Saumya Bhatnagar

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Education

PHD CANDIDATE | 2016-CURRENT | UNIVERSITY OF CINCINNATI
- Major: Statistics. Current GPA 3.92
- Research Area: Solving Large Scale Inverse Problems using Machine Learning (Convolutional Neural Networks)

MASTERS OF SCIENCE | 2015-2017 | UNIVERSITY OF CINCINNATI
- Major: Statistics. GPA 3.91

MASTERS OF SCIENCE | 2011-2013 | NIT ALLAHABAD, INDIA
- Major: Mathematics and Scientific Computing
- Graduated top 3 of my class with Distinction

BACHELORS OF SCIENCE HONORS | 2008-2011 | DEI AGRA, INDIA
- Major: Mathematics, Graduated with Distinction

Skills
- Statistical Analysis including Linear Regression (ANOVA, ANCOVA), Generalized Linear Models, Multiple Linear Regression, Survival Analysis, Time Series Analysis,
- Proficient in SAS and R

Projects

STATISTICAL CONSULTING
- Data analysis and study of factors affecting depression and anxiety among college students

MULTIVARIATE REGRESSION ANALYSIS
- Studied effect of different quantitative variables on the sound pressure levels (SPLs) of NACA 0012 airfoils studied using a multivariate regression approach

DESIGN AND ANALYSIS OF AN EXPERIMENT
- Design and analysis of experiment to study the flight time of a helicopter using factorial design

DISCRIMINANT METHOD ON NEWSGROUP DATASET
- Performed data cleaning and classified documents into predefined categories based on their content

Experience

Course Instructor | 2018-CURRENT
- Course Instructor for Elementary Statistics
- Responsible for designing course content and exams

GRADUATE TEACHING ASSISTANT | 2016-2018
- Conducted recitation sessions for subjects Calculus I and Calculus II
- Performed teaching and grading activities for approximately 120 students