Rachana Maharjan

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# Education Bowling Green State University, Ohio, USA

Ph.D. in Statistics August 2022

Dissertation: Simultaneous Inference with Application to Dose-Response Study Advisor: Prof. John Chen

# University of Toledo, Ohio, USA

M.S. in Statistics May 2018

# Tribhuvan University, Nepal

M.Sc. in Statistics May 2014

# Tribhuvan University, Nepal

Bachelor of Science in Statistics May 2012

**Research Interests** Multiple Testing Problem; Simultaneous Inference; Survival analysis.

# Teaching Experience

**Adjunct Faculty** August 2022 - May 2023

Department of Mathematics, Statistics and Computer Science, Augsburg University

* Instructor of Record
	+ DS 164 - Introduction to Statistics (with R) (2 sections) Fall 2022, Spring 2023

**Graduate Teaching Associate** August 2018 - August 2022 Department of Mathematics and Statistics, Bowling Green State University.

* Instructor of Record
	+ MATH 1150 - Introduction to Statistics (1 section) Spring 2022 , (1 section, online) Fall 2021, (2 sections) Spring 2021, Fall 2020, Fall 2019, Spring 2019, Fall 2018.
	+ MATH 1230 - Mathematics to Construction Management and Architecture (Spring 2020).
* Assistant course coordinator
	+ MATH 1150 - Introduction to Statistics, Fall 2021 & Spring 2022

∗ Assisting the course coordinator of MATH 1150.

∗ Modifying course materials, assignments, and exams.

∗ Conducting meetings with other instructors of MATH 1150

∗ Observing other instructors of Math 1150 and providing necessary feedback.

∗ Answering queries of Math 1150 instructors.

* Teaching Assistant
	+ Helped Dr. John Chen by making lecture notes with LATEX, Summer 2021.
	+ Proctoring the Math Placement Exam, Summer 2022

**Graduate Teaching Assistant** August 2016 - May 2018 Department of Mathematics and Statistics, University of Toledo

* Grading assignments, quizzes and exams of undergraduates
* Recitation
* Tutoring

**Assistant Lecturer** July 2015 - August 2016

Department of Statistics, Tri-Chandra College, Nepal

* Teaching Introduction to Statistics to Undergraduates
* Grading Assignments and Quizzes

**Teacher** June 2015 - July 2016

Shahid Smarak College, Nepal

* Teaching Basic Mathematics to Intermediate Students
* Preparing Exams, assignments and quizzes
* Grading assignments, quizzes and exams.

**Awards** • Graduate Excellence in Teaching Award, Bowling Green State University

* J. Robert and G. Overman Graduate Scholarship, Bowling Green State University

**Technical Skills** • Programming Language: R, SAS, Python, SPSS, Minitab

* Application: MS Office, LATEX.

# Field Work Experience

**Supervisor** Sep 2014 - Dec 2014

*Centre for Social Science studies (COSSS), Health Ministry of Nepal*

* Conducted sampling survey and data collection in the far-western places of Nepal.
* Supervised other enumerators while collecting data and managing them.

**Enumerator** May 2014 - July 2014

*Center for Economic Development and Administration (CEDA), Tribhuvan University, Nepal*

* Participated in the follow-up survey called Poverty Alleviation Fund (PAF) by collect- ing data from one of the remote places of Nepal, Jumla, and storing and managing them.