

# FARAH YASMEEN

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## CONTACT

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## WORK EXPERIENCE

### University of Karachi, Pakistan

**May 2006 — Present**

Assistant Professor

- Preparation and delivery of lectures to the students of graduate and post graduate classes
- Conducting tutorials and laboratory sessions
- Performed duties as a member of Technical Report (TR) Committee
- Performed duties of Departmental Research Committee (DRC)
- Performed duties as a member of Boards of Studies

### University of Karachi, Pakistan

**January 2001 — May 2006**

Lecturer

- Preparation and delivery of lectures
- Conducting tutorials and laboratory sessions
- Provided guidance as Technical Report Supervisor to MA/MSc.(Final Year) students in Technical Reports

## QUALIFICATIONS

- PhD (Statistics)

## EDUCATION

### PhD (Statistics)

**April 2007 — February 2011**

Monash University (Australia)

### MPhil (Statistics)

**February 2002 — April 2004**

Karachi University

### MSc (Statistics)

**January 1994 — January 1996**

Karachi University

## PUBLICATIONS (JOURNAL ARTICLES)

1. Hyndman, R.J, Booth, H. and Yasmeen, F. (2013), Coherent Mortality Forecasting: The Product-Ratio Method with Functional Time Series Models , Demography 50(1), 261--283.
2. Yasmeen, F., Hyndman. R. J. and Erbas, B. (2010), Forecasting Age-related changes in Breast Cancer Mortality among White and Black US Women: A functional data approach, Cancer Epidemiology, Vol. 34, pages 542-549.
3. Yasmeen, F. and Sharif, M. (2015), Functional Time Series (FTS) Forecasting of Electricity Consumption in Pakistan, International Journal of Computer Applications (IJCA) (0975 -- 8887) (to be published in August 2015 Issue)
4. Amjad, U., Jilani, T.A and Yasmeen, F. (2012), A two phase algorithm for fuzzy time series forecasting using genetic algorithm and particle swarm optimization

- techniques, International Journal of Computer Applications (IJCA) (0975 -- 8887), 55(16) pages 34-40.
5. Yasmeen, F. (2015), Coherent Forecasts of US Age-specific Breast Cancer Mortality, *Donnish Journal of Cancer Research and Experimental Oncology*, 1(1) pages 01-08, [www.donnishjournals.org/djcreo](http://www.donnishjournals.org/djcreo)
  6. Yasmeen, F. (2015), The Common Principal Component (CPC) Approach to Functional time Series (FTS) Model, *Science Journal of Applied Mathematics and Statistics*, Science Publishing Group, 3(1), pages. 22-26  
doi:10.11648/j.sjams.20150301.14.
  7. Yasmeen, F., Waseem, H.F and Mahmood, Z.(2014), An FDA Approach to Forecast Age-Specific Fertility Rates of Pakistan Region-Wise, *Computer Science and Applications (CSA)*, Ethan Publishing Company, USA, 1(6), 341-348.
  8. Yasmeen, F. and Zaheer, S. (2014), Functional Time Series Models to Estimate Future Age-Specific Breast Cancer Incidence Rates for Women in Karachi, Pakistan, *Journal of Health Science*, David Publishing Company, USA, 5(2), 213-221.
  9. Yasmeen, F. and Mughal, S. (2014), Functional Time Series Models and the APC Models: A Comparative Study on the Lung Cancer Incidence Rates in Denmark, *Journal of US-China Medical Science (USA)*, 11(3), 121-128.
  10. Yasmeen, F. and Sharif, M. (2014), Forecasting Electricity Consumption for Pakistan, *International Journal of Emerging Technology and Advanced Engineering (IJETAE)* (ISSN 2250-2459, ISO 9001:2008 Certified Journal), 4(4), pages 496-503.
  11. Yasmeen, F. and Siddiqui, A. (2014), A Cake Baking Experiment using Fractional Factorial Split Plot (FFSP) Design, *International Journal of Recent Development in Engineering and Technology (IJRDET)* (ISSN 2347 - 6435 (Online)) 2 (2) pages 7-12.
  12. Yasmeen, F. and Meenai, Y. (2005), Nonparametric Regression Analysis, *Journal of Basic and Applied Sciences (JBAS)*, University of Karachi, 1(1), pages 39-44.
  13. Akram, M., Siddiqui, A.J. and Yasmeen, F. (2004), Learning Statistical Concepts, *International Journal of Mathematical Education in Science and Technology*, 35(1), pages 65-72.

## CONFERENCE PROCEEDINGS

1. Zaheer, S. and Yasmeen, F., Breast Cancer Incidence Rates in Karachi, proceedings of 10th International Conference on Statistical Sciences (ICCS) at Lahore, Pakistan, held on March 7-9 2013, Vol. 24, pages 71-78.
2. Yasmeen, F. and Mahmood, Z., Forecasting age-specific fertility rates of Pakistan using functional time series models', paper presented and published in Proceedings of twelfth Islamic Countries Conference (ICCS-12) at Doha, Qatar held on December 2012.
3. Yasmeen, F., A comparison between Taguchi Robust Design and Classical Design of Experiments, Proceedings of Eighth Statistics Seminar at the Department of Statistics, University of Karachi, ISBN-969-8397-07-8, pages 49-58.
4. Siddiqui, A.J. and Yasmeen, F. (2001), Mixed Level Fractional Factorials, Proceedings of Eighth Statistics Seminar at the Department of Statistics, University of Karachi, ISBN-969-8397-07-8, pages 131-138.
5. Siddiqui, A.J. and Yasmeen, F. (1999), Identification of Active Factors in Fractional Factorial Designs of Two Levels, Proceedings of Seventh Statistics Seminar at the Department of Statistics, University of Karachi, pages 67-76, ISBN-969-8397-06-X.

## SEMINARS/TALKS

- § Modeling and Forecasting Electricity Consumption for Pakistan, talk given at ISOSS Conference Karachi, March 26, 2014.
- § Forecasting Age-Specific Fertility Rates of Pakistan Using Functional Time Series Models, talk given at Islamic Countries Conference on Statistical Sciences (ISOSS) at Doha, Qatar on Dec. 2012
- § Forecasting Functional Time Series, seminar given at the Department of Statistics,

Karachi University, February 04, 2012.

§ Types of Variable and levels of Measurements, talk given at IBA Karachi, July 26, 2012.

## RESEARCH STUDENTS

### (MS/PhD Program)

1. Hira Fatima, "Projecting Fertility Rates of Pakistan" (PhD begin 2012)
2. Muhammad Sharif, "Modeling and Forecasting Electricity Consumption in Pakistan" (PhD begin 2012)
3. Sidra Zaheer, "Projecting Breast Cancer Incidence Rates using Functional Data Analysis" (PhD begin 2011)
4. Saba Mughal, "A comparison between FTS models with APC models" ( PhD begin 2011)

### (Technical Report /Theses at Master's Level)

1. Tooba Aftab(2012) , "Outlier Detection for Functional Data"
2. Sobia Tirmizi(2005), " RSM within Split-plot Structure".
3. Kahkashan Parveen (2005), "Jackknife Method for Performance Measures"
4. Syeda Omima Fatima(2004), "Experimental Designs for Fitting RSM"
5. Jaffer Bin Baqar(2004), "Multivariate Analysis of Variance( MANOVA)"
6. Shaheen Hameed (2003), " Nonparametric Regression Analysis"
7. Atiya Khatoon(2003), "Analysis of Variance by Ranks"
8. Syed Imran Ali(2003), "Response Surface Approach to Taguchi Robust Designs"
9. Ghazala Akhtar(2002), "Fractional Factorial Split-plot Designs"

## INTERESTS

Reading, music, walking

## REFERENCES

Prof. Rob J Hyndman  
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Prof. Mudassir Uddin  
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