

# Academic Curriculum Vitae



## Personal Information:

Full Name: Dr. **Samyia Khalid Hasan**

Academic Title: Assistant Professor

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**Date of Birth:** 08-04-1977

**Place of Birth:** Zanry, Erbil

**Nationality:** Iraqi

**Passport 3:** G

**Permanent address:** Erbil-Zanko Qt.  
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## Education:

- 2004-2008 (PhD. in Statistics)**  
Department of Statistics College of Administration and Economics -  
University of Salahaddin-Erbil, IRAQ.
- 2004-2006 (MSc in Statistics)**  
Department of Statistics, College of Administration and Economics -  
University of Salahaddin - Erbil, IRAQ.
- 1995-1998 (BSc in Statistics)**  
Department of Statistics, College of Administration and Economics -  
University of Salahaddin - Erbil, IRAQ.

## Employment:

- 2018 Assistant Professor**  
Department of Statistics, College of Administration and Economics -  
University of Salahaddin - Erbil, IRAQ.
- 2014 Assistant Lecturer**  
Department of Statistics, College of Administration and Economics -  
University of Salahaddin - Erbil, IRAQ.
- 2006 Assistant Researcher**  
Department of Statistics, College of Administration and Economics -  
University of Salahaddin - Erbil, IRAQ.

## Qualifications

- ✚ Teaching qualifications
- ✚ IT qualifications
- ✚ Language qualifications

## Teaching experience:

- ✚ Principles of Mathematics
- ✚ General Mathematics
- ✚ Advance Mathematics
- ✚ Mathematical Statistics
- ✚ Mathematics
- ✚ SPSS
- ✚ Applied Statistics
- ✚ Principles of Statistics
- ✚ Operation Research
- ✚ Regression
- ✚ Decision Theory
- ✚ Stochastic Process
- ✚ Computer Softwood

## Research and publications

1. A comparison between classical estimators and Bayesian estimators for general linear regression model parameters
2. Forecasting gold prices using Markov chains and the maximum likelihood method (MLE)
3. Studying the most important Factors affecting Obesity in the Erbil city by using Factor Analysis
4. Predicting the amount of water consumed in Erbil using the SARIMA time series model
5. A Comparison between the Yates and Rubin methods for Estimating Missing Values in the Latin Square Design
6. Use Quality Control panels to control the ratio of Calcium in distilled water
7. Forecasting Electricity Generation in Kurdistan Region Using Box-Jenkins Mode
8. Analysis of Interaction in the Case of No Replication in a Two-Factor Experiment
9. A Novel Statistical Metric for the Classification of Thalassemia Diseases in the City of Erbil
10. A New Modern Technique used to Forecast the Rock Stratigraphy of Mountain Safeen in Iraqi Kurdistan
11. Using the Backpropagation Algorithm to Distinguish Arabic Alphabet
12. K-Means-Clustering and Self-Organizing Maps Comparison to Classify the Electricity Generation in Kurdistan
13. Forecast the Erbil International Airport Data Using Statistical Methods
14. Using Neural Networks to Forecast the Electricity Generation in Kurdistan Region-Iraq

## Computer Skills:

### *Software Programs:*

- Windows XP Professional.
- Microsoft Office 2003 Professional (Word, Excel, PowerPoint, Access).
- Stratigraph
- SPSS
- Matlab
- Minitab
- STATA
- E-Views
- Statgraphics,
- MATLAB
- ImageJ

## Languages Skills:

Kurdish (Mother Tongue)  
Arabic (Fluently)  
English (Very Good)  
Turkish (Good)

## Conferences and courses attended

- ❖ The 5<sup>rd</sup> International Conference on Communication Engineering and Computer Science
- ❖ The Second International and 15<sup>th</sup> National Conference Statistical Applications in Tishk International University, (ICS'4 1) held on 12-13, February/2020.
- ❖ The Second International Conference on Administrative and Financial Science in Cihan University Erbil Kurdistan Region (CIC-ADFIS' 1) held on 27-28/ June/2018).
- ❖ The Second International Conference of Iraqi Administrative Science which was held on April, Salahaddin University- Erbil.
- ❖ Second International National Conference on pure and Applied Mathematics and Mathematics Education (NCPABM) which was held on 12-13, February, 2018, in Erbil, KRI by the Faculty of Administrative Sciences and Economics, Tishk International University, Salahaddin University- Erbil .
- ❖ 3<sup>rd</sup> International Conference on Accounting, Business, Economics and Politics (ICABEP 2021) which was held on June 29-30, 2021, in Erbil, KRI by the Faculty of Administrative Sciences and Economics, Tishk International University, Salahaddin University- Erbil and University of Szczecin, Poland.
- ❖ The First International Conference on Administrative and Legal Sciences and Prospects For Renewal And Innovation” Organized by the Colleges of (Administrative and Financial Sciences and Law) at Knowledge University on (7- 8/5/2022).
- ❖ 8th International Conference on Smart Structures and Systems (ICSSS 2022)
- ❖ 6th International Conference on Applied Science, Energy and Environment (ICASEE-2022)
- ❖ 7th International Conference of Union if Arab Statistician- Caira, Egypt /2023
- ❖ 9th International Conference on Smart Structures and Systems (ICSSS)/2023
- ❖ International Conference on Accounting, Business, Economics and Politics (ICABEP 2018) which was held on April 16-30, 2021, in Erbil, KRI by the Faculty of Administrative Sciences and Economics, Tishk International University, Salahaddin University- Erbil and University of Szczecin, Poland.
- ❖ 5<sup>rd</sup> International Conference on Accounting, Business, Economics and Politics (ICABEP 2023) which

was held on Sep 25-26, 2023, in Erbil, KRI by the Faculty of Administrative Sciences and Economics, Tishk International University, Salahaddin University- Erbil and University of Szczecin, Poland.

### **Professional Memberships:**

- Member of teachers syndicate / Erbil / Kurdistan Region.
- KURDISTAN ECONOMIST SYNDICATE in KRG (From 2010 – Till now)
- IRAQI STATISTICIAN ASSOCIATION: Conducting data collection, processing, and analyzing for national and international organizations.

### **Professional Social Network Accounts:**

- Google scholar: Samyia Khalid Hasan
- <https://www.researchgate.net/profile/Samyia-Hasan>
- LinkedIn: Samyia Khalid Hasan
- <https://orcid.org/0009-0002-8873-2988>