+86-177-3209-9175   **MING LUO**   1627632325@qq.com

EDUCATION

Mechanicsburg, PA   **Messiah University**   **Fall 2015 – Spring 2018**

- B.A. in Mathematics with Honors.
- Undergraduate Concentration: Data Analysis, Statistics, Data-oriented Programming.

Seoul, South Korea   **Korea University**   **Fall 2017**

- Study abroad.
- Courseworks: Mathematical Statistics, Numerical Analysis.

EMPLOYMENT

Research Assistant, Business   **Society of Actuaries (SOA) China Office**   **December 2019-April 2020**

- Conducted an individual research on SOA International Discount Program with selected over 600 datasets, research report has been submitted to SOA as future program guidance.
- Constructed and maintained 4 databases with classification and labeling system based on timeline and sources for SOA research references in life and general insurance industries.
- Created summaries for journals regarding international actuarial field leaders' perspectives on insurance development, risk management and published on SOA China official social media account.

Tutor, Academic   **Messiah University**   **January 2017- May 2018**

- Developed customizable tutoring and instructional approaches to cater students under different grades, cultural background, and academic levels.
- Tutored in Mathematics subject and guided students in notetaking, assignment Q&A, exam preparation, and test-taking strategies.
- Ensured one high school student who applied to Harrisburg Area Community College to improve performance on college admission exam.
- Elevated undergraduate Business major student performance in Mathematics subject which helped students under probation status due to low GPA to at least C letter grade.

RESEARCH EXPERIENCE

Business Research

SOA International Examination Fee Discount Program
- Set standard for data collection for broad online databases.
- Created an individual research report with 30 more slides with more than 600 supportive data and 11 citations.
- Established new benchmarks with statistical analysis on the updates of the qualified countries list and discount rates.

COVID-19 and Pandemic Impact
- Created summaries for 10 research papers from the insurance industry and research institutions on the impact of COVID-19 on world-wide economy and risk management and adjustment under pandemic occasion.
- Constructed presentations to SOA Lead China Representative according to the papers.

Individual Study

Series Solutions of Linear Equations
· Summarized the definition of Power Series by providing a concise review on *A First Course in Differential Equations, 10th Edition*.
· Developed creative questions to illustrate singular points of linear second-order equations in the form of power series with the application of Frobenius' Theorem.
· Performed a 20-minute presentation during academic seminar *Fifteenth Annual Symposium of the School of Science, Engineering and Health* on Messiah University Department of Mathematics.
· https://github.com/ml1378/research/

CERTIFICATES AND SKILLS

Society of Actuarial Exams

· Probability (November 2018)
· Financial Mathematics (February 2019)
· Short-Term Actuarial Mathematics (February 2019)
· Corporate Finance (July 2019)
· Mathematical Statistics (January 2020)
· Macroeconomics (waived by approval)

Skills

· Python; Minitab; Maple; Microsoft Office; R
· Mandarin (Native); English (Fluent, TEM4)
· Data Science Specialization (JHU Coursera)