

Prabhsimran “Simran” Singh

25 Leffert Street
Carteret, NJ 07008

psimran.singh@gmail.com
732.407.4530

EDUCATION

Rutgers University | Bloustein School, New Brunswick, NJ
Master of Public Informatics

September 2021-Present

Wesleyan University, Middletown, CT

May 2018

Bachelor of Arts | GPA: 3.65/4.00

Double Major: Economics, Mathematics | Certificate: International Relations

Relevant Coursework:

Applied Data Analysis

Modeling and Statistical Analysis

Econometrics

Mathematical Probability

Abstract Algebra

Discrete Mathematics

WORK EXPERIENCE

Rutgers University | Center for Green Building, New Brunswick, NJ
Research Assistant

October 2021-Present

- Assist Professor Clinton Andrews with various statistical analyses focused on energy use and green buildings.
- Performed data management and executed regression analyses to calculate demand reduction of induced price effects (DRIPE) for potential energy efficiency program in NJ (ongoing project with New Jersey Board of Public Utilities).

Verisk Financial | Argus, White Plains, NY

June 2018-November 2019

Associate | Client Modeling and Solutions Team

- Developed data-driven portfolio management analyses for clients in the payments space using Argus' proprietary database of industry-wide consumer and small-business credit/deposit transactions.
- Executed quantitative analyses through the manipulation of large relational datasets to investigate customer behavior and compare client performance to custom benchmarks, followed by the translation of data insights into concise business solutions and recommendations on competitive strategy and client marketing.
- Built brand-new credit line assignment analysis for major card issuer, beginning with interpretation of client goals into operable data analysis methodology and ending with multi-phase deliverable consisting of automated spreadsheet tools, management presentation highlighting key findings, and detailed credit line assignment matrix that would be adopted as the client's primary assignment strategy. New strategy projected to deter up to \$8 million in losses for the client.

Wesleyan University Quantitative Analysis Center, Middletown, CT

Summer 2017

Research Assistant | Quantitative Analysis Apprentice

- Analyzed national survey data on drug use to examine the association between marijuana and nicotine dependence using coefficient-varying effects models for working paper on behalf of Professors Lisa Dierker and Jennifer Rose.
- Performed data management using SAS and Stata, researched and wrote literature review examining mechanisms of marijuana dependence, ran and analyzed coefficient-varying effects models in SAS, and presented results during poster session.
- Selected to participate in intensive 10-week data science apprenticeship, program consisted 4-day data science boot camp and daily workshops on advanced statistical techniques in R, Stata, and SAS.

University of Pennsylvania, Philadelphia, PA

Summer 2016 - Winter 2016

Research Assistant

- Assisted Professors Supreet Kaur and Heather Schofield on an experiment that examined the effect of tablet-based math assignments on the academic performance of schoolchildren in Punjab, India.
- Researched, wrote, and presented a detailed review of ADD/ADHD diagnostic tests that surveyed relevant literature, presentation of test results, time constraints, cost feasibility, and general suitability for the experiment.

SKILLS & INTERESTS

Languages: Fluency in Punjabi (Native), Proficiency in Spanish and Hindi

Programming Skills: Advanced Proficiency in SQL; Proficiency in R, SAS, Stata, Python

Productivity Software: Advanced Proficiency of Word, PowerPoint, and Excel

Interests: Energy Policy, Sustainability, Social Justice & Equity