**Jiarui (Lydia) Cao**

[jiarui.cao@kellogg.northwestern.edu](mailto:jiarui.cao@kellogg.northwestern.edu), 857-204-9462

**EDUCATION**

**Boston College, Morrissey College of Arts and Sciences** Chestnut Hill, MA

Bachelor of Science, Mathematics and Economics, Magna Cum Laude, Phi Beta Kappa May 2019

GPA: 3.82/4.00

Major GPA: 3.93/4.00 for Mathematics, 3.88/4.00 for Economics

GRE: Verbal 168/170, Math 170/170

**HONORS AND AWARDS**

**Dean’s List First Honors**

Fall 2015, Fall 2016, Spring & Fall 2017, Spring 2018 & Fall 2018, Spring 2019

**Dean’s Scholars Award** (awarded to 56 out of 1461 students) May 2018

**RESEARCH EXPERIENCE**

**Kellogg School of Management, Northwestern University,** Evanston, IL Aug 2019 - Present

*Empirical Research Fellow*

• Provide research assistance to a group of faculty members for multiple research projects on firm dynamics, productivity, innovation, and personnel economics (add topic)

• Work closely with a wide range of raw data, for the purposes of preprocessing, assessing data quality, and combining multiple data sources

• Perform data mining, data visualization, and various regression tasks with Stata on high performance computing system

• Code up web scraping programs with Python to collect data for projects that utilize historical information

• Review literature and proofread academic papers

**Boston College Department of Economics,** Chestnut Hill, MA May 2018 - March 2019

*Undergraduate Research Assistant*

• Investigated major television advertisers’ strategies and outcomes across various media conglomerates and industries, through creating a series of descriptive statistics and graphs with Stata

• Gathered, compiled, and cleaned up advertising expenditure data of top 100 advertisers from 1960 to 1995 with Excel, VBA, and Python, collaborating with other RAs

• Matched company names over the past 30 years by researching into their merger and acquisition records, in order to align the data of different years on the parent company’s level

**Boston College Department of Economics,** Chestnut Hill, MA September 2017 - May 2018

*Undergraduate Research Assistant*

• Collected relevant data from multiple economic databases and prepared them for analysis

• Contributed to the empirical evidence update of a faculty member’s work on complementarity between consumption and labor, by estimating the model in the paper and checking its robustness

• Organized and formatted the final outputs with Stata programs; compared the results with those obtained in the past, and explored why the differences existed

**RESEARCH EXPERIENCE**

**U.S. TV Advertising** September 2018 - May 2019

Senior Thesis.

**Retirement on Health Outcome**

Class project for Health Economics.

**OTHER EXPERIENCE**

**Audit Intern, KPMG Beijing Office**  July 2017

• Assisted in conducting KPMG’s interim audit at China Huaneng Group, one of the five largest state-owned electric utility enterprises in China

**Member, Boston College Madrigal Singers**February 2017 - May 2019

• Perform two concerts open to all students and neighbor communities every semester with 15 other members, featuring renaissance music; also perform at other events, such as Morning Show at NBC Boston

**International Assistant, Boston College International Assistant Program** August 2016 - May 2017

• Facilitated the International Student Orientation, mentored 4 international students and coordinated monthly events for international students

**SOFTWARE SKILLS**

Stata, Python, Java, Ocaml, LaTeX, Excel, MATLAB;