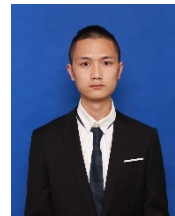


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学习与技能

电子科技大学经济与管理学院 “互联网+” 金融

2018.09-2022.06

- 专业排名: 4 / 26 前 5 学期学位学分绩: 3.84 / 4
- 英语能力: CET-6: 569 CET-4: 572
- 相关课程: 金融数学 (92)、概率论与数理统计 (92)、互联网思维与运用 (92)、金融学基础 (90)
- 获奖情况: 国家励志奖学金(4%), 全国大学生数学建模竞赛省一等奖, 美国大学生数学建模竞赛三等奖, 全国大学生电子商务“创新、创意及创业”挑战赛省三等奖

电子科技大学经济与管理学院 “互联网+” 计算机辅修

2018.09-2022.06

- 相关课程: 计算机组成与结构 (93)、数据挖掘与大数据分析 (92)、程序设计基础 (88)

实习实践

成都数之联科技有限公司——智慧工业事业部

2019.07 – 2019.08

- 在前辈指导下, 完成根据玻璃工业流水生产线上拍摄的照片进行残次品检查的工作, 根据检查结果编写程序将其分类到对应文件夹, 并汇总图片数据完成图表统计; 工作得到前辈充分认可

新加坡国立大学访学交流

2019.08 – 2019.08

- 前往新加坡国立大学进行访学交流活动, 学习创新管理等课程; 学习之余参加新国立举办的创新管理项目比赛, 与队友合作最终赢得比赛, 扩展了自身的国际视野

Roblox 游戏制作

2020.03—2020.06

- 参加校企合作课程腾讯-电子科大 Roblox 三维游戏设计, 采用 Roblox 游戏引擎制作游戏“清水河行动”, 获得官方游戏作品征集活动之百名冲刺奖项

科研经历

课题项目《基于 Logistic 模型的中美两国疫情分析》

2020.09-2021.01

项目主要负责人

- 采用 Wind 新冠疫情板块数据库数据, 构造 Logistic 和 SIR 计量回归模型以及对应的变点检测, 从实证角度分析了中美两国疫情的发展情况
- 研究结果表明 Logistic 模型的效果更好, 而 SIR 由于模型具有多重共线性导致偏离实际情况; 结果显示中国前半段时期疫情发展不稳定, 而后半段时期疫情防控措施有效且稳定, 对比而言美国疫情的发展形势则更为严峻

课题项目《基于 TWLS 模型和 ARIMA 模型的股票收益预测》

2020.09-2021.01

项目主要负责人

- 以 Amit Goyal(2008)的数据为基础, 复现 Yudong Wang(2020)提出的 TWLS 预测模型, 并用 OLS 预测模型和 ARIMA 预测模型的结果与其对比, 同时探讨单变量预测与组合预测的效果
- 研究表明, 利用单变量 TWLS 模型的预测组合回报可重复性在统计上和经济上都有一定的显著性; 预测特征投资组合收益时, TWLS 估计具有比 OLS 估计更强的回报可预测性; ARIMA 虽是典型的时间序列模型, 但预测效果不及 TWLS

实证论文《基于 Bootstrap 算法的多国 Logistic 增长率指标与变点检验》

2020.01-2020.12

第一作者

- 采用约翰斯·霍普金斯 Github 上实时更新的疫情数据, 使用 Logistic 函数的增长率指标衡量国家疫情发展情况, 并同时估计增长率的变点参数, 检测不同时间上增长率的变化差异, 最后结合 Bootstrap 算法构造置信区间建立回归模型
- 研究结果表明, 不同地区的国家疫情爆发的先后时间不同, 而不同地区的国家疫情发展也不同步; 结果表明增长率的置信区间大部分不包含 x 轴, 证实模型具有统计学意义, 同时增长率与变点参数几乎同步变化, 因此说明模型具备准确性和可靠性

兴趣爱好

- 编程: 熟悉 Python, Matlab 等软件, 在各项比赛或项目中主要担任编程工作
- 视频制作: 熟悉 PR 和必剪等视频剪辑软件, 曾为成都 80 比赛和互联网思维课程项目录制、剪辑视频

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Learning

School of Economics and Management, University of Electronic Science and Technology of China

"Internet +" Finance, Major

2018.09-2022.06

- **Professional ranking:** 4/26 GPA: 3.84 / 4
- **English ability:** CET-6: 569 CET-4: 572
- **Related courses:** Financial Mathematics (92), Probability Theory and Mathematical Statistics (92), Internet Thinking and Application (92), Fundamentals of Finance (90)
- **Awards:** National Encouragement Scholarship (4%), the provincial first prize of the National College Student Mathematical Contest in Modeling, the third prize of the American College Student Mathematical Contest in Modeling, the third prize of the National College Student E-commerce "Innovation, Creativity and Entrepreneurship" Challenge

School of Economics and Management, University of Electronic Science and Technology of China

"Internet +" Computer, Minor

2018.09-2022.06

- **Related courses:** Computer composition and structure (93), Data mining and big data analysis (92)

Internship&Practice

Chengdu Shuzhilian Technology Co., Ltd. Smart Industrial Division

2019.07-2019.08

- Completed the inspection of defective products based on the photos taken on the glass industry assembly line under the guidance of the seniors, compiled the program according to the inspection results and classified them into corresponding folders, and summarized the picture data to complete the chart statistics; The work was highly appreciated by the seniors

National University of Singapore Visiting Exchange

2019.08-2019.08

- Went to the National University of Singapore to conduct visits and exchange activities, learnt innovation management courses; Participated in the innovation management project competition, cooperated with teammates and finally won the competition

Roblox game production

2020.03-2020.06

- Participated in the school-enterprise cooperation course Tencent-Electronics University Roblox three-dimensional game design, used Roblox game engine to make the game "Clear Water River" and won the official game works call for 100 sprint awards

Research

The subject project "Analysis of the Epidemics in China and the U.S. Based on the Logistic Model"

Project leader

2020.09-2021.01

- Using data from the Wind COVID-19 plate database, constructing Logistic and SIR quantitative regression models and corresponding change point detection, analyzed the development of the epidemic situation in China and the US from an empirical perspective
- The results of the study show that the Logistic model is more effective, while the SIR deviates from the actual situation due to the multicollinearity of the model; It's revealed that the development of the epidemic in China was unstable in the first half of the period, while the epidemic prevention and control measures in the second half were effective and stable; In contrast, the United States' situation of the epidemic is still more severe

The subject project "Prediction of Stock Return Based on TWLS Model and ARIMA Model"

Project leader

2020.09-2021.01

- Reproduced the TWLS prediction model proposed by Yudong Wang (2020) based on the data of Amit Goyal (2008) and compared the results of the OLS prediction model with the ARIMA prediction model to discuss the effects of two types of predictions
- Results show that the repeatability of the predicted portfolio returns using the univariate TWLS model is statistically and economically significant; When predicting the return of characteristic portfolios, TWLS estimates have stronger return predictability than OLS estimates; Although ARIMA is a typical time series model, the forecasting effect is not as good as TWLS

Empirical paper *Multi-Country Logistic Growth Rate Index and Change Point Test Based on Bootstrap Algorithm*

First author

2020.01-2020.12

- Using the real-time update of the epidemic data on Johns Hopkins Github, applied the growth rate index of the Logistic function to measure the development of the national epidemic situation and estimated the change point parameter of the growth rate at the same time to detect the difference in the growth rate at different times; Combined Bootstrap algorithm to construct confidence interval and establish regression model
- It confirms that the time of outbreak of the national epidemic is different across regions, and the development of national epidemics in different regions is not synchronized; The results show that most of the confidence interval of the growth rate does not include the x-axis, demonstrating that the model is statistically significant, and the growth rate is at the same time; The parameters change almost synchronously with the change point, so the model is also accurate and reliable

Hobby

- **Programming:** Familiar with Python, Matlab and other software, in charge of programming in competitions and projects
- **Video production:** Frequent user of video editing software such as PR and must-cut, and used to record and edit videos for the Chengdu 80 competition and the course projects of Internet thought