

Salil Koner

Department of Statistics
North Carolina State University
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Employment	North Carolina State University	Fall 2020 - Spring 2021
	Research Assistant Department of Statistics	
	North Carolina State University	Fall 2017 - Spring 2020
	Teaching Assistant Department of Statistics	
	Standard Chartered Modeling and Analytics Center	Jul 2015 - Jul 2017
	Assistant Manager Credit Risk Division Bangalore, India	
Education	Ph.D. in Statistics	Pursuing (Exp Jul 2021)
	North Carolina State University, Raleigh, NC, USA Thesis: Inference Methods in Multivariate and Functional Data Advisors: Ana-Maria Staicu & Jonathan Williams	
	Masters in Statistics	Jun 2015
	Indian Statistical Institute, Kolkata, India	
	B.Sc. in Statistics	Jun 2013
	Ramakrishna Mission Residential College (Autonomous) Narendrapur, Kolkata, India	
Ongoing Research	Koner, S., Park, S.Y., Staicu, A.M. (2021+) "PROFIT: Projection-based Test in Longitudinal Functional Data", <i>Submitted for review</i> . [arxiv]	
	Koner, S., Williams J.W. (2021+) "The EAS approach to variable selection for multivariate response data in high-dimensional settings", <i>Submitted for review</i> . [arxiv]	
	Koner, S., Maity A., Staicu, A.M. (2021+) "PROLIFIC: Projection-based Test for Lack of Importance of Smooth Functional Effect in Crossover Design", <i>In progress</i> .	
	Ghosh D., Koner, S. (2021+) "Application of Projection on RESCAL Algorithm", <i>To be submitted soon</i> .	
Internships	SAS Institute Inc.	Summer 2019
	Graduate Intern Software Development and Testing Team, Cary	

SAS Institute Inc.
Advanced Analytics Graduate Intern
Software Development and Testing Team, Cary

Summer 2020

Teaching Experiences

ST 372, Fall 2017, *Grader*
ST 705, Spring 2018, *Grader*
ST 114, Fall 2018, *Lab Instructor, Grader*
ST 312, Spring 2019, *Grader*
ST 793, Fall 2019, *Lab Instructor, Grader*
ST 308, Spring 2020, *Instructor*
ST 790, Spring 2020, *Grader*

Research Interests

Functional Data Analysis
Longitudinal Data Analysis
Variable Selection
Wearable Data
Multivariate Regression
Fiducial Inference
Relation Learning

Computing Skills

Certified Base SAS programmer. Verification: 0SNCGTD1KEB4QF9D.
Certified Advanced SAS programmer. Verification: KWB3Z2HCCMV1Q5KT.
R (Proficient)
Python (Intermediate)
MATLAB (Basic)
SPSS (Basic)

Other Projects

“Large Scale Inverse Problem with Different Noise Models”
PhD course project, Fall 2018

“Efficacy of Bidalopram on Depression”
PhD course project, Spring 2018

“Photometric LSST Astronomical Time-Series Classification Challenge”
Astronomical Classification, Kaggle Project (2018)

“A Synopsis on Wrapped Exponential and Wrapped Laplace Distributions”
Masters course project, Spring 2015

“Performance of Unincorporated Financial Enterprise in India over 2010-11”
Summer 2014, MOSPI, Central Statistical Office, India

Conference & Presentations

“Statistical Inference for Crossover Design with Functional Responses”
Joint Statistical Meetings, Colorado (2019), Contributed Paper

“PROFIT: Significance Test in Functional Data”
ENAR (2021), Contributed Paper

Honors & Awards

Top 0.1% (rank 12) in National Eligibility Test by UGC, India, 2014.
Top 0.1% (rank 1) in Joint Admission Test by IIT, India, 2013.
Asaktananda award for best performance in Ramakrishna Mission

Residential College, Narendrapur, 2013
Inspire scholarship by DST, 2010.
Top 0.01% (rank 77) in West Bengal Joint Entrance Examination, India, 2010

Organizational Skills MS Excel, MS Word
SQL
L^AT_EX
R Markdown, R Shiny

Languages known English, Bengali, Hindi

Positions of Responsibility Coordinator of Functional Data Analysis lab at NC State
Organizer of festival on behalf of Triangle Bengali Association (2019, 2020)
Represented department of statistics in intramural sports at NCSU (2017-2020)
Project manager at Standard Chartered Bank (2016-2017)
Volunteer at annual festival *Integration* at ISI Kolkata, 2015