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EDUCATION:

Ain Shams University, Faculty of Women, Cairo, Egypt March 2020

PhD in Educational Psychology (Psychological Measurement) with a thesis entitle "*A Multistage Computer Adaptive Test Design and Its Effect On The Visual Reasoning Measurement Accuracy By Using Item Response Theory "Simulation & Practical"*",

Ain Shams University, Faculty of Women, Cairo, Egypt August 2015

Master's in Educational Psychology (Psychological Measurement) with a thesis entitle "*Measuring Reasoning with Computerized Method by Using Item Response Theory: A Psychometric Study*".

General Grade: Excellent.

Ain Shams University, Faculty of Education, Cairo, Egypt September 2010

Special Diploma in Education (Educational Psychology)

General Grade: Very Good

Ain Shams University, Faculty of Education, Cairo, Egypt May 2009

Professional Applied Diploma in Education (Psychological Measurement)

General Grade: Good

Ain Shams University, Faculty of Education ,Cairo, Egypt May 2008

Bachelor of Science & Education in Mathematics (English Section)

General Grade : Very Good with Honour

EXPERIENCE:

Ain Shams University, Faculty of Women ,Centre of Item Banks and Objective October 2016

Measurement ,Cairo, Egypt

Workshop entituled "Analysis & Calibration of Item Banks By Using Item Response Theory and applying it on designing Computer Adaptive Test".

Trainer

Ain Shams University, Faculty of Women ,Cairo, Egypt March 2016

Workshop entitled “Analysis & Calibration of Item Banks using Rasch Model (Winsteps)”.

Trainer

Ain Shams University, Faculty of Women ,Cairo, Egypt

(17-24)October 2013

Workshop entitled “Analysis & Calibration of Item Banks using Rasch Model (Winsteps)”.

Trainer

**National Centre for Examinations and Educational Evaluation (NCEEE), Cairo, Egypt
Statistical Data Analysis Unit – Psychometrician**

Feb.2009-Date

- Participated in Statistical data analysis for General and Azhar teacher cadre using IRT and CTT.
- Participated in Statistical data analysis for National Standardized Test (NST) 2010.
- Participated in Statistical data analysis for research entitled 'Analysis of Results of Schools in Preparatory Stage in all Governorates'.(2012)
- Participated in Statistical data analysis for research entitled Measuring Prekindergarten attitude to entrance primary school'.(2012)
- Participated in Statistical data analysis and calibrating item banks for STEM and Ain Shams schools. (2011-2013)
- Participated in workshop of TIMSS. (2014)
- Participated in Statistical data analysis and calibrating item banks for the National Scale_for Measuring Intelligence (2015).
- Participated in Statistical data analysis for admission test of STEM schools. (2011-2017)
- Participated in Statistical data analysis for critical thinking for primary stage.(2017)

TRAINING:

Udemy online course Mastering Data Science and Machine Learning Fundamentals	20 Aug 2019
Udemy online course Artificial Intelligence in arabic	17 Aug 2019
Faculty and Leadership Development Center, Cairo ,Egypt Quality Standards in Teaching	(3 to 4) Aug 2019
Faculty and Leadership Development Center, Cairo ,Egypt The Credit Hour Systems	(3 to 4) Aug 2019
Faculty and Leadership Development Center, Cairo ,Egypt Training course in E-Learning	(24 to 25) July 2019
Faculty and Leadership Development Center, Cairo ,Egypt Training course in Effective Teaching Skills	(27 to 28) July 2019
Faculty and Leadership Development Center, Cairo ,Egypt Training course in Use of Technology in Teaching	(29 to 30) July 2019
Faculty and Leadership Development Center, Cairo ,Egypt Training course in Exams and Students Evaluation Systems	(29 to 30) July 2019
Ain Shams University, Faculty of Women, Cairo, Egypt Workshop entitled “Scientific Publishing and International competition”.	(18 to 19) July 2018
Ain Shams University, Faculty of Women, Cairo, Egypt Workshop entitled “Scientific Publishing and International competition”.	(18 to 19) July 2018
Intercontinental City stars Cairo, Advanced Group for Information Technology Workshop entitled “Item Response Theory: Theory & Practice Using IRTPro”.	(21 to 24) March 2015
The American University in Cairo, School of Continuing Education Conversation English in (ENG021) “Maturing Learners 1” Stage with a letter grade “A” and a score of 95%.	(July-August) 2012
Ministry Of Defence Language Institute, Cairo, Egypt General English language Course Level 9 (B)	Aug. 2012
Ministry Of Defence Language Institute, Cairo, Egypt Conversation English Course Level 1 (A)	July 2012
National Centre of Examination and Educational Evaluation (NCEEE) Workshop: International Student Achievement Data: How to use, analyze, report, and provide advice to policy makers.	Jan.2012

Ain Shams University, Faculty of Women, Cairo, Egypt Workshop entitled “Analysis & Calibration of Item Banks using Rasch Model (Winsteps)”.	(23 to28)April 2011
Ain Shams University, Centre of Public Service and Social Development The Test of English Language Proficiency (TELP) with Score (550)	July 2011.
National Centre for Examinations and Educational Evaluation (NCEEE) Workshop: Operational Data Analysis and Reporting of Results for National Standardized Test (NST)	July 2010
National Centre for Examinations and Educational Evaluation (NCEEE) Workshop: Capacity Building In Psychometrics Modules 4 and 5 - Setting and Maintaining Performance Standards - Data Analysis and Reporting of Results	Mar.2010
National Centre for Examinations and Educational Evaluation (NCEEE) Workshop: Capacity Building In Psychometrics Module 3 - Test Development and Item Banking	Dec. 2009
National Centre for Examinations and Educational Evaluation (NCEEE) Workshop: Capacity Building In Psychometrics Modules 1 and 2 - Introduction to Psychometric Theory: Basic Concepts - Psychometric Methods and Research Designs	(19-27)October 2009
Ministry of Communications and Information Technology, Egypt International Computer Driving licence Syllabus Version (4.0)	September 2008
Ministry Of Defence Language Institute, Cairo, Egypt General English language Course Level 7 (B)	2006
Ain Shams University, Centre for Developing English Language Teaching (CDELT) English for Mathematics Teachers (Very Good)	(Aug.-Sept.) 2005
Ain Shams University, Centre for Developing English Language Teaching (CDELT) General English Language (Good)	(July-Aug.) 2005

SKILLS:

Language	Arabic : Mother Language English: Very Good
Computer knowledge	Windows 10, MS Office 2019, SPSS, Winsteps, Text Pad, Fast test, IDB Analyzer.

Statistical Skills

- Analysis of large-scale datasets and examinations using Rasch Model and Item Response Theory (IRT) and different programs, e.g., Winsteps, IRTPRO,R.
- Data Management: Using Data Management SPSS Macro Programs for Test Map extraction and Data Extraction to create the research data files.
- Technical reports and disseminating the results
- Exploring and Operational Test Statistical Analyses: Descriptive and Inferential Statistics
- Producing Score Reports: Individual and Group Reports
- Strategies for writing Modelling International Assessment Data
- Developing item and test specifications (blueprints)
- Producing item statistics for Item Banks
- Evaluation of items on the bases of content and statistical properties
- Operational test forms designs
- Using Item Banks for item selection and test construction procedures
- Setting Performance Levels (SPL)
- Setting Cut Scores (SCS) and Scaling and Equating

Personal Skills

A bright, talented and self-motivated Psychometrician is highly efficient and has a good eye for detail. Able to play a key role in analysing problems and come up with creative solutions as well as producing methodologies and files for effective data management. A quick learner who can absorb new ideas and can communicate clearly and effectively.

Publications:

- Comparison Between Paper and Pencil Test and Computer Adaptive Test on Estimating Verbal Reasoning Ability (2015). **doi: 10.21608/jsre.2015.13733**.
 - Developing a Visual Reasoning Scale By Using Item Response Theory (2020). **ISSN2356-8356, http://jsre.journal.ekb.eg.**
- 1- Amina Mohammed Kazem, Professor of Educational Psychology Women's College-Ain Shams University, Tel (002) 011-113-33579
 - 2- Walid A. Massoud, Researcher, Research Department National Centre for Examinations and Educational Evaluation (NCEEE), Egypt, w_massoud@yahoo.com , Tel (002) 0111-8-111-838 /

PERSONAL INFORMATION:

Date of Birth: 21/4/1987

Marital Status: Single

Military Service: Done

Gender: Male

Nationality: Egyptian