

Curriculum Vitae Samir K. Safi, PhD

Associate Professor of Statistics

Personal information

Name: Samir Khaled Safi
Tel.: +970 8 2644400
Fax: +970 8 2644800
Email: samirsafi@gmail.com
Website: www.samirsafi.com
<http://site.iugaza.edu.ps/ssafi>



Education

<i>Institution</i>	<i>Degree</i>	<i>Year</i>	<i>Field</i>
American University, Washington DC, USA	PHD	2004	Statistics
American University, Washington DC, USA	Master of Science	1998	Statistics
Al- Mansoura University, Egypt	Bachelor of Science Grade: <i>Distinction with honor degree</i>	1993	Statistics and Scientific Computations

Editorial board

- International Journal of Statistics and Probability, Canada.
<http://ccsenet.org/journal/index.php/ijsp/about/editorialTeam>
- American journal of applied mathematics, USA.
<http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=148>
- Journal of the Islamic University of Gaza, Palestine.
<http://research.iugaza.edu.ps/Default.aspx?tabid=3091>

Reviewer for Scientific Researches

- International Journal of Statistics and Probability, Canada.
<http://ccsenet.org/journal/index.php/ijsp/about/editorialTeam>
- Electronic Journal of Applied Statistical Analysis, Italy.
<http://siba-ese.unile.it/index.php/ejasa>
- Pakistan Journal of Statistics and Operation Research, Pakistan.
<http://www.pjsor.com/>
- The Journal of the Islamic University of Gaza, Palestine.
<http://research.iugaza.edu.ps/>
- The Journal of Alazhar University, Palestine.
www.alazhar.edu.ps/journal123 <http://www.bing.com/search?q=www.al-azhar.edu.ps&src=IE-SearchBox&FORM=IE8SRC> - #
- The Journal of Alaqsa University, Palestine.
[www. http://www.alaqsa.edu.ps](http://www.alaqsa.edu.ps)

Reviewer for Books

- Packt Publishing, Birmingham, England. *SPSS Statistical Analysis Cookbook*, 2013-present. <http://www.packtpub.com>

- The Journal of Alazhar University, Gaza, Palestine. *Collection and Analysis for Strategic Planning Data*, 2009. www.alazhar.edu.ps/journal123

Honors

- *Distinction in Dissertation Defense* (2004), title “*The Efficiency of OLS in the Presence of Auto-correlated Disturbances in Regression Models*”, Department of Mathematics and Statistics, American University, Washington, DC, USA.
- *Project NEXT Fellow* (2004). Fellowship for new mathematicians and teachers of mathematics to attend a series of conferences and professional development workshops.
- *Departmental Instructorship* (2001-2004). Department of Mathematics and Statistics, American University, Washington, DC, USA.
- *Distinction in Statistical Inference Comprehensive Exam* (2002), Department of Mathematics and Statistics, American University, Washington, DC, USA.
- *Departmental Fellowship* (2000). Department of Mathematics and Statistics, American University, Washington, DC, USA.
- *Arab Student Aid International (ASAI) scholarship* (2001-2004).
- *Karim Rida Said Foundation (KRSF) scholarship* (1997-1998).
- *Distinction with honor degree* (1993), Bachelor of Science. Al-Mansoura University, Egypt.

Academic Experience

2009-Present	Associate Professor of Statistics, Department of Economics & Applied Statistics, The Islamic University of Gaza, Palestine
2005-2009	Assistant Professor of Statistics, Department of Economics & Applied Statistics, The Islamic University of Gaza, Palestine
2004-2005	Assistant Professor of Statistics, Department of Mathematics, James Madison University, Harrisonburg, VA, USA.
2003-2004	Lecturer of Statistics, College of Education, Howard University, Washington DC, USA.
2000-2004	Lecturer of Statistics, Department of Mathematics and Statistics, The American University, Washington DC, USA.
1998-2000	Lecturer of Statistics, Department of Economics & Applied Statistics, The Islamic University of Gaza, Palestine.
1994-1997	Teaching Assistant in Statistics, Department of Economics & Applied Statistics, The Islamic University of Gaza, Palestine

Academic Teaching

Graduate Course

- Advanced Topic in Statistics & Multivariate Statistics
- Multivariate Statistical Analysis
- Statistical Methods
- Intermediate Statistics
- Quantitative Techniques and Decision Making
- Advanced Statistical Inference
- Probability and Statistics for Engineers.
- Econometrics and Quantitative Analysis
- Statistics and Research Methodology
- Time Series Analysis and Forecasting
- Applied Statistics in Media

Undergraduate Course

- Mathematical Statistics
- Probability Theory
- Stochastic Processes
- Applied Regression analysis
- Special Topics in Statistics
- Statistical Analysis
- Categorical Data Analysis
- Design of Experiments
- Statistics Basic
- Business Statistics
- Statistical Programming by SPLUS
- Business Mathematics
- Data Analysis by SPSS
- Data Analysis using Microsoft Excel
- Statistical Package for the Social Sciences (SPSS)
- Microsoft Word and Windows
- Finite Mathematics
- Elementary Mathematical Models

Research Interests

Time Series Analysis, Forecasting methods, Regression Models, Mathematical Statistics, Multivariate Statistical Analysis.

Publications

(A) Selected Articles in Refereed Journals

1. Safi S. and Dawoud, I (2013) “*Comparative Study on Forecasting Accuracy among Moving Average Models with Simulation and PALTEL Stock Market Data in Palestine*”. International Journal of Theoretical and Applied Statistics, Vol. 2, No. 6, pp. 202-209.

<http://article.sciencepublishinggroup.com/pdf/10.11648.j.ajtas.20130206.17.pdf>

2. Safi S. (2013) “*Generalized Order Statistics from Generalized Exponential Distributions in Explicit Forms*”. Journal of Applied Statistical Analysis, (EJASA), Italy, Vol. 6, No.2, pp 222-237.

<http://siba-ese.unile.it/index.php/ejasa/article/download/11775/11931>

3. Safi S., Migdad, M., and Taweel, F. (2013) “*Building Multiple Regression Model for Electricity Consumption in Gaza Strip*”. IUG Journal of Natural and Engineering Studies, Vol. 22, No.1.
4. Safi S. (2013), “*Statistics in Noble Qur'an*”. Proceedings of the First International Conference on Information, Operations Management and Statistics (ICIOMS2013), Kuala Lumpur, Malaysia, September 1-3, 2013.
<http://www.ieomrs.com/ioms/2013Proceedings/paper/7.pdf>
5. Safi S. (2013), “*Artificial Neural Networks Approach to Time Series Forecasting for Electricity Consumption in Gaza Strip*”. IUG Journal of Natural and Engineering Studies, Vol.21, No.2, pp 1-22.
<http://www2.iugaza.edu.ps/ar/periodical/articles/s12.pdf>
6. Safi S. and Namrouty, K. (2012), “*Building Logistic Regression Model to Identify Key Determinants of Poverty in Palestine*”. IUG Journal of Natural and Engineering Studies, Vol. 20, No.1, pp 85-102, ISSN 1726-6807.
<http://www.iugaza.edu.ps/ar/periodical/articles/الاصافي%20بعد%20التعديل%20د.د.سمير%20صافي%20بعد%20التعديل.pdf>
7. Safi S. (2011) “*On Selection of Autoregressive Order in Case of Incorrectly Model Specification*”. Proceedings of the 11th Islamic Countries Conference on Statistical Sciences (ICCS-11). Lahore, Pakistan. Vol. 21, pp. 459-469.
<http://www.isoss.net/downloads/Proc%20ICCS-11.pdf>
8. Safi S., Al Sheikh Ahmed R. (2011), “*On Distributions of Generalized Order Statistics from Kumaraswamy Distribution in Closed Forms*”. The 46th Annual Conference On Statistics, Computer Science, and Operations Research, Institute of Statistical Studies and Research, Cairo University. Conference Proceedings.
9. Safi S. (2009), “*Explicit Equations for ACF in the Presence of Heteroscedasticity Disturbances in First-Order Autoregressive Models, AR(1)*”. The Journal of the Islamic University of Gaza, Vol. 17, No. 2, 97-107.
10. Safi S. (2008), “*Variance Estimation in Time Series Regression Models*”, The Journal of Modern Applied Statistical Methods, USA. Vol. 7, No. 2, 506-513.
11. Safi S. (2008), “*Explicit Equations for the Variances of the Regression Coefficients of OLS and GLS Estimators*”, The Journal of the Islamic University of Gaza, Vol. 16, No 1, p65-74.
12. Safi S. (2008), *A Statistical Study of the Physicians Self-appraisal and the Identification of Training Needs in the Gaza Strip*. Medical Education & Public Health in Palestine Conference at Islamic University of Gaza.

13. Safi S. and White A. (2006), “*The Efficiency of OLS in the Presence of Auto-correlated Disturbances in Regression Models*”, The Journal of Modern Applied Statistical Methods, USA, Vol. 5, No 1, p107-117.
14. Safi S. (2006), “*Explicit Formulas to Determine the Efficiency of OLS in the Presence of First Order Auto-Correlated Disturbances in Regression Models*”, The Journal of the Islamic University of Gaza, Vol. 14, No 1, p147-163.
15. Safi S. (2005), “*Comparison of Estimators in Regression Models with First and Second Order Autoregressive Disturbances: When is OLS Efficient?*”, The first Conference of Investment and Finance in Palestine between the Development Potential and Contemporary Challenges Proceedings.

(B) Books

16. *S-PLUS Programming Language and Applied Statistics*, VDM Verlag publisher, <http://www.vdm-publishing.com>, ISBN: 978-3-639-14790-2, pages 376, 2009.
17. *The Efficiency of OLS in the Presence of Auto-correlated Errors*, VDM Verlag publisher, <http://www.vdm-publishing.com>, ISBN-10: 3639086902, ISBN-13: 978-3639086904, pages 166, 2008.
18. *An Introduction to Statistics*, pages 282, 2009.

Selected Master Thesis Supervision

1. Alaa A. Al-Reqep, 2012-present.
Thesis title: *Comparative study of Testing Residual Autocorrelation in Time Series*
2. Ahmad R. Al-Wawi, year of degree 2013
Thesis title: *The Rule of Palestinian NGOs in Reducing Poverty Rates in Gaza Strip*
3. Fadi N. Al-Taweel, year of degree 2013
Thesis title: *Estimating Househlds Demand Function On Electricity Consumption in Palestinian. Case Study: Gaza Strip (2000-2011).*
4. Ismael R. Al-Zain, year of degree 2013
Thesis title: *The Foreign investment in Palestinian territories and its impact on the development of Palestinian (1995-2010).*
5. Mohammad A. N. Nassr, year of degree 2013.
Thesis title: *Determinants and Econometric Estimation of Imports Demand Function in Palestine.*
6. Mohammed M. Barbakh, year of degree 2012.

Thesis title: *A Study on the Violation of Homoskedasticity Assumption in Linear Regression Models.*

7. Rehab Ahmed, year of degree 2012.

Thesis title: *On Some Distributions of Generalized Order Statistics.*

8. Ehab Abu Saif, year of degree 2012.

Thesis title: *GLS Forecasting in Time Series Regression Models.*

9. Isam Dawoud, year of degree 2012.

Thesis title: *Comparison the Accuracy of Forecasting Among k-th Moving, Weighted and Exponential Moving average for Time Series Models.*

10. Issa Hamdan, year of degree 2008

Thesis title: *Developing Forecasting Model for UNRWA Schools in Gaza Strip.*

11. Hasan Al-Hendi, year of degree 2007

Thesis title: *Developing a Forecasting Model for Mobile Users in Palestine.*

Selected Master Thesis External Examiner:

1. Ahamad Al-Ostaz, " *Estimating the size of the hidden economy in the Palestinian Territories "An Econometric Study" (2000-2010)"*, May 2013.
2. Amal H. Khafaga, "*The effect of Government Expenditure on Economic Growth An Econometric Study on the Palestinian Economy (1996-2011)*", Feb. 2013.
3. Mohammad H. Khafaga, "*The Poverty Level in Gaza Strip and its Relation to the Islamic Concepts, Comparative Study*", 2012.
4. Marram T. Al-Farra, "*The rule of the banking sector in financing the Palestine Economic Development (1995-2011)*", Sep. 2012.
5. Mohammed A. Al-Ghareeb, " *Evaluation and the effectiveness of predictive models and data mining* ", 2012.
6. Abdul Rhman Ferwana, "*Periodically Correlated Time Series Models: Representation and Identification*", Sep. 2011.
7. Asem Yasin, "*Comparative Study of Artificial Neural Network and ARIAM Models for Economic Forecasting* ", Sep. 2011.
8. Salah Abu Samaan, "*Estimation of Life Expectancy in Gaza Strip*", July. 2011.
9. Nedal Ali, "*Detection of Multicollinearity in Multiple Linear Regression Models*", Jan. 2011.
10. Mohammad Okal, "*Survival Analysis of Breast cancer Patients in Gaza*", Aug. 2010.

11. Naji Al-Qeiq, "A Comparison of Goodness-of-Fit Tests for Logistic Regression Model", May, 2010.
12. Khaled AL-Mghary, "Estimating the Number of Clusters in Genetics of Acute Lymphoblastic leukemia Data" April, 2010.
13. Riad M. Al-Afifi, The Use of Multinomial Logistic Regression Model on Physical Violence Data, March 2010.
14. Arwah Karam (MS), Markov Chain Monte Carlo Method and Perfect Simulation, 2007.

Statistical Software Packages Experience

Expert in statistical data analysis using many statistical software packages such as SPSS, Minitab, SAS, SPLUS, R, Eviews, Microstat, Easy Fit, POM-QM, and STATA.

Information Technology Skills

- Languages: FORTRAN, PASCAL, and BASIC.
- Software: Windows, Microsoft Office, Scientific Workplace, and Latex.

Practical Research Experience

- Trainer of Statistical Package for the Social Sciences (SPSS) for many training courses in different fields since 1995 such as: Education, Business, Science, Engineering, Community mental health and others.
- Supervisor of training courses in statistical analysis using SPSS, SAS, and Excel for many institutions and organizations.
- Teaching Statistics for undergraduate and graduate levels by using SPSS, SAS, Minitab, S-PLUS, Eviews, R and POM-QM.