

**Academic Curriculum Vitae**



**Personal Information:**

Full Name: Taha Hussein Ali

Academic Title: Professor

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**Education:**

* Mosul University - College of Administration and Economics (1994-1995)

Bachelor of Science in Statistics (B.Sc.)

* Mosul University - College of Administration and Economics (1995-1998)

 Master of Science in Statistics (M.Sc.)

* Baghdad University - College of Administration and Economics (2005-2009)

 Master of Science in Statistics (M.Sc.)

**Employment:**

* Assistant lecturer in 1998: College of Administration and Economic/Statistics department
* Lecturer in 2004: College of Administration and Economic/Statistics department
* Assistant Prof. in 2010: College of Administration and Economic/Statistics department
* Prof. in 2018: College of Administration and Economic/Statistics department

**Qualifications**

* Teaching qualifications
* IT qualifications
* Language qualification

**Teaching experience:**

* Numerical Analysis
* Sampling theory
* Applied Statistics
* Principles of Statistics
* Multivariate Analysis
* Advanced Statistics
* Decision theory
* MATLAB Language
* Biostatistics
* Hypotheses Test
* Linear Model
* SPSS Program
* As supervisor of 25 Undergraduate and 9 postgraduate Researches.

**Research and publications**

* Construction Quality Control Charts using Bayes approach
* Modeling Markov chains of Bernoulli processes using the Bayesian approach
* Estimation of the bandwidth parameter in Nadaraya Watson kernel non parametric regression based on universal threshold level
* De-noise data by using Multivariate Wavelets in the Path analysis with application
* Modification of the adaptive Nadaraya Watson kernel method for nonparametric regression simulation study
* Monthly Forecasting of Water Consumption in Erbil City Using a Proposed Method
* Analysis of Some Linear Dynamic Systems with Bivariate Wavelets
* Reducing the orders of mixed model (ARMA) before and after the wavelet de-noising with application
* Solving Multi-collinearity Problem by Ridge and Eigen value Regression with Simulation
* Use proposed methods for estimating the Ridge Regression parameter and comparing it with some classical methods
* Using Proposed Nonparametric Regression Models for Clustered Data (A simulation study)
* Uses of Waveshrink in detection and Treatment of Outlier Values in Linear Regression analysis and comparison With Some Robust Methods
* Construction of Bivariate F-Control Chart with Application
* COMPARING THE BOX-JENKINS MODELS BEFORE AND AFTER THE WAVELET FILTERING IN TERMS OF REDUCING THE ORDERS WITH APPLICATION
* Comparison between the median and average charts using applied data representing pressing power of ceramic tiles and power of pipe concrete
* Using Bayes weights to remedy the heterogeneity problem of random error variance in linear models
* Using Mixed Distribution for Gamma and Exponential to Estimate of Survival Function (Brain Stroke)
* Using Wavelet in constructing some of Average Charts for Quality control with application on Cubic Concrete in Erbil
* Estimation of Bayes Weights for Simple Linear Regression Sample When the Depended Variable Is an attribute Variable with Practical Application
* Estimating of Logistic Model by using Sequential Bayes Weights
* Bayes's Analysis for Poisson Processes with Practical Application in Al-Salam Hospital Mosul
* Dealing with the Contamination and Heteroscedasticity problems in the CRD by Using the Wavelet Filter
* Estimation of Multiple Logistic Model by Using Empirical Bayes Weights and Comparing it with the Classical Method with Application
* The Construction of Bayes Chart of Single Value to Control Marble Pressure in Erbil Factory
* Estimations of AR(p) Model using Wave Shrink
* Construction robust simple linear regression profile Monitoring (A simulation study)
* Using Bayesian Weighted Method to Estimate the Parameters of Qualitative Regression Depending on Poisson distribution A comparative Study
* The Sequential Bayesian Approach for Poisson Processes
* Comparative Between Estimation Methods of Regression Parameters for Heteroscedastic Problem with Practical Application
* Data de-noise for Discriminant Analysis by using Multivariate Wavelets (Simulation with practical application)
* COMPARISON BETWEEN WAVELET BAYESIAN AND BAYESIAN ESTIMATORS TOR EMEDY CONTAMINATION IN LINEAR REGRESSION MODEL
* Wavelet Shrinkage of the Cox Proportional Hazards Regression model (with the simulation)
* Predicting the Consumer price index and inflation average for the Kurdistan Region of Iraq using a dynamic model of neural networks with time series

**Authored books**

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|  | * **مبادى إحصاء باللغة العربية**
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|  | * **مبادى إحصاء باللغة الكوردية**
 |
|  | * **القياس الاقتصادي مع SPSS**
 |
|  | * **Linear Models with MATLAB**
 |
|  | * **Multivariate with MATLAB**
 |
|  | * **التحليل الإحصائي المتقدم مع SPSS**
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**Conferences and courses attended**

* The 7th International Conference of Union if Arab Statistician-Cairo, Egypt 8-9/3/2023
* 2022 International Conference on Computer Science and Software Engineering (CSASE2022) University of Duhok, Duhok, Kurdistan Region – Iraq
* The 7th International Conference of Union if Arab Statistician-Ramallah, Palestine 07-09/07/2020
* 7th International Conference on Contemporary Information Technology and Mathematics (ICCITM)
* Teaching methods course in the College of arts/ University of Salahuddin‐Erbil/Iraq, (20‐30/9/2000).
* Computer machine language course, In the University of Mosul, College of Administration and Economic, the course including training on the Windows & Excel programs (7‐18/8/1999).
* Training Course in The University of Mosul, College of Arts, the course includes, training On English Language grammar, With Proficiency Test 1995.
* Computer machine language course, In the University of Baghdad - College of Administration and Economic, the course including training on the Windows & Excel programs (2009).

**Professional memberships**

* Member of teachers syndicate / Erbil / Kurdistan Region.

**Professional Social Network Accounts:**

* <https://www.researchgate.net/profile/Ali-Hussein-71>
* https://scholar.google.com/citations?user=cAQfm2YAAAAJ&hl=en