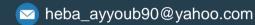
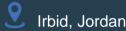


Contact







PERSONAL INFORMATIONS

Date of Birth: 15 January 1990

Nationality: Jordanian

Marital Status: Married

LANGUAGES

English: Very Good

Arabic: Mother Tongue

Heba Nasr Awwad Ayyoub

EDUCATION

- Ph.D. Doctor of Philosophy in Applied Statistics
 Universiti Sains Malaysia (USM) Malaysia (July/2018 June/2021)
- M.Sc. Master Degree in Statistics
 Yarmouk University Jordan (September/2012 January/2015)
 Rate: Very Good
- B.Sc. Bachelor Degree in Statistics

Yarmouk University - Jordan (September/2007 – August/2011)
Rate: Very Good (Placed on honour list: Second semester 2007/2008

First semester 2008/2009 Second semester 2008/2009)

WORK EXPERIENCE

- Lecturer
 Najran University Saudi Arabia (August/2015 August/2019)
- Part-time Lecturer
 Jerash University Jordan (July/2021 September/2021)
- Assistant professor
 Irbid National University Jordan (Oct/2022 Sep/2023)
- Assistant professor
 Philadelphia University Jordan (Sep/2023 Present)

COMMITTEES

- 2015/2016 Member of Planning and Follow-up Committee Deanship of Preparatory Year Najran University.
- 2015/2016 Member of Security and Safety Committee Deanship of Preparatory Year Najran University.
- 2015/2019 Member of Academic Advising Committee Deanship of Preparatory Year - Najran University.
- 2016/2018 Deputy Committee for Facilities and Equipment, Girls' Campus Deanship of Preparatory Year Najran University.
- 2018/2019 Deputy Committee of Faculty Members, Girls' Campus Deanship of Preparatory Year Najran University.
- 2018/2019 Member of Student Activities Committee Deanship of Preparatory Year Najran University.

OUTPUT OF SCIENTIFIC PRODUCTION

- Ph.D. Thesis Entitled: Extensions of Multivariate Coefficient of Variation Control Charts.
- M.Sc. Thesis Entitled: On the Average Run Length of Control Charts for Autocorrelated and Periodically Autocorrelated Data.

PUBLICATIONS

- 1. **Ayyoub, H. N.,** Khoo, M. B. C., Saha, S., & Castagliola, P. (2020). Multivariate coefficient of variation charts with measurement errors. Computers & Industrial Engineering, 147, 106633.
- 2. **Ayyoub, H. N.,** Khoo, M. B. C., Lee, M. H., & Haq, A. (2021). Monitoring multivariate coefficient of variation with upward Shewhart and EWMA charts in the presence of measurement errors using the linear covariate error model. Quality and Reliability Engineering International, 37(2), 694 716.
- 3. **Ayyoub, H. N.,** Khoo, M. B. C., Saha, S., & Lee, M. H. (2022). Variable sampling interval EWMA chart for multivariate coefficient of variation. Communications in Statistics Theory and Methods, 51(14), 4617 4637.
- 4. Awajan, A. M., Al-Hasanat, B., Elkaroui, E., AL e'damat, A., Al-Gounmeein, R. S., Al-Jawarneh, A. S., **Ayyoub, H. N.,** & AlFarajat, E. (2024). Time series forecasting of new cases for covid-19 pandemic in jordan using enhanced hybrid emd-arima. *Journal of Statistics Applications & Probability*, *13*(1).
- Al-Jawarneh, A. S., Alsayed, A. R., Ayyoub, H. N., Ismail, M. T., Sek, S. K., Aric, K. H., & Manzi, G. (2024). Enhancing Model Selection by Obtaining Optimal Tuning Parameters in Elastic-Net Quantile Regression, Application to Crude Oil Prices. *Journal of Risk and Financial Management*, 17(8), 323.

TRAINING COURSES & SCIENTIFIC PARTICIPATIONS

- Intellectual Security Skills Development Unit at the Deanship of Development and Quality Najran University.
- Activating the Black Board E-Learning System Deanship of E-Learning Najran University.
- The Joint System for Measuring Learning Outcomes Skills Development Unit at the Deanship of Development and Quality Najran University.
- Preparing University Exams According to the Concept of Comprehensive Quality Skills
 Development Unit at the Deanship of Development and Quality Najran University.
- Creating Interactive Content and Publishing it on the Internet Skills Development Unit at the Deanship of Development and Quality Najran University.
- International Publication of Scientific Research ISI Skills Development Unit at the Deanship of Development and Quality - Najran University.
- Activating the System of Virtual Classes Deanship of E-Learning Nairan University.
- Quality of E-courses Deanship of Preparatory Year Najran University.
- Electronic Exams Deanship of Preparatory Year Najran University.
- Applied Microsoft Excel in Education Deanship of Preparatory Year Najran University.
- The Quality of Human Relationship and the Raising of the Productivity of the Educational Institution Deanship of Preparatory Year Najran University.
- Electronic Questionnaire Design Deanship of Preparatory Year Najran University.
- Mobile Assisted Language Learning Deanship of Preparatory Year Najran University.

- Leadership in Academic Settings Deanship of Preparatory Year Najran University.
- Improving Students in E-learning System (Blackboard) Deanship of Preparatory Year - Najran University.
- Step-by-step Guide on How to Prepare a Successful Paper AD Webinars Springer Nature.
- Academic Publishing & Enhancing Research Effectiveness AD Webinars Springer Nature.

SKILLS

- Excellent verbal communication skills and interpersonal style.
- Proven ability to work under pressure in a fast paced, time sensitive environment.
- Strong problem solving capability.
- Working knowledge of Microsoft Word, Excel and Power Point.
- Software programming: SAS, Minitab, Matlab, SPSS and R.
- Self-motivated individual capable of taking ownership and working independently.
- Tolerance for stress in a fast paced working environment.
- Excellent planning and organizing skills.

TAUGHT COURSES – Undergraduate Level Course

- Pre-calculus.
- Differential Calculus.
- Calculus (1).
- Introduction to Probability and Statistics.
- Statistics & Probability (1).
- Statistics & Probability (2).
- Statistical Methods.
- Probability Theory.
- Mathematical Statistics.
- Biostatistics.
- Linear Algebra (1).

ACADEMIC REFERENCES

Michael Khoo Boon Chong, Professor

School of Mathematical Sciences, Universiti Sains Malaysia, Pulau Pinang, Malaysia.E-mail: mkbc@usm.my

Abdullah Ahmed Smadi, Professor

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

E-mail: asmadi@yu.edu.jo

Abdullah Al-Jawarneh, Assistant Professor

Faculty of Science, Mathematics Department Amman Arab University, Amman, Jordan.

E-mail: a.aljawarneh@aau.edu.jo