



Republic of Iraq
Ministry of higher education & scientific research
University of Basrah
College of administration & Economics
Division of Quality Assurance and University Performance

Scientific plan model for scientific departments
College of Administration and Economics
For the academic year 2024-2023

Statistics Department

Department plan

Firstly:

Vision /

The Department of Statistics aspires to be one of the academic departments that is scientifically distinguished in teaching students specialized statistical subjects and providing scientific and statistical consultations needed by government departments and others to serve the community. It seeks to develop its scientific curricula and the competence of its teachers to reach the ranks of statistics departments in Arab and later international universities. Applying and ensuring quality specifications, as well as striving to strengthen cultural and scientific relations between the ranks of his professors and the outside world in various scientific and research aspects.

Mission /

The Department of Statistics at the College of Administration and Economics / University of Basra seeks to provide the best academic levels to its students through giving lectures by the department's teachers and developing the students' capabilities in the field of computers and data analysis, as well as providing the best services and consultations in the statistical fields to all parties that exchange benefits and interests with the university. Serving the community by giving scientific lectures in development courses, as well as holding computer courses to train employees and raise their efficiency in using it and improving its performance.

Strategic goals /

- 1- The quality policy that is hoped to be implemented in the department is to spread this culture among the ranks of teachers and students alike in order to raise the academic level and the achievements of this department.
- 2- Emphasis on completing scientific curricula and developing them in a way that is compatible with scientific and technological development and in line with the needs of the labor market.
- 3- Spreading moral values and good behavior among students and emphasizing the necessity of adhering to university regulations and instructions.

Second: The teaching staff for the academic year 2024-2023

N.	Full name	Certificate	Date obtained	Donor country	Date of Hiring	Scientific title	Date of obtaining	Precise specialization
1	Raysan Abdul Imam	PhD	2016	Iraq	2003/9/1	Assist. Prof.	15/10/2019	Applied statistics
2	Ali Nasser Hussein	PhD	2016	Iraq	2003/6/2	Assist. Prof.	23/3/2021	Applied statistics
3	Widad Idwar Wadi	PhD	1996	Iraq	1985/9/25	Assist. Prof.	28/3/2019	Econometrics
4	Sahira Hussein Zein	Master	2008	Iraq	1994/10/30	Prof.	12/1/2023	Applied statistics
5	Bahaa Abdel Razzaq	PhD	2021	Iraq	2004/12/1	Assist. Prof.	18/1/2021	Counting
6	Wafa Abdel Samad Ashour	Master	1993	Iraq	1988	Assist. Prof.	23/3/2021	Applied statistics
7	Zainab Sobeih Jumaa	Master	1996	Iraq	1992	Lect.	7/5/2018	Calculators
8	Fatima Hashem Falahi	Master	2008	Iraq	1998/8/1	Lect.	22/5/2018	Counting
9	Nadia Ali Ayed	Master	2005	Iraq	2006/1/9	Assist. Prof.	4/10/2020	Counting
10	Duraïd Hussein	PhD	2017	Iraq	2011/12/1	Assist. Prof.	19/1/2020	Applied statistics
11	Asmaa Ayoub Yacoub	PhD	2021	Iraq	2012	Lect.	6/3/2017	Counting
12	Muhammad Musa Hassan	Master	2011	India	2012	Lect.	3/12/2015	Mathematics
13	Mona Taher Gafil	Master	2006	Iraq	1993	Lect.	22/5/2018	Counting
14	Ali Abdul Zahra	Master	2014	Iraq	2004/7/11	Lect.	5/7/2021	Counting
15	Ahmed Hisham Mohamed	Master	2015	Iraq	2004/11/30	Lect.	2020	Counting
16	Rehab Ahmed Abdel	Master	2022	Iraq	27/8/2008	Assist. Prof.	20/4/2022	Counting
17	Muntadar Jumaah	Master	2021	Iraq	2016	Assist. Prof.	2/11/2021	Applied statistics
18	Shaima Qasim	Master	2023	Iran	22/12/2002	Assist. Prof.	29/3/2023	Mathematical statistics

Number of the teaching staff according to certificate and academic titles

Certificate				total		Scientific title								Total	
Master		PhD				Assist. Lect.		Lect.		Assist. Prof.		Prof.			
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
4	9	4	2	8	11	1	2	3	4	4	3	0	2	8	11

Third: Staff

N.	Full Name	Certificate	Job title	Date of hiring	His work
1	Inaam Abdel Amir Kazem	Bachelor	Head research	1993/12/1	Student Affairs Officer
2	Wafa Ali Adel	Bachelor	Head research	1992	Follow up on absences from the four stages + postgraduate studies
3	Zainab Mohsen Nasser	Bachelor	Assist. Statistical	2013/9/16	Quality + department secretariat
4	Inspirational riser halter	Bachelor	Assist. Head. research	1994	Five years leave
5	Marwa Muslim Abdel Reda	Bachelor	Agreement	2019	Department secretariat + lectures by teaching staff + scientific plan

Fourth: Students affairs

A- Preliminary study

Stage	branch	Morning study	Evening study	total
First				
Second		64	1	65
Third		30	----	30
Fourth		70	4	74
total				

B - Postgraduate studies

Writing stage

N.	Full name	Obtained certificate	Certificate wish to get	Date of starting	Date of ending	Name of supervisors
1	Zainab Muslim Nasser	Bachelor	Master	1/11/2023	15/9/2023	Prof. Sahira Hussein Zein
2	Mukhtar Hussein Mukhtar	Bachelor	Master	1/11/2023	15/9/2023	Assist.Prof. Dr. Raysan Abdel Imam Zaalán

3	Iftikhar Baqir Khudair	Bachelor	Master	1/11/2023	15/9/2023	Assist. Prof. Dr. Bahaa Abdel Razzaq Qasim
4	Raghad Khalil Shawai	Bachelor	Master	1/11/2023	15/9/2023	Assist. Prof. Dr. Ali Nasser Hussein
5	Ahmed Abdel-Jabbar Ahmed	Bachelor	Master	1/11/2023	15/9/2023	Assist. Prof. Dr. Walid Mayh Rodin
6	Fatima Othman	Bachelor	Master	1/11/2022	1/6/2023	Assist. Prof. Sahira Hussein Zein
7						
8						

Second: Courses

No.	Full Name	Obtained certificate	Certificate wish to get	Date of work in the department
1	Asma Saadoun Hussein	Bachelor's degree in statistics	Master	4/9/2023
2	Hassan Jadim Abdullah	Bachelor's degree in statistics	Master	4/9/2023
3	Ashwaq Odeh Jabbar	Bachelor's degree in statistics	Master	4/9/2023
4	Prosperity on me	Bachelor's degree in statistics	Master	4/9/2023
5	Fatima Ahmed Khalaf	Bachelor's degree in statistics	Master	4/9/2023
6	Zainab Ali Abdul Wahid	Bachelor's degree in statistics	Master	4/9/2023
7	Duha Haider Ali	Bachelor's degree in statistics	Master	4/9/2023
8	Rahma Abdul Zahra	Bachelor's degree in statistics	Master	4/9/2023
9	Zahraa Nasser	Bachelor's degree in statistics	Master	4/9/2023
10	Istabraq Jawad Kazem	Bachelor's degree in statistics	Master	4/9/2023
11	Dumua Muhammad Radhi	Bachelor's degree in statistics	Master	4/9/2023
12	Doaa Thajil Kazem	Bachelor's degree in statistics	Master	4/9/2023

13	Hassan Sami Hassan	Bachelor's degree in statistics	Master	4/9/2023
14	Reda Adel Nasser	Bachelor's degree in statistics	Master	4/9/2023

Withdrawals and cancellation

N.	Full name	Certificate wish to get	Position

Fifth: Subjects

A- Preliminary Study First Stage

First course					Second course				
No.	Subjects	Lecturer name and scientific title	Hours number	Units number	Objects	Lecturer name and scientific title	Hours number	Units number	
1									
2									
3									
4									
5									
6									
7									
Total					Total				

Second Stage

First course					Second course			
No.	Subjects	Lecturer name and scientific title	Hours number	Units number	Objects	Lecturer name and scientific title	Hours number	Units number
1	Possibilities	Lect. Muna Taher	3	2				
2	Matrices	Assist. Lect.	3	3				

		Montazer Jumaa						
3	Economic 1	Assist. Prof. Dr. Widad Adwar Wadi	2	2				
4	Sequences	Assist. Prof. Wafa Abdel Samad Ashour	3	3				
5	Control1	Lect. Ali Abdel Zahra Hassan	2	2				
6	Preview methods	Assist. Lect. Rehab Ahmed Abd	3	3				
7	Programming 1	Lect. Zainab Sobeih	3	2				
Total			19	17	Total			

Third Stage

First course					Second course			
No.	Subjects	Lecturer name and scientific title	Hours number	Units number	Objects	Lecturer name and scientific title	Hours number	Units number
1	Vital 1	Assist. Prof. Nadia Ali Ayed	2	2				
2	Number 1	L. Muhammad Musa Mohsen	3	2.5				
3	Spss1	Assist. Prof. Dr. Ali Nasser Hussein	3	3				
4	Statistics 1	Assist. Prof. Dr. Raysan Abdel -Imam Zaalan Assist. Prof.	3	3				

		Sahra Hussein Zain						
5	Declaration 1	Assist. Prof. Sahra Hussein Zain	3	3				
6	Demography 1	Assist. L. Rihab Ahmad abd	2	2				
7	Written programming	L. Ahmed Hisham Mohammad	3	2.5				
Total			19	18	Total			

Fourth Stage

No.	First course				Second course			
	Subjects	Lecturer name and scientific title	Hours number	Units number	Objects	Lecturer name and scientific title	Hours number	Units number
1	Multi 1	Lect. Dr. Asmaa Ayoub Yacoub	3	3				
2	Applications 1	Assist. Prof. Dr. Ali Nasser Hussein	3	2				
3	Chains 1	Assist. Prof. Dr. Raysan Abdel Imam Zaalán	2	1.5				
4	Inference 1	Assist. Prof. Dr. Bahaa Abdel Razzaq Qasim	3	3				
5	Standard 1	Assist. Prof. Sahira Hussein Zein	3	3				
6	Design 1	Lect. Fatima Hashem	3	3				
total			16	15.5	total			

B- Postgraduate Studies

PhD

ت	Subject	Lecturer name & Scientific Title	First course		Subject	Lecturer name & Scientific Title	Second course		
			Hour's N.	Unit N.			Hour's N.	Unit N.	
1									
2									
3									
4									
5									
Total					Total				

First course		Lecturer name & Scientific Title	Subject
Unit N.	Hour's N.		
		Total	

Master

N.	Subject	Lecturer name & Scientific Title	First course		Subject	Lecturer name & Scientific Title	Second course	
			Hour's N.	Unit N.			Hour's N.	Unit N.
1		Assist. Prof. Dr. Ali Nasir	2					
2		Assist. Prof. Dr. Bahaa Abdul Razaq	2					
3		Assist. Prof. Dr. Widad Idwar	2					
4		Assist. Prof. Dr. Ryssan Abdul imam	2					
5		Prof. Sahira Hussein	2					
6		Lect. Dr. Ayad Muhammad	2					
Total			12		Total			

Higher Diploma

n.	Subject	Lecturer name & Scientific Title	First course	Subject	Lecturer name & Scientific Title	Second course
			Unit N.			Unit N.
1						
2						
3						
4						
5						
Total				Total		

Lecturer research planned for completion

N.	Lecturer name	Research title
1	Assist. Prof. Dr. Ryssan Abdul Imam	<p>1-Estimating the risk function for the new complex distribution (Akash-Exponential) with application.</p> <p>2- Comparing the risk function of the exponential and AKash distributions for jaw cancer patients</p> <p>3-Using the ARFIMA-RBFN hybrid model in forecasting with the application</p> <p>4-Comparing different distribution to estimate the risk function for patients with cancer tumors</p>
2	Assist. Prof. Dr. Widad Idoar	<p>1- Analyzing and measuring the relationship between the relative intensity of capital and GDP in Iraq for the years 1990-2020 Shared with Dr. Mazen Sultan</p> <p>2-Measuring the impact of oil imports on the growth of the Iraqi economy</p>
3	Assist. Prof. Dr. Ali Nassir	
4	Assist. Prof. Dr. Bahaa Abdul Razaq	<p>1-Predicting Shatt al-Arab water levels using autoregressive models and seasonal SARIMA moving averages. Shared with Lect. Ahmed Hisham Mohamed</p> <p>2-Forecasting trends and total amounts of rainfall in Iraq for the month of December. Jointly Prof. Dr. Kazem Abdel Wahab Al-Asadi and researcher Aqeel Hussein</p> <p>3- Trends in minimum temperature changes in Iraq for the months of July and January until 2035. Jointly Prof. Dr. Kazem Abdel Wahab Al-Asadi and researcher Aqeel Hussein</p> <p>4-studying and analysis the performance efficiency of the cranes at the container berths in the port of umm qasr by using queuing theory. Participate with Prof. Dr. Hadi Abdul wahab and researcher Marwan Saad</p> <p>5-Estimation of the hazard function of acomposite probability model. Participate with the researcher Hajir Abdul Hassan</p>
5	Assist. Prof. Wafaa Abdul Samad	<p>1- Estimating the parameters of the complex distribution (Weibull - Exponential) using the methods of maximum moments and weighting. single</p> <p>2-Neural networks and their statistical applications. Shared with Mona Taher Ghafel</p>

6	Prof. Sahira Hussein	<p>1. Using the adaptive method Goldenshluger-Lepskiin a nonparametric regression with a practical application</p> <p>2. Fuzzy regression modeling and its hybridization with multi-objective programming with application.</p> <p>3. Hybrid artificial neural network modeling with chaotic genetic algorithm with application.</p>
7	Assist. Prof. Nadia Ali	
8	Lect. Ali Abdul Zahra	
10	Lect. Asmaa Ayoub	<p>1-Using tobit regression model to determine the impact of some variables on the financial stability of banks</p> <p>2-A Novel version of the exponentiated Waybill distribution: Copulas, Mathematical properties and Statistical modeling.</p>
11	Lect. Muna Tahir	<p>1-USING Neural Networks to Classify COVID-19 in Iraq</p> <p>2-Neural networks and their statistical applications</p> <p>Shared with Assist. Prof. Wafa Abdel Samad Ashour</p>
12	Lect. Fatima Hashim	
13	Lect. Zainab Sabif	Convolutional neural network in the classification of chest tumor
14	Assist. Lect. Rihab Ahmid	
15	Assist. Lect. Shaimaa Qasim	<p>Using the maximum likelihood method to estimate the parameters of the SIR model and applying it to Corona patients: an Iraq case study.</p> <p>2-Analysis of the regression model for zero-inflation data</p> <p>Assist. Lect. Sanaa Muhammad Naeem/Medical Technology</p> <p>Assist. Lect. Shaima Qasim Mohsen/ Administration and Economics</p> <p>Assist. Lect. Zainab Sami Yassin/Technical Institute</p> <p>3-Using Neural Networks in Nonlinear Time Series Models to Forecast Temperatures in Basra Governorate</p> <p>Assist. Lect. Zainab Sami Yassin/Technical Institute</p> <p>Assist. Lect. Sanaa Muhammad Naeem/Medical Technology</p> <p>Assist. Lect. Shaima Qasim Mohsen/ Administration and Economics</p> <p>4-Selection the best probability distribution of infection with MERS-COV in Wasit Governorate"</p> <p>Assist. Lect. Sarah Adel Mazloun</p> <p>Assist. Lect. Shaima Qasim Mohsen</p> <p>Assist. Prof. Dr. Haider Raed Talib</p>

N	Author name	Book title	Date of Start	Importance

Seventh: authorship and translation planned to be completed

Eighth: Lectures and Seminars Planned to be completed

Lecturers

N.	Student name	Lecturer title	Supervisor name	Study
1	Iftikhar Baqir Khudair	Using some modified cubic transformation family distributions in modeling maintenance indicators for machines and equipment with application.	Assist. Prof. Dr. Bahaa Abdel Razzaq Qasim	
2	Raghad Khalil Shawai	Finding the optimal algorithm for estimations of Bayesian methods with application.	Assist. Prof. Dr. Ali Nasser Hussein	
3	Ahmed Abdel-Jabbar Ahmed	Predicting the number of people with cancer or kidney diseases using the interference analysis method.	Assist. Prof. Dr. Walid Mayh Rodin	
4	Mukhtar Hussein Mukhtar	Using the RBFN-ARIMA hybrid model	Assist. Prof. Dr. Raysan Abdel Imam Zaalán (first supervisor)	
5	Zainab Muslim Nasser	Prediction by artificial neural network modeling and its hybridization with chaotic genetic algorithm with application	Assist. Prof. Widad Adwar Wadi (Second Supervisor)	
6	Iftikhar Baqir Khudair		Prof. Sahira Hussein	
7	Raghad Khalil Shawai			

Seminar

N.	Lecturer name and scientific title	Seminar title	Date	Notes
1	Lect. Zainab Sabih	I VS Machine Learning VS Deep 1 Learning		
2				
3				
4				
5				
6				
7				
8				

Ninth: Scientific conference planned to be completed and participation inside & outside Iraq

N.	Lecturer name and scientific title	Conference name	place	date
1				

2				
3				
4				
5				
6				

Tenth: Scientific Seminar planned to be completed and participated inside & outside Iraq

N.	Seminar name	Lecturer name and scientific title	place	Date
1				
2				

Eleventh: Training course planned to be participated inside and outside Iraq

N.	Name of training course	Lecturer name and scientific title	place	Date
1	Using some artificial intelligence algorithms in statistics	Assist.Prof. Dr. Bahaa Abdel Razzaq Qasim Lect. Ahmed Hisham		
2	Analysis of longitudinal data using the Avuse program	Assist. Prof. Dr. Bahaa Abdel Razzaq		
3	Accounting and auditing	Assist. Lect. Shaimaa Qasim	Center for Continuing Education Development	14/9/2023

Twelve: Educational Guidance

Name and scientific title	Stage	Division
Assist. Prof. Dr. Widad Adwar Wadi	First	A
Assist. Lect. Shaima Qassem		B
Lect. Zainab Sobeih		
Assist. Prof. Wafa Abdel Samad Ashour	Second	A
Lect. Dr. Ali Abdel Zahra Hassan		B
Assist. Lect. Montazer Mahdi Gomaa		
Lect. Mona Taher Gafil		
Assist. Lect. Rehab Ahmed Abd	Third	One division
Lect. Ahmed Hisham Mohamed		
Assist. Prof. Dr. Raysan Abdel Imam Zalan		
Assist. Prof. Nadia Ali Ayed	Fourth	A
Assist. Prof. Dr. Bahaa Abdel Razzaq Qasim		B
Assist. Prof. Dr. Ali Nasser Hussein		
Lect. Dr. Asmaa Ayoub Yacoub		
Lect. Fatima Hashem		
Prof. Sahira Hussein Zein		

Thirteen: Patents

Lecturer name	Titles of patents filed	Date of application

Fourteenth: Expected community service

Lecturer name	Kind of service	Date	The beneficiary	Note
Lect. Dr. Asmaa Ayoub	A statistical study to determine the factors contributing to solving the problem of waste accumulation and management. An applied study in the Basra Municipality Directorate	8/10/2023	Basrah Municipality Directorate and its associated entities	

Fifteenth: Other scientific activities

- Academic accreditation plan
- An integrated plan for training Lecturers.
- An integrated plan for training employees -
- Development of computers and laboratories -
- Developing classrooms
- Working to provide rest rooms for female students -
- Determine the duties and responsibilities of each employee.
- Setting special conditions for the teaching membership test.
- Working to develop continuing education programs in the field of statistics.
- Providing better services to the community through the advisory office and the mechanism of cooperation with public and private sector institutions.
- Working to follow up on developing the competence of the faculty member in the department.
- Preparing a guide for new students -
- Working on students' participation in decision-making within the department.
- Work on preparing projects and applied research.
- Working to provide curricula -
- Continuous evaluation of students
- Curriculum development plan
- Incorporating field studies into practical lessons at all stages in cooperation with state departments.
- Development of information technology subject.
- Developing operations research material and introducing the QSB program.
- Developing statistical software material.
- Developing students' ability to use computer skills.

Sixteenth: Committees

Postgraduate Studies Committee

N.	Lecturer	Membership
1	Assist. Prof. Dr. Bahaa Abdel Razzaq	Head
2	Assist. Prof. Dr. Raysan Abdel Imam	Member
3	Assist. Prof. Dr. Ali Nasser Hussein	Member

- **Scientific Committee**

N.	Lecturer	Membership
1	Assist. Prof. Dr. Raysan Abdel Imam Zaalán	Head
2	Prof. Sahira Hussein Zein	Member
3	Assist. Prof. Dr. Widad Adwar Wadi	Member
4	Assist. Prof. Dr. Bahaa Abdel Razzaq Qasim	Member
5	Assist. Prof. Dr. Ali Nasser Hussein	Member
6		
7		
8		

- **Examination committee**
- **Preliminary Study**

N.	Lecturer	Membership
1	Assist. Prof. Dr. Bahaa Abdel Razzaq Qasim	Head
2	Assist. Prof. Wafa Abdel Samad Ashour	Member
3	Lect. Ali Abdel Zahra Hassan	Member
4	Lect. Ahmed Hisham Mohamed	Member
5	Assist. Lect. Rehab Ahmed Abd	Member
6	Assist. Lect. Shaima Qasim Mohsen	Member

Postgraduate

N	Lecturer	Membership
1	Assist. Prof. Dr. Bahaa Abdel Razzaq Qasim	Head
2	Assist. Prof. Dr. Raysan Abdel Imam Zaalán	Member
3	Assist. Prof. Dr. Ali Nasser Hussein	Member
4	Lect. Ali Abdel Zahra Hassan	Member

- **Academic Accreditation Committee**

N.	Lecturer	Membership
1	Assist. Prof. Dr. Ali Nasser Hussein	Head
2	Lect. Ahmed Hisham Mohamed	Member
3	Lect. Fatima Hashem Falhi	Member
4	Lect. Ali Abdel Zahra Hassan	Member
5		

Curriculum Development Committee

N.	Lecturer	Membership
1	Prof. Sahira Hussein Zein	Head
2	Assist. Prof. Dr. Bahaa Abdel Razzaq Qasim	Member

3	Assist. Prof. Wafa Abdel Samad Ashour	Member
4	Lect. Mona Taher is inattentive	Member
5	Lect. Dr. Zainab Sobeih	Member
		Member

• **Educational Guidance Committee**

A- Preliminary study

Lect. Mona Taher is inattentive

B- Postgraduate studies

N.	التدريسي	Membership
1	Assist. Prof. Dr. Bahaa Abdel Razzaq Qasim	Head
2	Assist. Prof. Dr. Widad Adwar Wadi	Member
2	Lect. Ali Abdel Zahra Hassan	Member