Academic Curriculum Vitae

Personal Information:

Full Name: **Dr.Rizgar Maghded Ahmed Muhammad**
Academic Title: **Assistant Professor**
Email: **rizgar.ahmed@su.edu.kurd**
Mobile: **+964-750-46483399- +964-770-4219390**

Education:

- 2008-2012: (**Ph.D. in Statistics**). The title of the thesis is (**Employment of Principal Component and Discriminant Function in Digital Image Processing to distinguish between Benign and Malignant Breast Cancer in Erbil**). Department of Statistics, College of Administration & Economics, University of Salahaddin -Erbil.
- 2003-2005: (**M.Sc. in Statistics**). The title of the thesis is (**Principal Components and Its Loadings with Application on Vocational Education Leve**l) Department of Statistics, College of Administration & Economics, University of Salahaddin -Erbil.
- 1989-1993: (**B.Sc. in Statistics**). Department of Statistics, College of Administration & Economics, University of Salahaddin -Erbil.

Employment:

- 1993-2005 (**Researcher**). Department of Statistics, College of Administration & Economics, University of Salahaddin -Erbil.
- 2005-2012 (**Assistant Lecturer**). Department of Statistics, College of Administration & Economics, University of Salahaddin -Erbil.
- 2012-2016 (**Lecturer**). Department of Statistics, College of Administration & Economics, University of Salahaddin -Erbil.
- 2016- until now (**Assistant Professor in Applied Statistics**) Department of Statistics, College of Administration & Economics, University of Salahaddin -Erbil.

Qualifications

- (1993) (**Special course in operating system for computer and text processing**), RAM office, Erbil.
- (2000) Course Basic of (**Windows & Word**). RAM office, Erbil.
- (2001) Course Basic of (**Windows & Word**). IT Center, University of Salahaddin -Erbil.
- (2001) English Language Course, College of Arts, Language Center, University of Salahaddin -Erbil.
- (2004) Training Course of (**SPSS program**). IT Center, University of Salahaddin -Erbil.
- (2005) (**Methods of Teaching Course**), College of Education ,University of Salahaddin -Erbil.
- (2005) Training Course of (**SPSS program**). IT Unit, College of Administration & Economics, University of Salahaddin -Erbil.
- (2005) (**Personal Strategic Planning First Course)**, Al-Bayan Foundation for Human Development, Erbil
- (2005) (**Personal Strategic Planning Second Course)**, Al-Bayan Foundation for Human Development, Erbil

Teaching Experience:

- The following subjects were taught in undergraduate studies:(**Principles of Statistics - Computer Applications -SPSS – Probability Theory – Academic Debit- Mathematical Analysis - Statistical Surveys - Stat graph program**) for the academic years (1994-1995-2015-2018 -2020-2022).
- Teaching **Applied Statistics using the (SPSS program)** for master's and PhD students in the specialties of:
  (**Physical Education - Basic Education - Social Studies Department - English Language Department - Architecture - Civil Engineering - Media**) for the academic years (2103-2104-2015-2018 -2020).
- **H.R Unit Responsible** at the College of Administration and Economics in 1995.
- **A member of many committees** (examination, examination objections, purchases, calculating employee service and disciplinary committees.... etc.) (1993-2023).
- **Official of IT Unit** (at the College of Administration and Economics in 2007.

- (**Development of Education Curricula**) **Unit Responsible** in the College of Administration and Economics - Salahuddin University until now.
- CEO and Founder of (SPSS OFFICE-for Consulting and Data Analysis) until now.
- More than 20 years' experience in conducting research in (Statistical, medical, engineering, administrative, economic, marketing...etc.) .
- Skill in the following statistical analysis software:
  (**SPSS, STATGRAPHICS, E-views, Minitab, MATLAB, R, Med Calc, STATA, AMOS**)
- Over 10 years of cumulative experience in the developing and implementing training courses, capacity development in field research, data collection, and Trainer of more than (15) statistical training course on statistical program (SPSS) for public and private sector and from all scientific disciplines him (medical, legal, administrative, economic….)
- Providing consultancy and statistical data analysis for more than (1000) scientific research, master's thesis and doctoral thesis for various specializations :(Statistical, medical, engineering, administrative, economic, marketing...etc.), the analytics file is saved to me.

Training Courses (course lecturer):

1. **A medical data analysis course** using the (SPSS) program for students of the Faculty of Medicine (2006 - Faculty of Medicine - Salahuddin University).
2. **Administrative and economic data analysis course using the (SPSS)** program for the employees of the Faculty of Administration and Economics (2006 - Faculty of Administration and Economics - Salahuddin University).
3. A **course of analyzing crime and felonies data using the (SPSS)** program of the Criminal and Social Research Center (2007 - Laboratory of the College of Administration and Economics - Salahuddin University).
4. **Course of entering and analyzing employee data using the (SPSS)** program for Parliament employees in the Kurdistan Region (2007).
5. **Tourism data analysis course using (SPSS)** program for employees of the Ministry of Tourism and Travel (2010).
6. **Statistical Program Course (SPSS)** and (Excel) Program for Planning and Follow-up Unit Staff (2012).

7. A **medical data analysis course** using the (SPSS) program for teachers of the Faculty of Nursing - Hawler Medical University (2012).
8. Statistical Program Course (SPSS) for teaching research students (data entry, analysis and interpretation) - College of Administration and Economics (2015)
9. **Trainer in MSELECT Academy (Statistical data Analysis using SPSS program)** for humanitarian organizations ,13-20 December 2020.
10. **Statistical Consultant** in (FHI 360) organizations (USA) January 31, 2018 to February 15, 2018., A project to evaluate training courses (supervised by the organization) by conducting a questionnaire, interviewing trainees, analyzing data, and then writing the final statistical report.
11. **Supervising the evaluation reports** of patients in government hospital in (ERBIL-SULAYMANIA-DUHOK)-2015
12. Trainer from a **Data Analysis Training** Course for Iraqi Ministry of Oil / North Refineries Company, Under the auspices of the international French company Bureau VERITAS (BV), an intensive five-day training course was completed for the employees of the Iraqi Ministry of Oil / North Refineries Company in Erbil city (19/6/2022 to 22/6/2022)
13. Trainer of training Course for the three Presidencies (presidency of the region - government - parliament) of the Kurdistan Regional Government (KRG) in (**Data and Information Analysis)** (19/5/2022 to 25/5/2022).
14. Trainer of Training Course on (**Statistics and Statistical Reporting**) for Employees in Shirqat District, Salah Al-Din Governorate (23/3/2022 to 29/3/2023)

Research and Publications

1. Research published in Zanko Magazine at Salah Al-Din University – Erbil-2015-((**Strategic analysis of internal resources by adopting the (VRIO) tool and its impact on business intelligence.... An exploratory study of the opinions of a sample of managers in private industrial companies in the city of Erbil**)). (joint research)
2. ((**Measure and analyze the impact of the phenomenon of corruption in the educational level of Salahaddin University-Erbil for the academic year (2013/2014))-** Anbar University Journal of Economic and Administrative

Sciences-Article 13, Volume 8, Issue 16, December 2016, Pages 312-340-
https://iraqjournals.com/article_120705_0.html

3. ((**Using Principal Component Analysis to Extract Information and Texture Enhancement in Digital Image Processing**))- University of Kirkuk Journal for Administrative and Economic Science 2012, Volume 2, Issue 1, Pages (154-182) https://www.iasj.net/iasj/article/56827

4. **((Using Logistic Regression to Distinguish Between Fatty and Fibroid Masses in Medical Imaging (Ultrasound Image)-**ZANCO Journal of Pure and Applied Sciences-ZJPAS (2016), 28 (5);193-201

5. **((Measure and analyze the impact of the phenomenon of corruption in** the **educational level of Salahaddin University-Erbil for the academic year (2013/2014))-** Anbar University Journal of Administrative and Economic Sciences (2016),8(16) ; 312-340.

6. ((**تكوين لوحة المشاهدات المنفردة للسيطرة النوعية باستخدام معدل أوقات بين الفشل مع التطبيق**))-
مجلة قەڵای زانست العلمیة-المجلد (2) العدد (1) -2017

7. **((Performance Evaluation of Diagnosis Chronic Kidney Disease using Support Vector Machine and Logistic Regression Model))-**ARPN Journal of Engineering and Applied Sciences-14(15): 5167-5175, 2019.

8. **((Prediction and Factors Affecting of Chronic Kidney Disease Diagnosis using Artificial Neural Networks Model and Logistic Regression Model))-** Iraqi Journal of Statistical Science (28) 2019pp [140- 159].

9. **((Comparison Between Factor Analysis and Cluster Analysis to Determine the Most Important Affecting Factors for Students' Admission and Their Interests in The Specializations: A Sample of Salahaddin University-Erbil))-**Conference Paper: 3rd International Conference of Mathematics and its Applications-DOI: 10.31972/ticma22.03.

10. **((A Meta-Analysis of Evidence Synthesis for a Healthy Campus Built Environment by Adopting Active Design Approaches to Promote Physical Activity))-**Buildings 2023, 13, 1224. https://doi.org/10.3390/buildings13051224 https://www.mdpi.com/journal/buildings, **IMPACT FACTOR:3.324, CITESCORE :3.8.**

11. **((The Role of the Active Design Approach in Improving the Environmental Psychology of a Healthy Built Environment: The Case of a University Campus))** *Buildings* 2023, *13*(5),1224; https://doi.org/10.3390/buildings13051224, **IMPACT FACTOR:3.324 , CITESCORE :3.8.**

12. **((Using Machine Learning to early detection and classification of breast cancer masses based on medical image processing))**- Unpublished-2023.

13.   **(بعض المقاييس والمؤشرات الأحصائية في القران الكريم والسنة النبوية الشريفة)** -بحث مقدم في المؤتمر العالمي للأعجاز العلمي في القرآن والسنة-2023اسطنبول-تركيا-غير منشور

Conferences and Courses Attended

1. The Sixth Scientific Conference of the Union of Arab Statisticians – Jordan-2018.
2. 1rd Annual Best Graduate Project Competition Conference-2020- University of Salahaddin.
3. 2rd Annual Best Graduate Project Competition Conference-2021- University of Salahaddin.
4. 3rd Annual Best Graduate Project Competition Conference-2022- University of Salahaddin.
5. Grant for best graduation project and idea Conference-2021- University of Salahaddin.
6. Grant for best graduation project and idea Conference-2022- University of Salahaddin.
7. The Eighth International Conference on Information Technology and Mathematics ICCITM 2022 at the College of Computer Science and Mathematics / University of Mosul.
8. The Third International Conference of Mathematics and its Applications (TICMA2022)- College of Science / University of Salahaddin.
9. المؤتمر العالمي للأعجاز العلمي في القرآن والسنة -إسطنبول-تركيا-2023.

Membership in Organization

1. The International Union for Scientific Miracles in the Qur'an and Sunnah.
2. Kurdistan Economists Syndicate.
3. Kurdistan Teachers Union.
4. Jihan Sports Club.

Professional Social Network Accounts:

1. **Google scholar**
   https://scholar.google.com/citations?hl=ar&user=efhmgYcAAAAJ
2. **Facebook:**
   https://www.facebook.com/rizgar.m.ahmed.7
3. **ResearchGate:**
   https://www.researchgate.net/profile/Rizgar-Ahmed
4. **LinkedIn:**
   https://www.linkedin.com/in/dr-rizgar-m-ahmed-456575142/
5. **ORCID:**
   https://orcid.org/0000-0003-1788-2647