MENGRAN LI

Currently searching for a PhD position in statistics

🎓 EDUCATION

Jan 2021
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Jan 2022

University of Glasgow
MSc in Statistics 📍 Glasgow, Scotland, UK

Sep 2015
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Jul 2019

Southwestern University of Finance and Economics
BSc in Statistics (Science) 📍 Chengdu, China

GPA: 3.2/5.0 Major GPA: 3.5/5.0

Thesis: Analysis of public opinion heat and emotion based on Hidden Markov model

Sep 2017
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Jul 2019

Southwestern University of Finance and Economics
BSc in Finance (Double degree) 📍 Chengdu, China

Thesis: Performance evaluation of fund managers

💻 PROJECT EXPERIENCE

2021

Research on Extreme Values of Streamflow in the U.S.A
Assistant 📍 Glasgow, Scotland, UK

• Exploratory data analysis (EDA):

Summary statistics, kernel smoothing, expected shortfall were applied to extract meaningful information from the data, detect patterns, etc. Hydorlogic maps were drawn by a R package leaflet and the feature of streamflow data was presented through R packages animate. R packages data.table and tidyverse were used to data processing.

• Non-stationary GEV models

The nsGEV model was applied to identify the trends of hydrological extremes and estimate the resolution of return levels in the U.S.A. The Uncertainty assessment was determined via bootstrapping. They were realised through R programming.

Jul 2017
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Nov 2018

National Social Science Fund Project
Data Analysis 📍 Chengdu, China

• Participating in the national social science foundation project "research on tort relief of malicious claims".
• Being responsible for building model and data analysis.

CONTACT INFO

- ✉ 2592713L@gla.student.ac.uk
- ⌱ github.com/MengranLi-git
- 📞 +44 757-991-0542
- For more information, please contact me via email.

SKILLS

Computational statistics

Extreme value theory

Data wrangling

Data visualization

Interactive report

Expert in R and R Studio

Github

LaTex

Some Python and Matlab

Jan 2018

American Mathematical Modelling Contest
Modeller
• Building mathematical models
• Assisted in programming, part of the chart drawing, paper writing.
• Won the second prize.

Oct 2017
|
Dec 2017

Statistical Modeling Contest
Team Leader
• Predicting the default behavior of telecom users.

Oct 2016
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Mar 2017

Real Function Theory Textbook Revision
Assistant   ♀ Chengdu, China
• Assisting the professor in revising the real function theory textbook.
• This work built my sound theoretical foundation in real functions.