



# FACULTY FULL NAME: Amal Hassan Mohamed Yaseen

POSITION: Assistant Professor

## Personal Data

Nationality | Sudanese

Date of Birth | 9/2/1980

Department | Mathematics

Official UoD Email | ahyaseen@iau.edu.sa

Office Phone No. | 38258

## Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√
Others			

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2017	PHD	Sudan University of Science and Technology	Sudan
2008	M.A	Sudan University of Science and Technology	Sudan
2002	BA	Sudan University of Science and Technology	Sudan

## PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	A Proposal to Measure and Analyze the Level of Performance Accuracy of Quality Indicators of Health Services Using the Sigma Six Model in Government Hospitals- Khartoum State.
Master	Use logistic regression analysis to determine the causes of breast cancer in females



Fellowship

### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant Professor	Imam Abdul Rahman bin Faisal University	16/9/2018
lecturer	Imam Abdul Rahman bin Faisal University	8/10/2011
Associate lecturer	Sudan University of Science and Technology	2009-2011

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
-	-	-

### Scientific Achievements

#### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
	Amal Yaseen Nagla Osman Wiem Khalifa	Applications of Deep Learning to Predict Epidemics in the Kingdom of Saudi Arabia Based on Time Series Data: A Comparative Study	Migration Letters (Scopus) 12.11.2023
	Amal Yaseen Nagla Osman Wiem Khalifa	CLASSICAL SOLUTIONS FOR A BVP FOR A CLASS IMPULSIVE FRACTIONAL PARTIAL DIFFERENTIAL EQUATIONS	World Scientific (Scopus) 15-11-2022
	Amal Yaseen Nagla Osman Wiem Khalifa Altaher Adam	An Application for Measuring and Analyzing the Level of Performance Accuracy for Health Services Quality Indicators by Using Six-Sigma: (A Study Case of Governmental Hospitals in Khartoum State)	Journal of Healthcare Engineering (Scopus) 30/10/2021
	Amal Yaseen Rehab Alseed	دراسة مدى تأثير الحملات التوعوية الإعلامية على رفع وعي المرأة السعودية في ترشيدها	المجلة العربية للتربية النوعية ejev أبريل 2021م



		الإنفاق وتطوير أساليب الادخار دراسة تجريبية Studying the impact of media awareness campaigns on raising Saudi women's awareness of rationalizing spending and developing saving methods - a pilot study	
	Dr.Amal Hassan Mohammed Yassin	The Comprehensive Quality in Health Services by Using Six Sigma	International Journal for Innovation Education and Research 30/9/2019
	Amal Hassan Muhammad Yassin / Khaled Rahmatullah Khadr Qenawi / Mudawi Hassan Mudawi	Total quality and its importance in health services	Journal of Natural and Medical Sciences, Sudan University of Science and Technology 10/1/2017
	Amal Hassan Mohamed Yaseen	Use logistic regression analysis to find out the causes of breast cancer	Noor publishing 6/2/2017

### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
-	-	-	-	-

### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
-	--	-	-

### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
	1.Amal Hassan Mohammed Yaseen 2.Ngla Alzain	Positive thinking and its impact on raising children.	2018



Osman		
1. Amal Hassan Mohammed Yaseen 2. Kawther Abd Alrhman Hassan	Saudi Women Empowerment Case Study (Saudi Women Leadership)	2018

### Current Researches

#	Research Title	Name of Investigator(s)
	<b>Application of the data envelope analysis model to measure relative efficiency (A case study of the departments of the Faculty of Arts, Imam Abdul Rahman bin Faisal University)</b>	1. Amal Hassan Mohammed Yaseen 2. Weam Bin Khalifa 3. Nglā Alzain Osman 4. Altaher Adam

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	Conference of Islam and Peace	Sheraton Dammam 2012	Presence
	Intellectual property seminar	ZOOM 7/4/2021	Presence
	Open Access Symposium - Science Experiments by Pioneer	ZOOM 25/10/2020	Presence
	Seminar on the road to open data in the Kingdom of Saudi Arabia	ZOOM 31/10/2021	Presence
	Saudi Digital Library Symposium - Achievements and Aspirations	ZOOM 21/9/2021	Presence
	Learning resource centers symposium within the framework of programs and initiatives to achieve Vision 2030 at the Ministry of Education	ZOOM 14/9/2021	Presence
	Intellectual security	ZOOM 27-28/12/2022	Presence



seminar		
The Third International Scientific Conference on Islamic Sciences	11-13/11/2023	Presence

#### Membership of Scientific and Professional Societies and Organizations

- Member of the Statistical Analysis and Measurement Unit.
- Member of the Scientific Research Committee.
- Member of the Lecture Proposals Committee.
- Member of the Arab Statisticians Union.
- Member of the Charity Association in the Eastern Region.
- Member of the Quality Committee in the Department.
- Head of the Students Axis in Self-Study.
- Head of the Grievances Committee in the Department.
- Head of the Scholarships Committee in the Faculty Members Committee.
- Member of the Follow-up Team for Activating the Strategic Plan of the College of Arts for the Years 2021-2025.
- Member of the Student Committee.
- Member of the Researcher Excellence Committee in Saudi Universities.
- Member of Academic Guidance in the Department.
- Head of the Student Committee.
- Member of the Second and Third Standards in Self-Study.

#### Teaching Activities

##### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	Principles of Statistics	MATH192N	Teaching
	The use of computers in social research	SOCS305N	Teaching
	Introduction to Statistics	STAT114	Teaching
	Using Computers in Social Work	SW208	Teaching
	Social statistics	SW206	Teaching
	Applied Statistics	STAT211	Teaching
	Mathematics Research Seminar	MATH506	Supervisor
	Probability1	STAT209	Teaching
	Nonparametric Statistics	STAT505	Teaching



## Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

**Principles of Statistics-** To introduce students to basic concepts in statistics. Enables students to view statistical data in various forms of presentation. The definition of the student by the standards of central tendency. Define the student with tools to measure the dispersion of data and the extent of correlation of variables and simple regression. To introduce students to the basics of statistical tests and their use in social sciences.

**The use of computers in social research** - Definition of student stages and steps to write a proposal for scientific research. Enable the student to design the questionnaire. The definition of the student in the types of samples and the method of determining the sample size. Definition of the student program statistical packages for social sciences. Definition of the student in statistical analysis methods and their use in sociology. Teaching the student to write the final report and display the search results

### **Introduction to Statistics:**

This course covers several topics to enable students to learn about statistics and its functions, types of data, methods and sources of collection, and methods of presenting data of different types in tabular and graphical formats. It also covers presenting data description measures and methods of calculating them, which are measures of central tendency and dispersion. It is concerned with studying the relationship between two variables using simple linear correlation analysis, as well as studying the effect of one variable on the other through simple linear regression analysis, and providing students with the skill of presenting this data in a way that can be used to describe the phenomena under study, and training them on how to apply statistical methods in various areas of life, enabling them to conduct statistical analyses, and how to interpret the results.

### **Social Statistics:**

The course deals with the basic concepts in statistics, the methodological steps of statistical analysis in social research: types of samples and determining sample size, frequency distributions and their graphical representation, measures of central tendency and dispersion, measuring correlation using Pearson's correlation coefficient and Spearman's rho (ranks), parametric and nonparametric statistical tests, and population statistics.

### **Applied Statistics:**

1. Develop skills in applying basic statistical concepts commonly used in sciences.
2. Equip the student with the necessary knowledge and skills to enable him to use basic analytical techniques to generate results
3. Enable the student to interpret the results of commonly used statistical analyses in written summaries.

### **Probability1:**

In this course, students will learn the Overview of Combinatorial Analysis, Axioms of Probability, Conditional Probability and Independence, Discrete Random Variables, Continuous Random Variables, Mathematical expectation, central and noncentral moments, moment generating functions, Special discrete and continuous distribution, Transformations, the law of large numbers and the central limit theorem



## Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	-	--	-
2	--	--	-

## Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	-
2	-

## Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To
	Principles of Statistics - Math 192 N	√		√		2011	2014
	The use of computers in social research - SOCS 305 N	√		√		2015	2016
	Social statistics SW 206	√		√		2020	2021
	Applied Statistics STAT 211	√		√		2020	2023
	Mathematics Research Seminar MATH 506	√		√		2022	2024
	Probability1	√		√		2023	2024

## Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
	MATHEMATICS DEPARTMENT (STATISTICS)	Using Logistic Regression to Predict the Risk Factors Of Female Breast Cancer	College of Science	2023

## Student Academic Supervision and Mentoring



#	Level	Number of Students	From	To
	3-8	24	2011	2021
	4-12	34	2022	2023

### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
	-	-	-	-

### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
	Bachelor of Statistics, Faculty of Science	Using Logistic Regression to Predict The Risk Factors Of Female Breast Cancer	College of Science	2023
		Effects of Technology on Student Learning		2024
		“Major Factors Influencing College Student’s Academic Performance”: (case study College of Science Students IAU)		

### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

#### Administrative Responsibilities

#	From	To	Position	Organization
	2023	2024	Head of the Student Committee.	College of Arts - Imam Abdulrahman bin Faisal University
	2019	2024	Head of the Grievances Committee in the Department.	
	2021	2024	Head of the Scholarships Committee in the Faculty Members Committee.	
	2019	2024	Head of the Students Axis in Self-Study	





### Committee Membership

#	From	To	Position	Organization
	2021	2025	Member of the follow-up team for activating the strategic plan of the Faculty of Arts for the years 2021-2025 AD	College of Arts
	2021	2022	Member of the project to enable orphans and their families to own developmental housing in the Dammam and Khobar regions, and to achieve a quality of life for the Saudi family	The university in partnership with the Bena'a Charity Association.
	2021	2022	Member of the researcher excellence committee in Saudi universities	Imam Abdulrahman Bin Faisal University
	2021	2023	Member of the Student Committee	Department of Information Science
	2019	2019	Member of the lecture proposals committee	Department of Information Science
	2019	2021	Member of the Quality Committee	Department of Information Science
	2014	2019	Member of the Scientific Research Committee	Department of Information Science
	2014	2016	Student Conference	Department of Information Science
	2011	2023	Academic advisory member	Department of Information Science
	2011	2023	Member of the Statistical Analysis and Measurement Unit	College of Arts
	2011	2013	Member of the Infrastructure Committee	Department of Information Science

### Scientific Consultations

#	From	To	Institute	Full-time or Part-time
	2011	2024	Graduates, postgraduate students, and college professors	Part-time



## Volunteer Work

#	From	To	Type of Volunteer	Organization
	2024	2024	Advisory Mail	Department of Information Science
	2024	2024	Information Science Department Corner to Activate National and International Events	Department of Information Science
	2024	2024	Gratitude: Visit to the Nursing Home	Department of Information Science
	2024	2024	Nafa Volunteer Initiative 2	Department of Information Science
	2023	2023	Statistical analysis of the questionnaire	Department of Information Science
	2022	2022	Digital Awareness Initiative - Training Workshop on Data Analysis Basics	Royal Commission in Jubail
	2022	2022	Planting roses on King Abdullah Walkway	Department of Information Science
	2021	2021	A training workshop entitled Unloading and Analyzing Questionnaires	Geography students
	2019	2020	Teaching orphans	Al-Birr Charitable Society

## Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Analysis of statistical data using SPSS
2	Computer proficiency

## Last Update

31 /7/2024