

CURRICULUM VITAE



Name : **Gauri Shrestha**
Nationality : Nepali
Date of Birth : 6 June 1964
Marital Status : Married, 3 children (two daughters, one son)
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ACCADEMIC QUALIFICATIONS:

- PhD in Statistics from Tribhuvan University, Nepal, January 25, 2016
- M.Sc. in Statistics from Center Department of Statistics, T.U, 1991
- B.Sc. (Physics, Statistics, Mathematics), T.U, Nepal
- I. Sc. (Physics, Mathematics, Chemistry, Biology, English)

COMPUTER SKILLS:

- Statistical Data analysis (SPSS for windows, STATA)

EMPLOYMENT RECORD:

- **Associate Professor (Reader)**, Central Department of Statistics, TU from September 18, 2009 onward
- **Assistant professor (Lecturer)**, Central Department of Statistics, TU, from June 26, 2001 till September 17, 2009.
- **Assistant lecturer**, Central Department of Statistics, TU, from Jun 16, 1992 till Jun 25, 2001

FELLOWSHIP/AWARDS:

- INSA Fellowship, INSA-NAST bilateral exchange program for funding research at any university in India for Ph.d scholar. (Nov, 2010-April, 2011)
- **Ph.D. Fellowship**, University Grants Commission (UGC), Nepal (2008/2011)
- Shichhya Padak (**National Education Award and Medal**), Government of Nepal, Ministry of Education 2004
- Mahendra Bidhya Bhusan (kha), 1990

AREAS OF INTEREST:

- Statistical Data Modeling, Inferential Statistics, Categorical data analysis etc

PUBLICATIONS:

1. “Utilization of Antenatal Health Services: An Application of Ordinal Logistic Regression Model” published in *Himalayan Scientific Journal*, Vol. 6, 2013, pp 35 -40.
2. “Factors related to utilization of antenatal care in Nepal: A generalized linear approach” published in *Journal of Kathmandu Medical College*, Vol. 2, Number 2, Issue 4, April-June 2013, pp 69-74.
3. “Mathematical Modeling of Health Services Utilization Data Using Multiple Logistic Regression” published in *BRAC University Journal*, Vol. VIII, no. 1& 2, 2011, pp. 47-54, URI: <http://hdl.handle.net/10361/1798>.
4. “Statistical analysis of factors affecting utilization of antenatal care in Nepal” published in *Nepal Journal of Science and Technology*, Vol. 12, 2011, pp 268-275. DOI:10.3126/njst.v12io.6512.
5. “Statistical analysis of factors associated with maternal mortality in Nepal” in association with Dr Srijan Lal Shrestha; published in *International Journal of Statistical Sciences*, Vol. 10, 2010, pp 57-70 (ISSN 1683-5603)
6. “Enrollment of Female Students in Higher Education with Special Reference to Tribhuvan University” published in *NUTA Journal*, Vol.3, No. 3, page 62 – 71.

PAPER PRESENTATION:

1. “**Proportional Odds Model: An Application to Maternal Healthcare Service Utilization Data**” presented in the 7th National Conference on Science and Technology organized by the Nepal Academy of Science and Technology, from March 29-31, 2016.
2. “**Ordinal Logistic Regression Model: An Application to Health Service Utilization Data**” presented in the 6th National Conference on Science and Technology organized by the Nepal Academy of Science and Technology, from September 25-27, 2012.
3. “**Factors related to Utilization of Antenatal care in Nepal: A generalized linear Approach**” presented in the International Conference on Operational Research organized by the Operational Research Society of Nepal (ORSON), from February 1-2, 2012.

4. ***“Mathematical modeling of Health Service utilization Data using Multiple Logistic Regressions”*** presented in the National Conference on Statistics for Twenty-first Century [NCSTC] & Annual Conference of Kerala Statistical Association Conducted by the Department of Statistics, University of Kerala, Trivandrum, from March 17-19, 2011.
5. ***“Statistical Analysis of Factors Associated with Maternal Mortality in Nepal”*** presented in the National Conference on Science and Technology conducted by Nepal Academy of Science and Technology (NAST), from November 10-12, 2008.

PARTICIPATIONS:

1. National Workshop on ***“Statistical Applications in Industry, Business, Agriculture and Ecology”*** conducted by the Department of Statistics, St. Thomas College, Pala, Kerala, from March 26-28, 2011.
2. 3-day course work on ***“Nonextensive Statistical Mechanics”*** by professor Constantino Tsallis from Brazil, conducted at CMS, Pala, Kerala, from January 6-8, 2011.
3. ***“International Conference on Mathematical Sciences (ICMS 2011)”*** in honour of Professor A.M.Mathai, conducted at CMS, Pala, Kerala, from January 3-5, 2011.
4. NATIONAL SEMINAR ON ***“Recent Trends in Mathematical Modelling and Statistical Applications”*** conducted at Devamatha College, Kuravilangad, Kerala, from November 23- 25, 2010.
6. Training workshop on ***Demographic Analysis and Population Projections in Soaltee Crown Plaza, Kathmandu***, organized by UNFPA/APRO, UNFPA Nepal CO and U.S. Census Bureau from 26 July to 13 August 2010.
7. Training workshop on ***2010 SERC school of CMS Pala Campus on stochastic model*** organized by DST centre of Mathematical Science, South Pala & Hill Area Campus, India from April 12th to May 14th 2010.
8. Training workshop on Scientific Literature Review for Knowledge Advocacy Using ***“Program for the Enhancement of Research Information (PERI)”*** organized by International Network for the Availability of Scientific Publications (INASP) and Dynamic Society Nepal (DSN) from June 21 -23, 2007.
9. Training Workshop on ***“Qualitative Research Methods in Social Sciences”*** Organized by Dynamic Society Nepal (DSN) on May 12, 2007.
10. Training Workshop on ***“Population Awareness at Regional Level”***, Organized by CEDA, MOHP from June 11- 16, 2006 at CEDA Hall.

11. Participated in the training workshop "*project planning and small rural entrepreneurship*" Organized by Women in Science and Technology (WIST) and Center for International Agricultural development Corporation, Israel from Dec 1-12, 1997 at P.K Campus, T.U.

WORK EXPERIENCES:

a. Teaching

Current

- Statistical inference & Categorical data modeling in M. Sc. / M. A. Statistics, CDS, TU, Kirtipur.
- Resource person, Teaching Quantitative Technique and data Management in Post Graduate Level, School of Environment Management, P.U, 2012- onward
- Resource person, Teaching Statistics in Bachelor Level (Computer Science and Information Technology), Orchid International College, T.U, 2012- onward

Previous

- Resource person, Teaching Statistical application for CSIT (Bachelor level), New Summit College, T.U, 2010-2012
- Resource person, Teaching Statistical application for M. Sc. Urban Planning, Engineering College, Pulchowk, T.U, 2011-2012
- Resource person, Teaching Statistical application for B.E level, Kantipur Engineering College (KEC), P.U, 2008-2010
- Resource Person, Teaching Data analysis for EMBA, Management College, MAN, T.U, 2008-2009
- Resource person, Teaching Quantative Techniques for BBA and PGDCA, Kantipur City College, P.U, 2005-2009
- Resource Person, Training workshop on Research Methodology, Central Department of Botany, T.U. June 28 - July 20, 2007,

b. Research supervision

- Supervised 6 thesis works of M.sc students from the Central Department of Statistics, T.U