Alokik Mishra

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EDUCATION

MA (Columbia University)   **12/2018**
  Quantitative Methods, Data Science Focus (GPA: 3.8)

BA (Oberlin College)   **05/2015**
  Mathematical Economics (GPA: 3.7)

SKILLS/COURSEWORK

Software: Python ; R ; Stata ; SPSS ; Matlab ; SQL ; Tableau, UNIX ; QGIS ; ODK/SurveyCTO ; Latex ; Excel ; Access
Language: English ; Hindi ; Urdu ; Spanish (Intermediate) ; Arabic (Beginner)
Testing: GRE (quant) – 170/170 ; SAT (math) – 770/800
Relevant Coursework: Machine Learning; Deep Learning; Natural Language Processing; Advanced Econometrics; Real Analysis; Statistical Methods for Finance; GIS Analysis; Data Visualization

WORK EXPERIENCE

Statistical Research Assistant   **09/2017 to Current**
- RA for Dr. Jonas Hjort - Business School, Columbia   01/2018 to Current
    - Conducted data analysis on a project studying the Nairobi Stock Exchange. Utilized high dimensional fixed effects models, diff-in-diffs, natural language processing, time-series regression, and model identification for causal inference. Programming in Python, Stata, and UNIX.
    - Currently co-authoring a paper on immigration and labor outcomes in South Africa.
- RA for Dr. Bruce Kogut - Business School, Columbia   02/2018 to 06/2018
    - Utilized network theory, machine learning techniques, including Poisson matrix factorization, and Bayesian graphical networks, to create a predictive model for identifying social enterprises. Programming in Python and R.
    - Acquired data through open APIs and web scraping.
- RA for Dr. Paul Lagunes - SIPA, Columbia   09/2017 to 12/2017
    - Utilized statistical techniques including survival analysis for two field experiments in New York City and Peru.
    - Performed quantitative and qualitative checks for spillover and displacement effects. Programming in R.

Summer Research Assistant   **06/2018 to 08/2018**
Graduate School of Business - Columbia University, New York, NY
- Highly selective GSB summer program
    - Conducted economic and financial analysis using big data and distributed systems
    - Attended seminars from top business school faculty on research methodology

Senior Data Research Associate   **06/2015 to 07/2017**
Jameel Poverty Action Lab - South Asia, Bangalore, India
- Projects include randomized control trial with the following faculty *:*
    - Dr. Arun Chandrasekhar (Stanford); Dr. Benjamin Golub (Harvard); Dr. Abhijit Banerjee (MIT), Dr. Emily Breza (Harvard); Dr. Esther Duflo (MIT), Dr. Matt Jackson (Stanford)
- Designed and created experimental setup and survey instruments using SurveyCTO and ODK programming.
- Programmed in Matlab and Stata for data analysis, producing publication quality regression tables and graphs/plots, along with exploratory data analysis.
- Assisted in drafting of a paper under revise and resubmit status from a prestigious economics peer reviewed journal.
- Assisted in network analysis utilizing Matlab and working with toolkits.

Investment Analysis Intern   **12/2014 to 01/2015**
The Riverside Company – Private Equity, Cleveland, OH
- Worked with Micro-cap Fund II, doing due diligence on potential acquisitions.
- Applied proprietary models to value various acquisitions based on revenue and EBITDA.
- Utilized industry economic analysis to study prospects for organic growth

Undergraduate Research Assistant   **06/2014 to 05/2015**
Oberlin College – Department of Economics, Oberlin, OH
- Researched health, education, and labor economics with Dr. Martin Saavedra
- Conducted data mining and literature review using databases including IPUMS and ICPSR