

Neha Raval

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Summary

With eight years of experience in academia in the subject of statistics. Passionate about developing new skills required to be proficient data scientist.

Education

P hD

The M S University, Baroda

2011 – Current

Pursuing P hD in Statistics under faculty of Science , Department of Statistics

M Sc (Statistics)

Department of Statistics, Veer Narmad South Gujarat University

2007 – 2009

With 74.69% (Gold Medalist)

M Sc (Mathematics)

Department of Mathematics, Veer Narmad South Gujarat University

2005 – 2007

With 84.7%

B Sc (Mathematics)

Veer Narmad South Gujarat University, Surat

2002 – 2005

With 81.77% (Gold Medalist)

Additional Qualification

- Certification in Advance course in SPSS from Department of Human Resource Development, VNSGU in 2014
- Certification in Six Sigma Green Belt from Indian Statistical Institute (ISI), Bangalore in 2011
- Certification in Statistical Package for Social Sciences (SPSS) from Sardar Patel University, Vallabh Vidhya Nagar ,Aanand in 2008

Computer Proficiency

- Microsoft Office : Word, Excel, Power point
- Data analytical packages: SPSS, R, SYSTAT, MINITAB, MATLAB

Work Experience

Teaching Assistant

Department of Human Resource Development, Veer Narmad South Gujarat University, Surat

Jul 2011 – Current

Teaching Research Methodology, Labour Statistics, Applied Statistics, Basic Mathematics in different courses like Master of Human Resource Development (MHRD), Master of Labor Welfare (MLW), MA in Human Resource Management (MA in HRM), Five years integrated MA HRD (IHRD) Post Graduate Diploma in Research methodology (PGDRM).

I also teach in Certificate Course in Statistical Package for Social Sciences (CCSPSS) and Certificate Course in Advanced Data analysis using SPSS

Providing guidance in data analysis to the students and researcher from various fields

Visiting lecturer

Sarvajani Collage of Physiotherapy, Surat

Jul 2009 – Current

Teaching Bio-statistics in Bachelor of Physiotherapy (BPT) and Master of Physiotherapy (MPT) courses. Also guiding Bachelor and Master students in their research work

Guest Faculty

Department of Statistics, Surat

Jun 2009 – Apr 2011

Taught Operation Research (OR), Liner Algebra, Time Series Analysis, Statistical Package for Social Sciences (SPSS) in M Sc Statistics and Applied Statistics courses

Field Investigator

Centre for Social Studies , VNSGU, Surat

May 2009 – Jul 2009

Worked as a Field Investigator in the project entitled "*Social Auditing of the Working of Surat Municipal Corporation*"

Special Lectures

- Conducted practice session on factor analysis and cluster analysis in national level workshop on " Research Methodology in Management & Commerce" organized by J Z Shah Arts & H P Desai Commerce College, Amroli, Surat on March 27, 2015
- Conducted practice session on regression analysis and dummy variable analysis in faculty development programme on "Statistical Analysis for Social Science Researchers" organized by Maniben Nanavati Women's College, Mumbai during July 19-26,2014
- Deliver lecture on introduction to SPSS in one day workshop on " Research Methodology and Statistical Analysis using SPSS" organized by Naran Lala college of Commerce & Management, Navsari on July 27, 2013
- Conducted practical sessions on SPSS in the ICSSR, New Delhi sponsored training workshop for the research staff at Center for Social Studies, VNSGU, on March 12-13, 2013
- Conducted sessions on different topics of data analysis in national level training program on " Computer Application in Social Sciences" Center for Social Studies, VNSGU, during May 8-19, 2012
- As a special guest lecturer deliver a lecture on " SQC and Six Sigma" at Department of Statistics, VNSGU on Feb 6, 2012

Publications

- Raval, Neha, & Muralidharan, K. (2016). A Note on 1.5 Sigma Shift in Performance Evaluation. *International Journal of Reliability, Quality and Safety Engineering*, 23(6)
- Muralidharan, K, & Raval, Neha. (2013). Six Sigma: Some Marketing Essentials. *International Journal of Marketing and Human Resource Management*, 4(2), 1-12
- Muralidharan, K, & Raval, Neha. (2012). Estimation of process standard deviation *International Journal of Computational Mathematics and Numerical Simulation*, 5(1-2), 179-186.

Conferences and Seminars attended

- International seminar on contemporary issues in development on December 11, 2016 organized by DHRD, VNSGU, Surat
- Three days workshop on Statistical methods in biomedical research during May 11-13, 2016 organized by National Institute of Occupational Health , Ahmedabad
- National seminar on Role of Statistics in current scenario on March 27, 2016 organized by Department of Statistics, VNSGU, Surat
- International conference on Quality, Reliability, Infocom Technology and Business Operations :Trends and future directions during December 28-30, 2015 organized by University of Delhi.
- One day workshop on cloud computing on October 17, 2015 organized by DHRD, VNSGU, Surat
- Workshop on perspective on research methodology for doctoral students in social sciences during November 27, 2014 organized by DHRD, VNSGU, Surat
- One day workshop on R for beginners during November 15, 2014 organized by DHRD, VNSGU, Surat
- Faculty Development Programme in Human Resource Management Issues during February 23-28, 2015 organized by DHRD, VNSGU, Surat
- International Faculty development programme on Research methodology and Quantitative analysis using SPSS during August 4-9, 2014 organized by DHRD, VNSGU, Surat

- Training programme on Big data Analysis during January 23-25,2014, organized by Wiley, Wrox IT Certifications Institute, USA. at Mumbai
- Training programme on Mathematical Statistics during September 2-6,2013 organized by SVNIT, Surat,
- One day seminar on operational excellence on June 22, 2013, organized by Concept Business Excellence Pvt. Ltd, Vadodara
- National seminar on Recent Trends in Biostatistics and Geomatics on October 13,2012 organized by Department of Statistics, The MSU, Vadodara.
- International Conference on Quality and Reliability Engineering during December 20-22,2011 organized by Indian Statistical Institute, Bangalore
- International Congress on Environmental Research-2011 during December 15-17,2011 organized by SVNIT, Surat.
- XII Annual Conference of the Society of Statistics, Computer and Applications during February 24-26, 2011 organized by National Academy of Agricultural Research Management, Hyderabad.
- International Seminar on "Development and Application of Statistics in emerging areas of Science and Technology" during 8-10 December, 2010 organized by Department of Statistics, University of Jammu.
- National Workshop on "Modern tools in applied Statistics" during 4-7 December, 2010 organized by Department of Statistics, University of Jammu.
- National Seminar on 'Impact of Statistics on Society and Sciences' during 25-26 Feb,2010 organized by Department of Statistics, M G Shah institute of Science , Ahmedabad.
- National seminar on Bio-Statistics and Clinical trials during 19-20 September, 2009 organized by Department of Statistics , The MSU, Vadodara.
- Two days orientation program on 'Quality control and Six sigma' during 22-23 August-2008 organized by Department of Statistics, The MSU, Vadodara
- A stat level Conference on 'Economics and Applied Statistics' on 26th July,2008 organized by S.M.Patel Institute of Commerce, Ahmedabad.
- A university level seminar on statistics on September 29, 2007 organized by ,S.B.Gardacollege,Navsari.
- National Seminar on 'Partial Differential Equation and Scientific Computing' during 23-24 Jan, 2006 organized by Department of Mathematics, VNSGU, Surat.
- Attended 'Gujarat Ganit Mandal' (A yearly State level conference on Mathematics) from 2003-2006 in various parts of Gujarat