1. Name (first and last)

Text Response	
Jia Li Dong	

Statistic	Value
Total Responses	1

2. Email

Text Response	
jd1497@georgetown.edu	

Statistic	Value
Total Responses	1

3. Contact Phone

Text Response	
2023681182	

Statistic	Value
Total Responses	1

4. In Fall 2018 you will consider yourself to be a:

#	Answer	Bar	Response	%
1	VT Freshmen Undergraduate Student		0	0%
2	VT Sophomore Undergraduate Student		0	0%
3	VT Junior Undergraduate Student		0	0%
4	VT Senior Undergraduate Student		0	0%
5	Between Undergrad and Graduate school		0	0%
6	Graduate school	████████	1	100%
	Total		1	

Statistic	Value
Min Value	6
Max Value	6
Mean	6.00
Variance	0.00
Standard Deviation	0.00
Total Responses	1

5. What degree(s) and major(s) are you pursuing along with institution?

Text Response
M.S. in Mathematics and Statistics at Georgetown University

Statistic	Value
Total Responses	1

6. List any Minors you are pursuing.

Text Response
N/A

Statistic	Value
Total Responses	1

7. List any honors and/or awards received:

Text Response
Gates Millennium Scholarship, Summer Undergraduate Research Fellowship, National Honors Society

Statistic	Value
Total Responses	1

8. Currently we have 1 program accepting applications which includes:

#	Answer		Total Responses
15	Data Science for the Public Good	0	0
	Total	0	-

Statistic	Data Science for the Public Good
Min Value	-
Max Value	-
Mean	0.00
Variance	0.00
Standard Deviation	0.00
Total Responses	-

9. Essay (up to 500 words): "What do you want to get out of this experience?"

Text Response
I wanted to participate in laboratory research project activities because I am interested in industrial innovation and public health. I wanted to learn how to use data sciences, including mathematics and statistics, to maintain sustainability and efficiency in a community. Through this experience, I hope to increase my statistical analysis knowledge and my interest in research work, along with finding solutions for industrial challenges. Not only would I gain an insight into how community leaders and governments make decisions and address issues at a local, state, and domestic level using data sciences that we provide, but also be comfortable connecting with government agencies, since I worked with many of them in the past. I enjoyed what the Data Science for Public Good program has to offer, including their world-class training, professional support, and national network to let fellows gain an insight into academia, government, and industry through organized events and hearings. In addition, it allows fellows to train on their statistical computing skills such as Python and R, along with assigning a mentor to help with research along the way.

Statistic	Value
Total Responses	1

10. Essay (up to 500 words): "Please describe any previous research experience and/or work experience you may have."

Text Response
I have previous research experience in the Georgetown McDonough School of Business when I received the Summer Undergraduate Research Fellowship researching and investigating the difference between the role that different cultures play on foodborne illnesses and bacteria inside food that cause different sicknesses in humans. For this research project, I collaborated with other research assistants of Professor Czinkota to determine similarities and differences in food safety regulation standards for developed, developing, and third-world countries and gathered different quantitative sources of foodborne illnesses, foodborne deaths, purchasing power parity, and economy size of different countries and sorting them into Excel files for better quantitative and qualitative comparison. In addition, I have other work experiences. In the DC Department of Small and Local Businesses, I collaborated with a team of coworkers in the development of the ExportDC Project to connect small businesses to international agents interested in becoming more environmental-friendly and sorted out contract forms including recertification materials of local small businesses and inserting budgets though Excel that the government granted to each nonprofit organization. My work experiences in the DC Department of Transportation include collaborating with other members of DDOT to implement the DC Power Line Undergrounding Project (DC PLUG) by drafting for the expenses for the first three years and coordinate meetings with the commissioner to discuss confidential budgets and project implementation, using Geographical Informational System to geo-reference maps from other utilities to better plan coordination of the undergrounding line and feeder, using CycloMedia to interpret manhole size and area, and collecting data and calculating costs for feeders to present to the public. As an intern in the Downtown DC Business Improvement District, I worked with members of Finance Department to complete month-end processing and complete accounting recording cycle, processed payrolls for employees and handle cash receipts from Business Improvement District Tax Payments, recorded fees and service charges using accounting methods, calculated for costs of multiple supplies in purchase order form to determine investments for different items, determined and issued reimbursements for other employees, accounting for local, meal, and travel expenses, checked for mistakes on fixed assets and account for the additions and disposals of property, plant, and equipment, and filed and processed invoices and checks and checked for mistakes on revenue sources. My most recent work experience would be working at the Department of Insurance, Banking, and Securities as a Risk Management Analyst by completing all necessary preparation and communication (in-person, via Twitter or Instagram as needed) before, during, and after the series with other coworkers, cofacilitators, and community partners, improving network advocacy project by geocoding all DC physician addresses and metro stations into geographical coordinates to deduce DC physicians that locate within 0.5 miles' radius of a metro station, and overseeing factors in DC pet insurance companies and use generalized linear model for insurance ratings to check whether companies meet government guidelines for their specified insurance rates.

Statistic	Value
Total Responses	1

11. Essay (up to 500 words): "Please describe your background (courses taken, research projects, etc.) in statistics and mathematics."

Text Response

I have taken courses in Mathematics and Statistics, such as Multivariable Calculus, Linear Algebra, Business Statistics, Probability, Deterministic Methods of Applied Mathematics, and Mathematical and Statistical Computing. I am currently taking Financial Mathematics, Intro to Statistical Learning, and Mathematical Statistics.

Statistic	Value
Total Responses	1

12. Essay (up to 500 words): "Please describe your background (courses taken, research projects, etc.) in social and behavioral sciences."

Text Response

I have taken courses in Strategic Management, Microeconomics, Macroeconomics, Business Ethics, Managerial Science, and Behavioral and Organizational Management. Strategic Management, Managerial Science, Business Ethics, and Behavioral and Organizational are all related to business and behavioral sciences, whereas Microeconomics and Macroeconomics are a part of social sciences.

Statistic	Value
Total Responses	1

13. Essay (up to 500 words): "Please describe your background in programming."

Text Response

I have learned programming MATLAB and LaTex in Linear Algebra, and I have improved my MATLAB knowledge skills through the course Deterministic Methods of Applied Mathematics, where I generate 2D and 3D graphic models such as mesh, surf, and contour plots, solve using collocation methods, and program with bisection methods and for loops, and use functions to manipulate matrices. In addition, I have learned SAS, R, and Python in Mathematical and Statistical Computing, including Regex and SQL, and am taking courses this semester, specifically Intro to Statistical Learning, to improve my understanding and skills in R. For Python, I've learned object oriented programming to usage of regular expressions, pandas, and graphing. For R, I am currently in the process of learning image processing and analysis, and will continue to improve on other sectors of R that I am unfamiliar with.

Statistic	Value
Total Responses	1

14. Essay (up to 500 words): "Please provide information about other significant courses you have taken within your field of study."

Text Response

I am now taking financial mathematics, mathematical statistics, and intro to statistical learning, aiming to learn a continuation for R and Python to improve my skills. I have also taken Derivatives and Financial Markets, Financial Modeling and Analysis, and Operational Management, which are finance courses dealing with modeling stock market and bond trends, analyzing the profitability of options, derivative, stocks, and bonds, the benefits of taking on a certain project at a given period of time, and the optimization of an operating chain. I've taken Marketing Across the Borders, which is fundamental to analyzing behavioral trends of consumers and differences in conducting businesses in different cultures and settings.

Statistic	Value
Total Responses	1

15. Please list the name and contact information for 2 references (teachers, mentors, or employers) that we will contact for a letter of reference/brief survey. Please make sure you list the correct email and they know we will be contacting them soon (within the next week). Only 2 references will be contacted; do not list more than 2.

Text Response

Ken Shaw, Director of Graduate Studies in Mathematics and Statistics and Professor of Mathematics and Statistics at Georgetown University, email: jks49@georgetown.edu , phone: 202-687-5260. Second reference: David Caraballo, Professor of Mathematics and Statistics at Georgetown University, email: dgc3@georgetown.edu

Statistic	Value
Total Responses	1