CURRICULUM VITAE

PERSONAL DETAILS

Dr. Faisal Ababneh
fmababneh@gmail.com

Google Scholer :
https://scholar.google.com/citations?hl=en&user=0FzK6b8AAAAJ&img=efficiency+of+weibull+regression+model+over+cox+&btnA=1&view_op=list_works

Research Gate profile: https://www.researchgate.net/profile/Faisal_Ababneh?ev=hdr_xprf

EDUCATION

Tertiary:

PhD in Statistics, 2006
University of Sydney, Australia **(** *QS Ranking 19 worldwide* **)**
http://ses.library.usyd.edu.au/bitstream/2123/927/1/01front.pdf

Master in Mathematical Statistics, 2000
Yarmouk University, Jordan
(Rank: First)

Bachelor of Science. "Statistics" 1997
Yarmouk University, Jordan

University Rank :

- Assistant Professor June 2006 to March- 2013
- Associate Professor March 2013 till now

Portable Skills :

Computer Packages : SPSS ; S-Plus ; R (Statistical Package)

Languages : Arabic, English

Technical Skills : Analysing Data; Modelling Data**;** Simulating Data

Research Interests :

- Modelling and Inference in Biology
- Bioinformatics
- Regression Analysis
- Ranked Set Sampling

Employment History

- **Sultan Qaboos University, Oman** **2014 Sep – 2023 June**
- **Al-Hussein bin Talal university, Jordan** **2006 June – 2014**

Position Held: Assistant Prof till March 2013, Associate Professor since March 2013 till now
Discipline:

- Head of mathematics department.
- Teach students in both tutorial and laboratory sessions, through discussion, practical and group exercises
- Assess students through setting, marking, evaluating and discussing exam and project requirements/ results

- **King Abdulaziz University, Rabigh, Saudi Arabia 2011 Sep 01 – 2012 Sep 01**

Position Held: Assistant Prof.
Discipline:

- Teach students in both tutorial and laboratory sessions, through discussion, practical and group exercises
- Assess students through setting, marking, evaluating and discussing exam and project requirements/ results

- **Free University, Berlin, Germany** **2011 June 02 – July 31**

Position Held: German Research Foundation. "DFG". Research Assistant
Discipline: Statistics , Bioinformatics

- **Heidelberg university, Heidelberg, Germany** **2010 June 01 – Oct 01**

Position Held: German Research Foundation. "DFG". Research Assistant
Discipline: Statistics , Bioinformatics

- **Technology University Berlin, Germany** **2009 Fab 01 – Jun2**

Position Held: Post doctorate - Research Assistant "ERAMUS MUNDUS EXTERNAL COOPERATION WINDOW LOT 3"
Discipline: Statistics , Bioinformatics

- **University of Sydney, Australia** **2006 Oct 05 – Jun26**

Position Held: Research Assistant
Discipline: Statistics, Bioinformatics

- **University of Sydney, Australia** **2002-2006 Mar 02 – Oct 05**

Position Held: Tutor, Statistics (Casual)

- **University of Western Sydney, Australia** **Mar 2003 – Nov 2005**

Position Held: Tutor, Statistics and mathematics (Casual)

- Research and write syllabus, covering relevant topics for subjects taught
- Prepare lessons and produce materials; class notes, overheads and diagrams
- Undertake lecturing, thus providing theory and practical training through discussions, demonstrations and supervision
- Prepare, mark and assess student examinations
- Counsel and advise students in relation to academic progress, career opportunities and personal issues, referring to professional counsellors when required

➢ **Twenty-one Century Company, Jordan.** **Mar 2000 – Aug 2000**

Position Held: Financial analyst.

➢ **Yarmouk University, Jordan.** **Sep 97 – Fab 2000**

Position Held: Tutor, Statistics (Casual)

- Prepare tutorial and laboratory classes (30 students) including production of class notes and materials
- Teach students in both tutorial and laboratory sessions, through discussion, practical and group exercises
- Assess students through setting, marking, evaluating and discussing exam and project requirements/results
- Counsel and advise students on career and personal issues, referring to professional counsellors as required

Courses Taught:

1. Pre Calculus
2. Calculus for Economics
3. Bio-statistics.
4. Introduction to Statistics & Probability.
5. Introduction to Statistics & Probability for engineering
6. Introduction to Statistics & Probability for economics
7. Mathematical Statistics.
8. Statistical Methods.
9. Applied Statistics
10. Probability Theory
11. Data Analysis and Experimental Design.
12. Regression Analysis.
13. Time Series Analysis
14. Introduction to Probability I and II.
15. Introduction to Statistics I and II.
16. Introduction to Inference

Conferences:-

- LASR workshops, University of Leeds, England 6-9 July 2004.
  Poster presented "Models and estimation for phylogenetic trees"
- Summer Symposium in Bioinformatics "Mathematical, Statistical and Computational Challenges in Bioinformatics" December 1 – 5, 2003, Canberra, Australia
- Learning Symposium held on 2&3 October 2003, Newcastle, Australia
- The Annual New Zealand Phylogenetics Meeting, February 9-14th 2003
  Paper presented "Simulating Phylogenetic Trees with Two Edges"

Publications:-

1. *Generalized Two Parameter Estimator in Inverse Gaussian Regression Model" in progress for possible publication in Annals of Data Science. Full author list: Bavneet Kaur Sidhu; Manoj Kumar Tiwari; Vikas Bist; Manoj Kumar; Faisal Ababneh.*
2. SIZE-BIASED POISSON-PRANAV DISTRIBUTION AND ITS APPLICATIONS. Shukla, Kamlesh Kumar and Shanker, Rama and Tiwari, Manoj Kumar and Ababneh, Faisal. International Journal of Agricultural & Statistical Sciences},19, 2 ,2023
3. A new general biased estimator in linear measurement error model}, Goyal, Pragya and Tiwari, Manoj K and Bist, Vikas and Ababneh, Faisal. Communications in Statistics-Theory and Methods,, 1-17,2024.
4. Cluster modelling of longitudinal disease data: asthma and potential clinical phenotypes. R Wesonga, C Bakheit, F Ababneh. International Journal of Modelling and Simulation, 1-13.(2021)
5. Prevalence and risk factors for low birth weight in Jordan and its association with under-five mortality: a population-based analysis. MM Islam, F Ababneh, T Akter, HR Khan. Eastern Mediterranean Health Journal 26 (10), 1273-1284.(2020).
6. Performance of joint quality monitoring schemes under Gaussian distribution. AM Razmy, MA Faisal, AH Ahmed, M Zakir Hossain, AIAO Sadoon Blue Eyes Intelligence Engineering & Sciences Publication. 2020.

7. Simulation of time series wind speed at an international airport. R Wesonga, F Nabugoomu, F Ababneh, A Owino. Simulation 95 (2), 171-184. 2019.
8. Identifying factors influencing contraceptive use in Bangladesh: evidence from BDHS 2014 data MB Hossain, MHR Khan, F Ababneh, JEH Shaw. BMC public health 18 (1), 1-14. 2018.
9. MM Islam, FM Ababneh, MDHR Khan. CONSANGUINEOUS MARRIAGE IN JORDAN: AN UPDATE. Journal of Biosocial Science, 1-6. 2017.
10. F Ababneh, M Alquran, K Al-Khaled, J Chattopadhyay. A New and Elegant Approach for Solving\varvec {n\times n}-Order Linear Fractional Differential Equations. Mediterranean Journal of Mathematics 14 (2), 98. 2017.
11. LS Jermiin, V Jayaswal, FM Ababneh, J Robinson. Identifying optimal models of evolution Bioinformatics: Volume I: Data, Sequence Analysis, and Evolution, 379-420. 2017.
12. MHR Khan, T Ahmed, F Ababneh. FACTORS CAUSING DEATHS DUE TO INJURY AMONG CHILDREN IN BANGLADESH INJURY PREVENTION 22, A262-A262. 2016.
13. S Biswas, M Saifuddin, SK Sasmal, S Samanta, N Pal, F Ababneh. A delayed prey–predator system with prey subject to the strong Allee effect and disease. Nonlinear Dynamics 84 (3), 1569-1594. 2016.
14. M. Azharul Islam & Faisal Ababneh Md Hasinur Rahaman Khan. Substantial gender gap reduction in Bangladesh explained by the proximity measure of literacy and life expectancy. Journal of Applied Statistics. 2016.
15. Md. Hasinur Rahaman Khan, Faisal Ababneh. EFFICIENCY OF WEIBULL REGRESSION MODEL OVER COX REGRESSION MODEL: A SIMULATION STUDY. JP Journal of Biostatistics 12 (2), 168-178. 2015.
16. MHR Khan, T Ahmed, F Ababneh. Factors Causing Deaths Due to Injury among Children in Bangladesh. Journal of Mathematics and Statistics 11 (2), 39. 2015.

17. Ahmad M H Al-Khazaleh, S Al Wadi, Faisal Ababneh. Wavelet Transform Asymmetric Winsorized Mean in Detecting outlier Values. Far East Journal of Mathematica Sciences. Vol, 96, Number 3, 2015. Pages 339-351.

18. Mohammad Hani Almomani, Rosmanjawati Abdul Rahman, Adam Baharum, S. Alwadi, Faisal Ababneh. The effect of simulation parameters on the selection approach. International journal of open problems in computer sciences and mathematics. 06/2014; 7(2):19-48.

19. Bilal N. Al-Hasanat, Azhana Ahmad, Hajar Sulaiman, Faisal Ababneh. Order Classes of Symmetric Groups. International Journal of Applied Mathematics. Vol 26, No. 4, 2013, 501-510.

20. S. Alwadi, Faisal Ababneh, Hazem Alwadi and Mohd Tahir Ismail. Maximum Overlap Discrete Wavelet Methods in Modeling Banking Data. Far East Journal of Applied Mathematics. Vol, 84, Number 1, 2013. Pages 1-10.

21. Sadoon Abdullah Ibrahim AlObaidy, Faisal Ababneh, S.Alwadi, Feras M. AlFaqih. On Certain Conditions of Multivariate Power Series Distributions. Int. J. Open Problems Compt. Math., 2013. Vol. 6, No. 4

22. Faisal Ababneh, S. Alwadi and Mohd Tahir Ismai. Haar and Daubechies Wavelet Methods in Modeling Banking Sector. International Mathematical Forum, Vol. 8, 2013, no. 12, 551 - 566.

23. Faisal ababneh and Omar M. Eidous. A Weighted Exponential Detection Function Model for Line Transect Data. Journal of Modern Applied Statistical Methods. May 2012, Vol. 11, No. 1, 144-151.

24. Abdel Rahman M. Al-Tawaha and Faisal Ababneh. Effects of Site and Exogenous Application of Yeast Extract on the Growth and Chemical Composition of Soybean. International Conference on Agricultural, Environment and Biological Sciences (ICAEBS'2012) May 26-27, 2012 Phuket.

25. Vivek Jayaswl, Faisal Ababneh, Lars Sommer Jermiin, and John Robinson. Reducing Model Complexity of the General Markov Model of Evolution, Mol Biol Evol *(2011) 28 (11): 3045-3059.*

26. Nidal Odat ,Moh'd T. Moh'd Taleb Alodat, Riyadh Muhaidat, Faisal Ababneh, Abdel Rahman M. Al-Tawaha, Salem Aladaile. Abundance in Ecological Communities Predicting Species Relative. Jordan Journal of Biological Sciences. Volume 2, Number 2, June 2009. ISSN 1995-6673, Pages 83 – 88.

27. Jermiin LS, Jayaswal V, Ababneh F, Robinson J. 2008. Phylogenetic model evaluation. In: Keith J. (Ed). Bioinformatics: Vol. I: Data, Sequences Analysis and Evolution. Humana Press, Totowa, NJ. Pp. 331-363.

28. Abdel Rahman M. Al-Tawaha, Nidal Odat, Abdul Latief Ali Al-Ghzawi, Muhammad M. Al-Udatt and Faisal Ababneh. Genomic and Chemical Approaches To Weed Control In Pasture. American-Eurasian Journal of Agricultural & Environmental Sciences. 3(2): 187-193, 2008.

29. Ababneh, F., Jermiin, L. S. and Robinson, J.(2005). Generation of the exact distribution and simulation of matched nucleotide sequences on a phylogenetic tree. J. Math. Model. Algor.

30. Ababneh, F., Jermiin L.S., Robinson J, et al (2005). Matched-pairs tests of homogeneity with applications to homologous nucleotide sequences. Bioinformatics

31. Jermiin, L.S. S., Ho, S. W. H., Ababneh, F., Robinson, J. and Larkum, A. W. D. (2004). The biasing effect of compositional heterogeneity on phylogenetic estimates may be underestimated. Syst. Biol. 53, 638-643.

32. Jermiin L.S., Ho S.Y.W., Ababneh F., Robinson J., Larkum A.W.D. (2003). Hetero: A program to simulate the evolution of DNA on a four-taxon tree. Applied Bioinformatics 2, 159-163.

33. Samawi, H. and Ababneh, F.(2001). On Regression analysis using ranked set sample. Journal of statistical research. 35, 93-105.