

CV

Personal Data:

1. **Name;** *Ivan subhi*
2. **Surname;** Latif
3. **Gender;** Femal
4. **Marital status;** Married
5. **Date of birth;** 10/6/1973
6. **Address;** Erbil – University of Salahaddin/ Hawler- College of Education –Scientific Departments- Department of Mathematics.
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Academic achievements and Qualifications:

Type of diploma	University	College	Department	Graduation year	Country\ Governorate
Ph.D	Salahaddin	Science	Mathematics	2007	Erbil
M.Sc.	Salahaddin	Science	Mathematics	2000	Erbil
B.Sc.	Salahaddin	Education	Mathematics	1995	Erbil

Experiences: Nil

Languages:

Name of language	Good	Fair
Kurdish	Yes	
Arabic	Yes	
English		yes
Turkish		yes

Published articles, papers and researches:

Researches	Not published	Published	Approved to be published	Publishing place	Volume	Date
The effects of dependent data in unbalanced one way Model on Type I error rates for Multiple Comparison Procedure		y		Zanco	Vol.16 No. 3	2004
The effect of related data and correction proceder for F-test in unbalanced 2-way model		y		Journal of Rafedene computers sciences and Mathematics	35	2005
Detection and Treatment of outliers in data set		y		IRQ.J.S.S	Vo.1427 No.9	2006 pp.58-74
An Efficient line search Algorithm for Large scale optimization		y		University of Mosul college of computers sciences and Mathematics	No.207 ISSN 18 15-4816	2006
A modified super linear QN-Algorithm for Unconstrained optimization		y		Iraqi Journal of statistical science	7 No. 1542	2006
New conjugate gradient algorithm with self-Scaling optimization		y		Al-Karak-Jordan Mu'TAH	No.167/1 4/120	2007
Anew Type of preconditioned CG-Algorithm with Exactly descent condition for solving Non-linear Unconstrained optimization.		y		J.of Dohuk university	Vol.22,N o(3),ISSN 1022- 6812	2007
A modified estimation for the step length of a descent nonlinear algorithm .		y		Journal of University of Kirkuk scientific studies	No.327	2007
A new preconditioned Inexact line-search Technique for Unconstrained optimization		y		ISS N 18 15-4816	No.116	2007
A new Three- Term Preconditioned Gradient memory Algorithm for Non linear optimization problem		y		Journal of Math &Stat.,4 Mathematics and Statistics	4(2):81- 87,New York,USA	2008

A non convex descent method for non-linear optimization problem		y		A.M.S.E	No.0951 6(1A)France 14 Avenue Berthelot 69007 Lyon France	2009
Global convergence of the quasi Newton BFGS algorithm with new non monotone line search		y		int .Journal .open problems Comp.,Math.	Vol3,no. 1	2010
A new CG algorithm with self-scaling VM-update for unconstrained Optimization		y		Int.journal (AAM),Texas,USA	Vol.6,Issue2	2012
Global convergence of new modified CG method with inexact line search		y		Journal of Zankoy Sulaimani part A	Vol. 16,No(2)	2014
A non Monotone Line Search Method with VM Algorithm of 2nd Order Quazi-Newton Condition for Symmetric Non Linear Equation		y		Journal of University of Kirkuk scientific studies		2013
A new combining Algorithm and its Global convergence for unconstrained optimization problem		y		Journal of Basrah Researches(Sciences)	Vo.40,No (2)	2014
New Global hybrid Conjugate gradient method for solving unconstrained optimization problem		Y		Journal of Zankoy Sulaimani-	Part A (JZS-A), Vo. 16 ,No.1	2014
Optimal Formula about Ordering the Random Variables Problem		Y		Eurasian Journal of Science & Engineering	ISSN 2414- 5629 (Print),	2019

Conferences and Scientific activities:

Training courses		
Name of course	Duration	Place
The first Irqqi-Franch mathematics conference	college of science,Salahaddin University/Erbil	14-18,2009

International Conference on Mathematical Modelling	Sultan Qaboos University-college of science-Department of Mathematics and statistics	February 23-26,2009
The third International conference on Numerical and Optimization	Sultan Qaboos University-college of science-Department of Mathematics and statistics	January 5-9,2014
Computer Course	15 days	Education College, Salahaddin Univ.

The Thesis of M.Sc Entitled "Determining the Expected Mean Squares for Balanced 2-Way Nested Effects Model With Weak Correlated Data"

Abstract

The usual assumptions of ANOVA method are that the error terms in the model are independent, identically normal variables with null means and homogeneous variances. In addition, the model should be linear. This work explain a method for adjusting ANOVA when observations are correlated, that is, when the error terms are correlated and focus on the effects of departures from independence assumptions on hypothesis testing by determining the expect mean squares for errors as well as treatments for balanced two-way nested effect.

The Thesis of Ph.D Entitled "Large Scale Gradient Related Algorithms for Solving Nonlinear Unconstrained Optimization Problems"

Abstract

This thesis involves an investigation in unconstrained nonlinear large-scale optimization problems. The development of new CG, PCG, self-scaling VM and superliner QN-algorithms is investigated. The effect of incorporating exact, inexact and estimated line searches have been studied.

Chapter two of this work involves a new combined extended CG and VM method. This method is based on the inexact line searches and its numerical properties are discussed using different non-linear test functions with various dimensions. The global convergence rate of the proposed algorithm is investigated under few weak conditions.

Numerical experiments show that the new algorithm converges faster and it superior to other similar algorithms in the same field.

Chapter three of this work involves a modified QN-algorithm for solving a self-scaling large scale unconstrained optimization problems based on a new QN-update. Our numerical tests show that the new proposed algorithm in the same filed.

Chapter four of this work involves a new algorithm of gradient descent type, in which the step-size is completed by means of simple approximation of the Hessian matrix to solve nonlinear unconstrained optimization function. The corresponding algorithm and

Field of interest of proposed research for the fellowship:

In general, my interest field is the Numerical Optimization problem & **Mathematical Statistics**