

Curriculum Vitae



Name : Gauri Shrestha
Nationality : Nepali
Date of Birth : 5 June 1962
Marital Status : Married, 3 children (two daughters, one son)
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PRESENT POSITION:

- Head and Professor, Central Department of Statistics (CDS), T,U, Kirtipur, Kathmandu, Nepal
Website: www.tucds.edu.np
- Editor, Nepalese Journal of Statistics, T,U, Kirtipur, Kathmandu, Nepal
Website: <http://tucds.edu.np/index.php/publication>

ACCADEMIC QUALIFICATIONS:

- **Ph.D.** (Statistics), Tribhuvan University, Nepal, 2016.
 - Ph.D. Thesis title: “Impact of Socio-economic and Demographic Variables on Maternal Health Behaviour: A Statistical Approach”. Supervised by Prof. Dr. Ganga Shrestha.
- **M.Sc.** (Statistics), Central Department of Statistics, T.U, Nepal, 1989.
 - **Gold medalist**
- **B.Sc.** (Physics, Statistics, Mathematics), T.U, Nepal, 1985.
- **I. Sc.** (Physics, Mathematics, Chemistry, Biology, English), T.U, Nepal, 1982.
- **S.L.C.** (Mathematics, Science, Optional math), S.L.C Board, Nepal, 1979.

COMPUTER SKILLS:

- Statistical Data analysis (SPSS for windows, STATA)

EMPLOYMENT RECORD:

- **Head**, Central Department of Statistics, T.U from July 9, 2020 onward
- **Professor**, Central Department of Statistics, TU from December 13, 2021 and onward

- **Associate Professor (Reader)**, Central Department of Statistics, TU from September 18, 2009 till December 12, 2021
- **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(on contract).

AREAS OF INTEREST:

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

WORK EXPERIENCES:

a. Teaching:

Current:

- Statistical inference & Categorical data modeling in M. Sc. / M. A. Statistics, CDS, TU, Kirtipur.

Previous:

- Served as an expert for preparing syllabus of the subject Statistics at M.Sc level as well as B.Sc level.
- Resource person, Teaching Quantitative Technique and data Management in Post Graduate Level, School of Environment Management, P.U, 2012- 2018
- Resource person, Teaching Statistics in Bachelor Level (Computer Science and Information Technology), Orchid International College, T.U, 2012- 2019
- Resource person, Teaching Statistical application for CSIT (Bachelor level), New Sumit 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 Colllege, 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 14 M.Sc. thesis works in Statistics, Central Department of Statistics, T.U

PUBLICATIONS:**a. Publications in International Journals:**

- **Shrestha Gauri & Shrestha Ganga.** (2011). Mathematical Modeling of Health Services Utilization Data Using Multiple Logistic Regression. *BRAC University Journal*, Vol. VIII, no. 1& 2, 2011, pp. 4754, URL: <http://hdl.handle.net/10361/1798>. Accessed on <http://dspace.bracu.ac.bd/xmlui/handle/10361/1798>
- Shrestha Srijan Lal & **Shrestha Gauri.** (2010). Statistical Analysis of Factors Associated with Maternal Mortality in Nepal. *International Journal of Statistical Sciences*, Vol. 10, pp 57-70 (ISSN 1683-5603), AMS Classification: 62J12.

b. Publications in National Journals:

- **Shrestha Gauri & Rijal Tara Devi.** (2019). Multinomial Logistic Regression Model to Identify the Factors Associated with Academic Performance of Hearing Impaired Students of Some Selected Districts of Nepal. *Nepalese Journal of Statistics.*, Vol. 3, pp 41-56, (ISSN 2565-5213(Print), ISSN 2654-839X (Online) DOI: <http://doi.org/10.3126/njs.v3i0.25577> , Accessed on <https://www.nepjol.info/index.php/NJS/article/view/25577>
- **Shrestha Gauri & Tiwari Prativa.** (2018). Factors Associated with Intimate Partner Violence: Logistic Regression Approach. *Nep. J. Stat.*, Vol. 2, pp 37-52, (ISSN 2565-5213(Print). DOI: <http://dx.doi.org/10.3126/njs.v2i0.21154>. Accessed on <https://www.nepjol.info/index.php/NJS/article/view/21154/17331>
- **Shrestha Gauri,** (2018). Application of Multinomial Logistic Regression Model in Maternal Health Care Service Utilization as Assistance during Delivery. *International Journal of Operational Research/Nepal-IJORN.*, Vol.7, Issue 1, pp 1-14, (ISSN 2091-1521 (Print), 2091-153X (Online)). Accessed on [http://orsn.org.np/upload/files/IJORN%20-%207th%20\(1\).pdf](http://orsn.org.np/upload/files/IJORN%20-%207th%20(1).pdf)
- **Shrestha Gauri.** (2017). Factors Affecting Maternal Health Care Services Utilization in Nepal: Insight from the Nepal Demographic Health Survey 2006 and 2011” *Nep. J. Stat.*, Vol. 1, pp 55-72, (ISSN:2565-5213(Print)). Accessed on <https://www.nepjol.info/index.php/NJS/article/view/18817>
- **Gauli Sirisa & Shrestha Gauri.** (2017). Factors Associated with the Level of Depression Among Elderly Women Residing in Old Age Home of Devighat, Tanuhu. *Nep. J. Stat.*, Vol. 1, pp 29-40, (ISSN:2565-5213(Print)). Accessed on <https://www.nepjol.info/index.php/NJS/article/view/18815>
- **Shrestha Gauri.** (2013). Utilization of Antenatal Health Services: An Application of Ordinal Logistic Regression Model. *Himalayan Scientific Journal*, Vol. 6, pp 35 -40.
- **Shrestha Gauri.** (2013). Factors related to utilization of antenatal care in Nepal: A generalized linear approach. *Journal of Kathmandu Medical College*, Vol. 2, Number 2, Issue 4, April June

pp 69-74, (ISSN:2091-1785(Print), 2091-1793(online)). Accessed on <https://www.nepjol.info/index.php/JKMC/article/view/10629>

- **Shrestha Gauri & Shrestha Ganga.** (2011). Statistical Analysis of Factors Affecting Utilization of Antenatal Care in Nepal. *Nepal Journal of Science and Technology*, Vol. 12, pp 268-275. DOI:10.3126/njst,v12io.6512. , (ISSN:1994-1412(Print)). Accessed on <https://www.nepjol.info/index.php/NJST/article/view/6512>
- **Shrestha Gauri** (2004). Enrollment of Female Students in Higher Education with Special Reference to Tribhuvan University. *NUTA Journal*, Vol.3, No. 3, pp 62 – 71.

c. Books:

- Sthapit Azaya Bikram, Khanal Shankar Prasad, **Shrestha Gauri**, Dangol Prakash Man, Regmi Shisher (2019). *Statistics I for B.Sc. CSIT*, Publisher - Asmita Books Publications & Distributors (P) Ltd, Kathmandu, Nepal, ISBN 978-9937-687-91-1. Website: www.asmitapublication.com.np
- **Shrestha Gauri** (2020). *Statistical Analysis of Maternal Health Behavior Data from DHS*, Publisher – LAP LAMBERT Academic Publishing, 17 Meldrum Street, Beau Bassin 71504, Mauritius, ISBN: 978-620-2-52843-6

d. Reports:

- Team leader (2021). Questionnaire Design and Sample Design for Post enumeration Survey, submitted to *Central Bureau of Statistics*, Thapathali, Kathmandu, Nepal.

PAPER PRESENTATIONS ON SEMINARS/CONFERENCES:

- “Challenges faced by the female scholars in maintaining gender balance in STEM” presented in the seminar *“Policy Intervention to Ameliorate Female Involvement in STEM Education”* organized by the Department of Physics, Amrit College, T.U, supported by International Science Programme, Uppsala University, Sweden, March 03, 2022.
- “Status of Women: A Statistical Approach” presented in the *“2nd Regional Conference for Women in Physics, Nepal”* organized by the Department of Physics, Trichandra College, T.U, March 27 - 29, 2019
- “Influence of Socio-economic and Demographic Variables on Maternal Health Care Service Utilization as Assistance during Delivery: A Multinomial Logistic Regression Model” presented in the *2nd National Conference on Statistics and its Applications* organized by the Central Department of Statistics, September 2-3, 2017.

- “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 (NAST), March 29-31, 2016.
- “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, September 25-27, 2012.
- “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), February 1-2, 2012.
- “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, March 17-19, 2011.
- “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), November 10-12, 2008.

PARTICIPATIONS:

- Training workshop on "2011 SERC school on Multivariable Calculus and Application (2011 Theme: Matrix Methods)" at Centre for Mathematical Science (CMS), South Pala & Hill Area Campus, Kerala, India organized by Department of Science and Technology, Govt of India, New Delhi, April 27 - May 27, 2011.
- National Workshop on “Statistical Applications in Industry, Business, Agriculture and Ecology” conducted by the Department of Statistics, St. Thomas College, Pala, Kerala, March 26-28, 2011.
- 3-day course work on “Non-extensive Statistical Mechanics” by professor Constantino Tsallis from Brazil, conducted at CMS, Pala, Kerala, January 6-8, 2011.
- “International Conference on Mathematical Sciences (ICMS 2011)” in honors of Professor A.M. Mathai, conducted at CMS, Pala, Kerala, January 3-5, 2011.
- National Seminar on “Recent Trends in Mathematical Modelling and Statistical Applications” conducted at Devamatha College, Kuravilangad, Kerala, November 23- 25, 2010.
- 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, July 26-August 13, 2010.
- Training workshop on 2010 SERC School on Multivariable and Matrix Variable Calculus and Statistical Distributions (2010 Theme: Model Building: Stochastic Model)" at Centre for Mathematical Science (CMS), South Pala & Hill Area Campus, Kerala, India organized by Department of Science and Technology, Govt of India, New Delhi, April 12 - May 14, 2010.
- 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), June 21 -23, 2007.

- Training Workshop on “Qualitative Research Methods in Social Sciences” Organized by Dynamic Society Nepal (DSN) on May 12, 2007.
- Training Workshop on "Population Awareness at Regional Level”, Organized by Centre for Economic Development and Administration (CEDA), Ministry of Health and Population (MOHP) from June 11- 16, 2006.
- 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, Dec 1-12, 1997.

FELLOWSHIP/AWARDS:

- **"Nepal Bidhya Bhusan Ka (2016)"** awarded by Honorable President of Nepal on the occasion of National Education Day, Ministry of Education, Government of Nepal
- **"INSA Fellowship (Nov, 2010-April, 2011)"** INSA-NAST under bilateral exchange program for funding research at any university in India for Ph.D scholar.
- **"Ph.D. Fellowship (2008- 2011)"** University Grants Commission (UGC), Nepal.
- **"Shichhya Padak 2004 (National Education Award and Medal)"** Government of Nepal, Ministry of Education.
- **"Nepal Bidhya Bhusan kha (1990)"** awarded by minister of education of Nepal on the occasion of National Education Day, Ministry of Education, Government of Nepal.

COMMITTEE SERVICES:

- Member, Central Department Research Committee (CDRC), Central Department of Statistics, T.U, Nepal, 2016 – 2019
- Member, Statistics Subject Committee, Central Department of Statistics, T.U, Nepal, 2016-2019
- Chair Person, Central Department Research Committee (CDRC), Statistics Subject Committee, Central Department of Statistics, T.U, Nepal, 2020 onward

REVIEWER:

- Evaluation of Mini Research proposals of Research Management Cell of Birendra Multiple Campus
- *Journal of Science and Technology, Institute of Science and Technology, Tribhuvan University, Nepal.*

MEMBERSHIP:

- Member, Women in Science and Technology (WIST), Nepal
- Member, Statistical Society of Nepal

My Publications:

(PROFESSIONAL RESEARCHER IDENTIFICATIONS):

<https://scholar.google.com/citations?user=7IJnAOYAAAAJ&hl=en&oi=ao>