1998.** (Position: Teacher in Mathematics).

COMMITTEES IN UNIVERSITIES

- (1) Chairman of the Committee of Higher Education in Dept of Maths &Stats. of Mutah University - Faculty of Science in 2020/2021.
- (2) Chairman of the Elections Committee of Students Union of Mutah University - Faculty of Science in 2018.
- (3) Member of the Elections Committee of Students Union of Mutah University - Faculty of Science for years 2014 and 2016.
- (4) Member of science college committee as repersenter for math & stat. department 2016/2017.
- (5) Member of several committees in the Mutah University.
- (6) Member of several committees in the Jerash University: Scientific committee.
- (7) Member of several committees in the King Faisal University- Dammam (Saudi Arabia): Curriculum Committee, Graduate Education Committee, Regestriation Committee, ISO committee.

- (8) Member of committee in the School of Mathematical Sciences at UKM - Malaysia: Scientific Research; preparing workshops, Invited speakers to give some lectures in statistics.
- (9) Member of the Arab Science and Technology Foundation.
- (10) Member of the Pakistan Journal of Statistics.
- (11) Member of the Statistica & Applicazioni Journal.

COMPUTER SKILLS

- (1) Use of the following Statistical and Mathematical Softwares:
MATHCAD, MATHEMATICA, SAS, FORTRAN, MINITAB, STATISTICA, EXCEL and SPSS packages in teaching and research.
- (2) Use of Windows, Microsoft Office and Internet.
- (3) ICDL S 5.0 certification.

PERSONAL DATA

Date of Birth: May 1, 1975
Nationality: Jordanian
Marital status: Married
Number of children: 5
Languages: Arabic and English

REFERENCES

1. Dr. Mohammad Alodat, Department of Statistics, Yarmouk University, Irbid, Jordan. Email: alodatmts@yahoo.com. Phone: 0779624945.
2. Prof. Dr. Kamarulzaman Ibrahim, School of Mathematical Sciences, The National University, Bangi, Selengor, Malaysia. Email: kamarulz@ukm.my
Phone: 0060193342205.
3. Dr. Mohammed Gharaibeh <mhmd_gharaibeh@yahoo.com>, Al albayt university- Jordan. Phone: 0790498834.
4. Dr faisal Ababneh <fmababneh@gmail.com>, Sultan Qaboos university, Department of Mathematics and Statistics (DOMAS), Muscat, Oman.
5. Dr. Hatem Megdady <hatsolayman@hotmail.com>, The Hashemite University- Jordan.
6. Dr. Abdallah Alnajjar <aalnajjar@kfu.edu.sa>, King faisal University, Al Ahsa, Sudi Arabia.
7. Dr. Moustafa O. A. Abu-Shawiesh <mabushawiesh@yahoo.com>, The Hashemite University- Jordan. 0799158166.
8. Dr. Omar Eidous <Omar_eidous@hotmail.com>, Yarmouk University, Irbid, Jordan. 0777166302.
9. Prof. Mohammed Abu-Saleh, Department of Statistics, Yarmouk University, Irbid, Jordan. Email: subhi_saleh@yahoo.com, 0795585667.

10. Prof. Dr. Mohammed Hassan Baker Al-Haj Ebrahim, Department of Statistics, Yarmouk University, Irbid, Jordan. Email: Malhaj@yu.edu.jo, Phone: +962-2-7271100 ext. 2339-mobile:

PUBLICATIONS

(i) Published Articles

1. **M.T. Alodat, Mohammed K. Shakhathreh, S.A. Al-Subh and D.A. Omari.** INCREASING THE EFFICIENCY OF RANKED SET SAMPLING VIA VISUAL GROUPING WITH RESPECT TO A THRESHOLD. *Statistica & Applicazioni - Vol. XVII, n. 1, 2019, p. 35-62. (sept 1, 2020)*
2. **Sameer Ahmad Hasan Al-Subh.** TEST OF STUDENT'S T DISTRIBUTION USING KERNEL DENSITY ESTIMATION UNDER RSS. *SCI. INT.(LAHORE)*, 31(4), 549-554, 2019.
3. **Mohd T. Alodat, Mohammad Y. Al-Rawwash and Sameer A. Al-Subh.** ESTIMATION OF POWER FUNCTION DISTRIBUTION BASED ON SELECTIVE ORDER STATISTIC. *Metodološki zvezki*, VOL. 15, NO. 1, 2018, 1–21.
4. **Sameer Ahmad Hasan Al-Subh.** GOODNESS OF FIT TESTS OF LAPLACE DISTRIBUTION USING SELECTIVE ORDER STATISTICS. *International Journal of Applied Engineering Research*. ISSN 0973-4562 Volume 13, Number 7 (2018) pp. 5508-5514.
5. **Sameer Ahmad Hasan Al-Subh.** CHI-SQUARE TEST FOR LAPLACE DISTRIBUTION USING EXTREME AND MEDIAN RSS. *Advances and Applications in Statistics*. ISSN: 0972-3617 Volume 53, Number 5, 2018, Pages 611-623.
6. **Sameer Ahmad Hasan Al-Subh, A. F. Naji & K.Ibrahim.** CLOSENESS BETWEEN LOGISTIC AND LAPLACE DISTRIBUTION. *Natural and Applied Sciences Series*, Mutah university, vol. 32 (1), 2017.
7. **Sameer Ahmad Hasan Al-Subh.** DISCRIMINATION BETWEEN LOGISTIC AND GUMBEL DISTRIBUTION. *International Journal of Sciences: Basic and Applied Research (IJSBAR)*, Vol 36, No 3 (2017), 244-255.
8. **Sameer Ahmad Hasan Al-Subh.** ESTIMATION OF CAUCHY PARAMETERS UNDER RANKED SET SAMPLING. *International Journal of Sciences: Basic and Applied Research (IJSBAR)*, Vol 28, No 2 (2016), 284-295.
9. **Suleiman M. Tashtoush and Sameer A. Al-Subh.** INTERPRETATION OF GROUNDWATER QUALITY PARAMETERS FOR SPRINGS IN TAFILEH

AREA IN SOUTH OF JORDAN USING PRINCIPAL COMPONENTS ANALYSIS. *Environmental Sciences*, Vol. 3, 2015, no. 1, 31 – 44.

10. Omar M. yousef and **Sameer. A. Al-Subh**. ESTIMATION OF GUMBEL PARAMETERS UNDER RANKED SET SAMPLING. *Journal of Modern Applied Statistical Method*, vol 3(2), 2014.
11. **S. A. Al-Subh** and W. A. Abu-Dayyeh. ESTIMATION OF THE VARIANCE FOR LOGISTIC DISTRIBUTION UNDER RANKED SET SAMPLING AND SIMPLE RANDOM SAMPLING: A COMPARATIVE STUDY. *Statistica & Applicazioni* - Vol. X, n. 2, 2012, pp. 149-157.
12. **S.A. Al-Subh**, M.T. Alodat, Kamarulzaman Ibrahim, & Abdul Aziz Jemain. Modified EDF goodness of fit tests for logistic distribution under SRS and RSS. *Journal of Modern Applied Statistical Methods*, 11(2), 2012:385-395.
13. **S. A. Al-Subh**, K. IBRAHIM & A. A. JEMAIN 2011. GOODNESS OF FIT TEST FOR LOGISTIC DISTRIBUTION INVOLVING KULLBACK-LEIBLER INFORMATION. *Journal of Quality Measurement and Analysis*, JQMA 7(2) 2011, 109-121.
14. Ibrahim, K. Alodat, M.T. Jemain, A.A. & **Al-Subh, S.A.** 2011. EDF Goodness of fit test for logistic distribution under SRS and RSS. *Journal of Modern Applied Statistical Methods* 10(1): 558-567.
15. Ibrahim, K. Alodat, M.T. Jemain, A.A. & **Al-Subh, S.A.** 2010. Empirical characteristic function approach to goodness of fit tests for the logistic distribution under SRS and RSS. *Journal of Modern Applied Statistical Methods* 9(2): 558-567.
16. **Al-Subh, S.A.** Alodat, M.T. Ibrahim, K. & Jemain, A.A. 2009. EDF Goodness of Fit Tests of Logistic Distribution under Selective Order Statistics. *Pakistan Journal of Statistics* 25(3): 265-274.
17. Ibrahim, K. Alodat, M.T. Jemain, A.A. & **Al-Subh, S.A.** 2009. Modified EDF goodness of fit tests for logistic distribution under SRS and ERSS. *Applied Mathematical Sciences* 3(44): 2175-2194.
18. Abu-Dayyeh, W. **Al-Subh, S.** & Muttlak, H. 2004. Logistic parameters estimation using simple random sampling and ranked set sampling data. *Applied Mathematics and Computation* 150(2): 543-554 . (Netherlands)
19. Abu-Dayyeh, W. **Al-Subh, Sameer** & Muttlak, H. 2001. Testing Hypotheses about the location parameter of the Logistic distribution using simple random sampling and ranked set sampling. *Pakistan Journal of Statistic* 17(1): 37-50.(Pakistan)

(ii) Articles Sent for Publication

1. M. T. Alodat, S.A. Al-Subh and W. A. Abu-Dayyeh, A Note on Inference from Shifted Exponential Distribution with known coefficient of variation.

(iii) Articles Under Progress

1. **Al-Subh, S.A.** Comparison study of Lomax parameters estimation under SRS and RSS.

COURSES TAUGHT

- **Courses Taught at King Faial University- Saudi Arabia:**
 1. Math101: Calculus I
 2. Math102: Calculus II
 3. Stat 101 : Introductory Statistics
 4. Stat 102 : Probability and Statistics
- **Courses Taught at Jerash University- Jordan:**
 1. Stat 0303211 : Introductory Statistics
 2. Stat 0303334 : Probability and Statistics
 3. Stat 0303135 : Statistical Methods
 4. Stat 0303415 : Experiment Design
 5. Stat 0303331 : Mathematical Statistics
 6. Stat 0303431 : Applied Probability
 7. Stat 0303238 : Biostatistics
 8. Stat 0303278: Linear Programming.
- **Courses Taught at Mutah University- Jordan:**
 1. Math0301101 : Calculus I
 2. Stat 0301131 : Introductory in Statistics& Probability
 3. Stat 0301233 : Probability Theory
 4. Stat 0301234 : Mathematical Statistics (1)
 5. Stat 0301333 : Statistical Methods
 6. Stat 0301238 : Biostatistics
 7. Stat 0301172 : Operation Research(1)
 8. Stat 0301336 : Samples Theory
- **Courses Taught at Mutah University/ military wing - Jordan:**
 1. Stat 0301131 : Introductory in Statistics& Probability
 2. Stat 0301233 : Probability Theory
 3. Stat 0301234 : Mathematical Statistics (1)
 4. Stat 0301172 : Operation Research(1)
- **Courses that I can Teach:**
 1. Statistical Labs
 2. Introduction to Probability
 3. Statistical Inference
 4. Sampling Methods
 5. Statistical Packages
 6. Regression Analysis

CONFERENCES AND SEMINARS:

a) Participated:

1. Participated in the Committee for the Third Mathematics Olympiad, which was held at the Hashemite University on 28-11-2018.
2. Participated in scientific day: Closeness between logistic and Laplace distribution. Mutah university_Faculty of science_4_4_2017, Karak, Jordan.
3. Participated in Conference publishes results of POPULATION & HOUSING CENSUS 2015: the detailed results and the analysis papers. Marutt Hotel-Petra-Maan, 17/8/2016, Jordan.
4. Participated in an article entitled: Goodness of fit test for logistic distribution based on kullback-leibler information under RSS and SRS. ASC 2010, Australian Statistical Conference, 6-10 December 2010.
5. Participated in an article entitled: Selection between logistic and normal distributions. Cherating - Malaysia, 7-8 October 2010.
6. Participated in a workshop on Ranked Set Sampling, 2009, Universiti Kebangsaan, Bangi, Malaysia.
7. Participated in an article entitled: Chi-Square Test for Goodness of Fit for Logistic Distribution using Ranked Set Sampling and Simple Random Sampling. Tenth Islamic Countries Conference on Statistical Sciences. December 20-23, 2009, Cairo, Egypt.

b) Attended and Presented:

1. Presented an article entitled: Goodness of Fit Tests of Laplace Distribution under ERSS. International Conference on Mathematics and Related Sciences: 30 April - 04 May 2018 Antalya-Turky (ICMRS 2018).
2. Presented an article entitled: Goodness Of Fit Test For Logistic Distribution Involving Kullback-Leibler Information Based On Kernel Density Estimation Using RSS. INTERNATIONAL CONFERENCE ON SCIENCES: (ICS-2012), which will take place at Al al-Bayt University in Jordan during Nov 20th-22th 2012.
3. Presented an article entitled: Discriminating between the logistic and normal distributions under RSS and SRS. Alexandria International Conference for Statistics and Insurance, Alexandria University, Egypt, Sept 1-2, 2012.
4. Presented an article entitled: Chi-square test for goodness of fit for logistic distribution using ranked set sampling and simple random sampling, 2009, Universiti Kebangsaan, Bangi, Malaysia.
5. Presented an article entitled: EDF Goodness of Fit test for Logistic Distribution under SRS and RSS. Seminar Sehari Matematik Komputeran, Hotel Residence, UNITEN, Kajang, 29 Desember 2009.

6. Presented an article entitled: Goodness of fit test for logistic distribution involving kullback-leibler information based on entropy characterization. 2nd International Conference on Mathematical Sciences (ICM2), Putra World Trade Centre (PWTC), Kuala Lumpur, 30 November - 3 December 2010.
7. **S.A. Al-Subh**, K. Ibrahim , M.T. Alodat & A.A. Jemain . Some modified tests for Cramer-von Mises test for testing Logistic Distribution under simple random sampling and ranked set sampling. SEMINAR KEBANGSAAN PASCA SISWAZAH STATISTIK ISM PERTAMA (PSISM-1), Pusat Asasi Sains, Universiti Malaya, Kuala Lumpur, Malaysia, May 12, 2011.
8. **Al-Subh, S.A.** Alodat, M.T. Ibrahim, K. & Jemain. Discriminating between the logistic and normal distributions under RSS and SRS. Alexandria International Conference for Statistics and Insurance, Alexandria University, Egypt, Sept 1-2, 2012.
9. **Al-Subh, S.A.** Alodat, M.T. Ibrahim, K. & Jemain. Goodness of fit test for logistic distribution involving Kullback-Leibler Information based on kernel density estimation using ranked set sampling and simple random sampling. International Conference Science (Al al-Bayt University and Universiti kebangsaan Malaysia), (ICS-AABU-UKM), November, 20-22, 2012.

REVIEWER:

1. Title: Scientific Analysis of Scholastic Performance of Students using Markov Chain. Rajesh Menon Kozhimattathil, rajesh.m@sct.edu.om, UTAS-Salalah , Shijo Pushpan, s.pushpan@sct.edu.om, UTAS-Salalah, Abraham Daivanathan Egan, ad.egan@sct.edu.om, UTAS-Salalah. Sultan Qaboos University Journal for Science (SQUJS)
2. Manuscript Number: **110908**
Title: Estimation of the Shape Parameter of the Pareto Distribution using Extreme Ranked Set Sampling. Pakistan Journal of Statistics.
3. Manuscript Number:
Title: Estimating the normal population with known coefficient of variation using the optimal RSS. Statistica & Applicazioni.
4. Manuscript Number: **HJMS-14-168**
Title: A class of Hartly-Ross type Unbiased estimators for Population Mean using Ranked Set Sampling by Lakhkar Khan, Javid Shabbir.
5. Manuscript Number:
Title: The Level of Suitability of School Backpack Weight with Respect to the Medically-Recommended Weght Limit for the students of the Model –School-Yarmouk University. Natural and Applied Sciences Series, Mutah University, Jordan.
6. Manuscript Number **MS# 210407**

Title: A New Kumaraswamy Class of Generalized Distributions with Applications to Exponential Model. Pakistan Journal of Statistics. May 24,2021

COMMUNITY AND CONSULTATIONS:

1. Gave Consultations to many graduate students in many Universities and in different faculties.
2. Gave Consultations to several individuals who are working in different places.
3. Gave a workshop on several Goodness of fit tests using Mathematica to employees and student at UKM (Malaysia).
4. Gave a workshop on Statistical analysis using SPSS to employees and student at King Faisal University (Saudi Arabia).