

RIDHIKA AGRAWAL

<http://ridhikaagrawal.com>

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EDUCATION

Grinnell College

Grinnell, IA

Bachelor of Arts in Mathematics; Bachelor of Arts in Economics

Expected May 2020

- GPA: 3.62/4.00, Dean's List (Spring 2018)
- **Coursework:** Microeconomics, Econometrics, Time Series, Macroeconomics, Applied Statistics

Vrije Universiteit, Amsterdam, Netherlands

Aug. 2018 - Present

HBX CORE | Harvard Business School

Jun. 2018 - Aug. 2018

- Comprised of three courses: Business Analytics, Economics for Managers, and Financial Accounting

WORK EXPERIENCE

Statistics Researcher; Advisor: Dr. Jeffrey Jonkman

Grinnell, IA

Math and Statistics Department, Grinnell College

May 2018 - Aug. 2018

Research Project: "Varenicline for the Treatment of Alcohol Use Disorder: A Systematic Review and Meta-Analysis"

- Conducted meta-analysis using R to test efficacy of smoking cessation drug as cure for alcohol dependence
- Reviewed experiments for uniformity in methodology to account for biases to make conclusions generalizable
- Identified significant outcomes and 5 possible covariates (ex. gender) to extract relevant statistical estimates
- Constructed 70 random effects, random effects binomial and mixed effects models for a thorough analysis

Data Analysis Intern

Mumbai, India

Ghaswala Foundation, Charitable Fund

Jun. 2017 - Aug. 2017

- Created and carefully maintained database in Microsoft Excel of over 200 patients requiring unique eye-care
- Designed and proofread demographics surveys of patients to recognize target group to increase efficiency
- Initiated proposal for managerial changes to improve outreach to low-income families based on data
- Attended bi-weekly team meetings to brainstorm ideas for publicity on social media platforms and fundraising

ACADEMIC RESEARCH

Math and Statistics Department, Grinnell College; Advisor: Dr. Jeffrey Jonkman

Jan. 2018 - May 2018

"Factors Surrounding Suicide Rates Across Countries"

- Extracted data from databases and cleaned it using R to explore suicide rates across countries
- Constructed multivariate regression model and conducted ANOVA tests of five factors affecting suicide rates
- Evaluated various data visualization techniques (ex. scatterplots) to depict data in clear and concise manner

Economics Department, Grinnell College; Advisor: Dr. Stella Chan

Aug. 2017 – Dec. 2017

"A Little Mix of Perspiration and a Whole lot of Inspiration: A South Korean Story"

- Analyzed real data on growth performance of South Korea based on modified version of Solow growth model
- Collaborated with fellow undergraduate to explain impact of major episodes of economic boom and bust (Oil Crisis of 1970 and Asian Financial Crisis of 1996) in South Korea using extensions of the IS-LM model

LEADERSHIP EXPERIENCE

Treasurer

Grinnell, IA

International Student Organization, Grinnell College

Aug. 2017 - May 2018

- Oversaw financial planning of \$10,000 for campus-wide events to enhance international student experiences
- Presented proposals for major expenditures and developed innovative strategies for obtaining funds

Macroeconomics Teaching Assistant

Grinnell, IA

Grinnell College, Economics and Mathematics Department

Jan. 2018 - May 2018

- Liaised with professor to corrected coursework of students enrolled in Macroeconomic Analysis
- Assisted with giving detailed feedback to students to help them better understand critical concepts

Financial Analyst, Pioneer Capital Investments

Aug. 2016 - May 2018

Volunteer, Food Recovery Network

Aug. 2016 - Dec. 2018

Journalist, Scarlet & Black Newspaper

Aug. 2016 - Dec. 2016

SKILLS

- **Software:** R, Microsoft Office Suite, Tableau, Minitab, STATA, Eviews, LaTeX
- **Language:** English (Fluent), Hindi (Fluent), Spanish (Basic)
- **Interests:** Dance choreography, Soccer, Travel blogging, Book collecting, Poetry writing