

# Mohsen Ayyash

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Birth date: 31.08.1988 • Gender: Male • Marital status: Married.

## SUMMARY OF QUALIFICATIONS

- Over 5 years of experience as a teacher.
- Over 4 years of experience as an undergraduate lecturer.
- Strong background in Mathematics, Statistics, and Econometrics.
- Proven skills in writing research reports and manuscript and conducting data analysis.
- Professional communication skills including: leadership, problem-solving, hardworking, team work, attention to detail.
- Language skills: Arabic (mother tongue); English (Advanced).
- Recent graduate of Ph.D. in Statistics (Econometric field).
- Computer skills include: - MS Office, internet and email  
- E-views, Minitab, SPSS, Stata, R, SAS.

## PROFESSIONAL EXPERIENCE

### Mathematics Teacher

Nov 2010 – Present

Ministry of Education, Salfit directorate, Salfit, Palestine.

- On leave: from Nov 2014 to Aug 2019.
- Customized teaching approaches based on understanding and abilities of different student groups.
- Employed effective teaching practices to achieve instructional goals for diverse math courses.
- Brought fresh approaches to mathematics instruction by incorporating new instructional techniques and real-life applications.
- Evaluated and graded students' mathematical classroom and homework against standardized answers and solving methods.
- Tutored students of all ability levels to improve their grasp of subject materials and improve performance.

### Graduate Assistant

Oct 2018 – Sept 2019

School of Mathematical Sciences, Universiti Sains Malaysia (USM), Penang, Malaysia.

- Taught undergraduate-level courses (Elementary Statistics, Statistical Inference, and Applied Statistical Methods).
- Prepared materials and assignments for various statistics courses to assist faculty with academic instruction.
- Evaluated and graded examinations, assignments, and papers and recorded grades.
- Led discussions to help students understand and explore the course material.
- Worked with the lead instructors to effectively manage courses, help students, and correct assignment errors.

**Lecturer** Aug 2015 – May 2018  
Al-Ghad International College for Applied Medical Sciences, Riyadh, Saudi Arabia.

- Tutored undergraduate course of biostatistics.
- Prepared professional course syllabus to inform students about plans and requirements.
- Maintained regular office hours to meet with students face-to-face and discuss various questions.
- Handled many issues via email to give students reliable support for academic needs.
- Designed and developed course materials from learning objectives and selected ideal textbooks.
- Assisted students with planning their academic courses based on their vocational desires and individual strengths.
- Quality assurance coordinator in the Preparatory Year Department.

**Lecturer** Nov 2014 – Aug 2015  
Prince Sattam Bin AbdulAziz University, AlKharj, Saudi Arabia, Main Employer: Tahseen Aladaa Company for training, Riyadh, Saudi Arabia.

- Tutored undergraduate courses: biostatistics and Calculus.
- Brought fresh approaches to statistics and mathematics instructions by incorporating new instructional techniques and real-life applications.
- Supported students' needs with classroom instruction and personalized assistance during office hours and via email.
- Maintained regular office hours to meet with students face-to-face and discuss various questions.
- Evaluated and graded students' statistical classroom and homework against standardized answers and solving methods.

## **EDUCATION**

**Ph.D. in Statistics (Econometric field)** Sept 2018 – June 2021  
School of Mathematical Sciences, Universiti Sains Malaysia (USM), Penang, Malaysia.  
Thesis title: "The Impact of Gender and Gender Composition on Occupational Wage Inequality in Palestine: A Multilevel Modelling Approach".

**Masters in Applied Statistics** Sept 2011 – Feb 2014  
Birzeit University, Birzeit, Ramallah, Palestine.  
Thesis title: "Bayesian Inference on Returns to Schooling in Palestine".

**Bachelor of Science in Mathematics Applied to Economics** Sept 2006 – June 2010  
Birzeit University, Birzeit, Ramallah, Palestine.  
Seminar Project title: "Forecasting the Exchange Rate of the Israeli shekels versus the US Dollar Using ARIMA Model".

### LIST OF PUBLICATIONS

- M. Ayyash**, T. Sadeq, and S. K. Sek, 2020, Returns to Schooling in Palestine: A Bayesian Approach, International Journal of Education Economics and Development. Vol. 11, No. 1, pp. 37 -57
- M. Ayyash**, S. K. and Sek, 2019, Multilevel Analysis of Wage Inequality in Palestine, Statistika, Vol 99, No. 3. pp. 317 – 335
- M. Ayyash**, S. K. Sek, and T. Sadeq, 2020, Income and Consumption Inequalities in Palestine: A Regression-Based Approach, Statistika, Vol. 100, No. 1, pp. 70 - 86.
- M. Ayyash**, and Sek S. K., 2020, Decomposing Inequality in Household Consumption Expenditure in Malaysia, economies, 8(4)
- M. Ayyash**, S. K. Sek. Gender Composition Effects on the Gender Pay Gap in Palestine: a Bayesian multilevel modeling approach. Under review.

### CONFERENCES

- M. Ayyash**, and Sek S. K. *Determinants of Consumption Expenditure Inequality in Malaysia*. International Conference and Workshop on Basic and Applied Sciences 2019 (ICOWBAS 2019). KSL resort, Johor, Malaysia. 16 -17 /2019.
- M. Ayyash**, and Sek S. K. *What Explains the Gender Pay Gap in the West Bank?* Presented in MathTech conference, Dec 2020.

### WORKSHOPS

- How to write a research project proposal, Saudi digital library, KSA, 17/5/2017.
- Getting the Most from OECD Library, Saudi digital library, KSA, 23/5/2017.
- Panel Data Analysis. School of Mathematical Sciences, Universiti Sains Malaysia, Penang, Malaysia, 16 -18 December 2018.

### REFERENCES

- Available Upon Request