



Heba Nasr Awwad Ayyoub

Contact

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📍 Irbid, Jordan

PERSONAL INFORMATIONS

Date of Birth: 15 January 1990

Nationality: Jordanian

Marital Status: Married

LANGUAGES

English: Very Good

Arabic: Mother Tongue

BIOGRAPHY

Heba Ayyoub received her B.Sc. and M.Sc. degrees in Statistics from Yarmouk University Jordan. She received her Ph.D. degree in Applied Statistics from Universiti Sains Malaysia. Heba Ayyoub worked as a lecturer in Najran University Saudi Arabia, where she was teaching Mathematics for undergraduate level. Her research interest is in statistical process control.

EDUCATION

- **Ph.D. Doctor of Philosophy in Applied Statistics**
Universiti Sains Malaysia - Malaysia (July/2018 – June/2021)
- **M.Sc. Master Degree in Statistics**
Yarmouk University - Jordan (September/2012 – January/2015)
GPA - Rate: 83.4 - Very Good
- **B.Sc. Bachelor Degree in Statistics**
Yarmouk University - Jordan (September/2007 – August/2011)
GPA - Rate: 77.8 - Very Good (Placed on honour list: Second semester 2007/2008
First semester 2008/2009
Second semester 2008/2009)

WORK EXPERIENCE

- **Teacher Assistant**
Yarmouk University - Jordan (October/2012 – May/2014)
- **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 – 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.

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 - Najran 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.

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

Ra'ed M. Al-Khatib, Assistant Professor

Faculty of Information Technology and Computer Sciences,
Yarmouk University, Irbid, Jordan.
E-mail: raed.m.alkhatib@yu.edu.jo

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.