Hu, Jinzhi

(*Jerry Hu, Hú Jǐnzhì*)
中文版本在后 (点此前往)

hujinzhi.com goodluckjinzhihu contact@hujinzhi.com, hu.jinzhi@outlook.com

Education

Bachelor of Mathematics September, 2021–August, 2025 (estimated)

University of Waterloo Ontario, Canada

- Computational Mathematics Major

- Combinatorics and Optimization Minor

- Economics Minor

Currently in the 4B term with a cumulative GPA of 86.95/100 (excellent standing).
With six term distinctions out of seven full-time terms.

Skills

Programming languages: `Python` (`Pandas` and data processing, API use, linear/nonlinear optimization, and basic programming), `R` (data analysis, and Stochastic processing), `C` (basic programming), `Bash` (basic usage), Matlab (linear/nonlinear optimization, and basic analysis on matrix)

Technical skills: Statistics and probability, Non-linear optimization, SQL, PyTorch, PySpark, Operations research models (OR-models), Combinatorics, Stochastic process, Brownian motion, Itô calculus, Black-Scholes equations, Stochastic differential equations, Business finance basics (Interest and debt, β, IPO, Call/Put options), Simulations on financial markets using statical models, Variance reduction techniques.

OS: Linux (familiar with `Ubuntu`, Raspberry Pi OS distros), Windows, and MacOS.

Hosting: Working knowledge on HTML, and protocols like ftp.

Other Skills: Microsoft Office, LaTeX. Proficient in Mathematical typing on Microsoft Word and LaTeX.

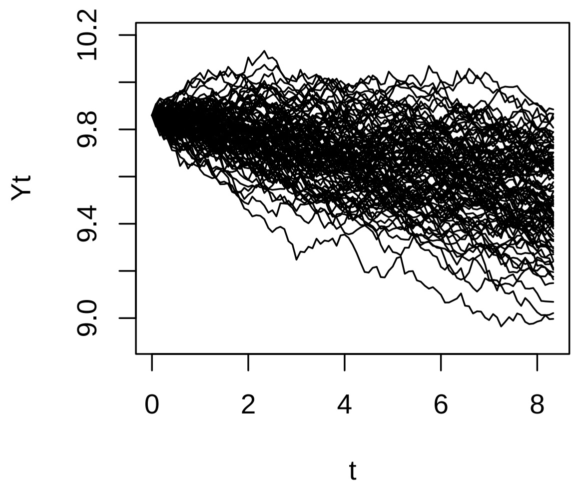
Internship

Financial Engineering group, Industrial Securities (兴业证券金融工程组) June, 2023–July, 2023
Shanghai

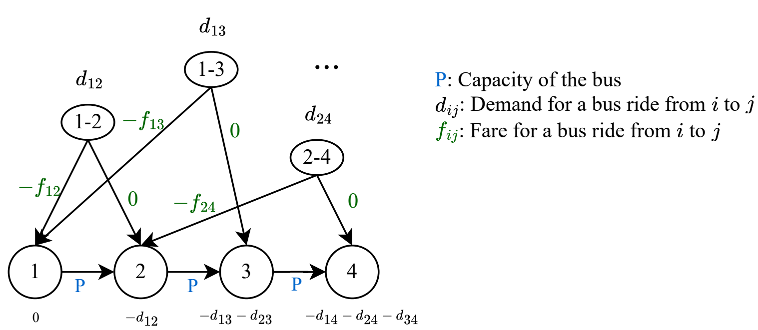
The first ranked team of the industry on 2023 *New Fortune* rankings.

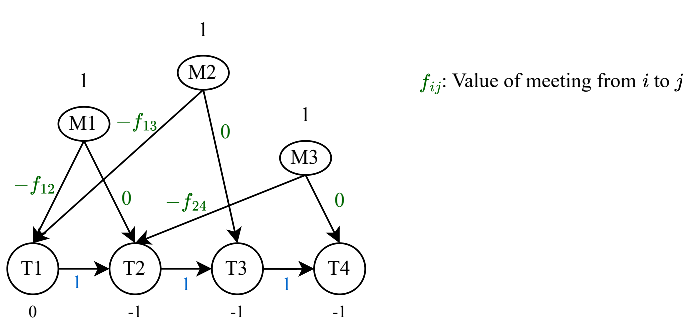
Projects

Forecasting the financial market with statistical model



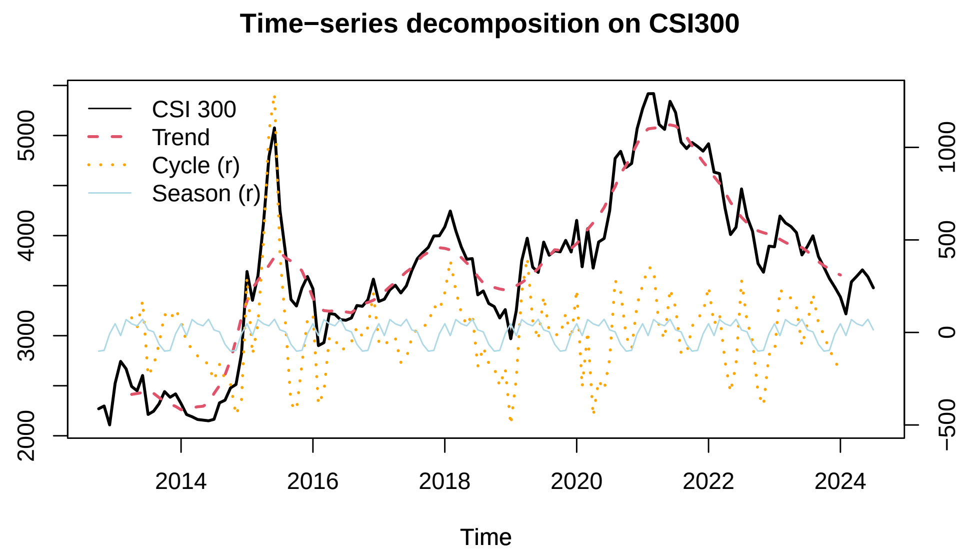
From Bus ticketing optimization model to meeting scheduling





Time-series decomposition

Please note: (r) means right y-axis



My “Portrait” in the Computational World :

For more projects, please visit my **GitHub**

Version Check

Tentative Version 非最终版

胡锦致

(*Jerry Hu*)

English version precedes (direct me there)

hujinzhi.com/cn goodluckjinzhihu lianxi@hujinzhi.com, hu.jinzhi@outlook.com

教育背景

数学本科 2021 年 9 月–2025 年 8 月 (预计)

滑铁卢大学 (University of Waterloo) 安大略省, 加拿大

-计算数学专业 (Computational Mathematics)

-组合优化辅修 (Combinatoric and Optimization Minor)

-经济辅修 (Economics Minor)

目前在读大四下学期，GPA 86.95/100 (优秀)。
在八个 full-term 学期中获得七次学期优异成绩。

技能

编程语言: Python (Pandas 及数据处理, API 运用, 线性/非线性优化, 及基础编程), R (数据分析和 Stochastic processing), C (基础编程), Bash (基础运用), Matlab (线性/非线性优化, 及基础矩阵分析)

专业技能: 统计和概率论, 非线性优化, SQL, PyTorch, PySpark, 运筹学模型 (OR optimization model), 组合 (Combinatorics), 随机过程 (Stochastic process), 布朗运动 (Brownian motion), 伊藤微积分 (Itô calculus)，Black-Scholes 公式, 随机微分方程 (Stochastic differential equation), 商业金融基础 (利率和债, β, IPO 基础, Call/Put 期权), 统计模型对金融市场模拟, 方差缩减方法 (Variance reduction techniques)。

OS: Linux (熟悉 Ubuntu, Raspberry Pi 系统), Windows, 及 MacOS。

网站管理与维护: 了解 HTML, 了解 ftp 等条款。

其他技能: 熟练使用 Microsoft Office, LaTeX, 可在 Microsoft Office 和 LaTeX 中熟练打出数学公式, 及英语能力 (具备 4 年加拿大英语区生活经历)。

实习经历

兴业证券金融工程组 (上海) 2023 年 6 月–2023 年 7 月

该团队获得 2023 年“新财富”行业排名第一。

-学习并翻译了海外量化学术期刊优秀论文；

-搜集并整理了有关张量在金融工程中的运用，协助张量在因子选股中的研究；

-通过分位数组合及修改特征择时 CT 指标，论证基金卖出能力的重要性，产出《基金买入和卖出能力的启示在 A 股上的实证》。

特长及爱好

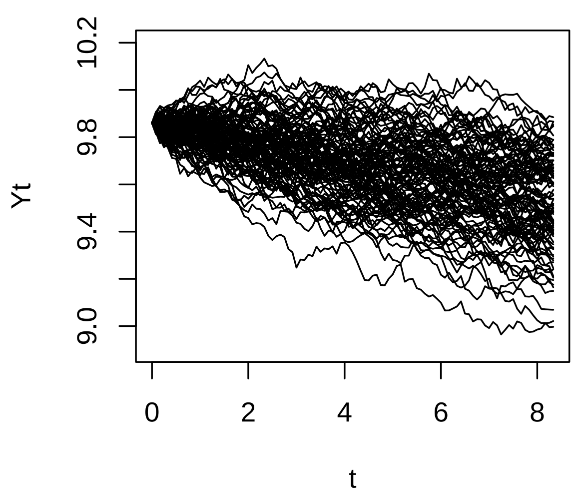
爱好音乐、摄影、美食，对中国历史和文化有浓厚兴趣

具有较强信息收集能力，不拖延，能高效完成任务

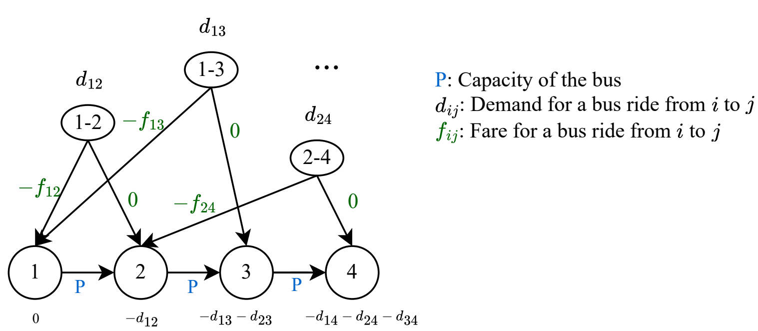
公共交通（公交迷，熟悉了解武汉与上海公交、地铁线路的已建/在建等相关信息）

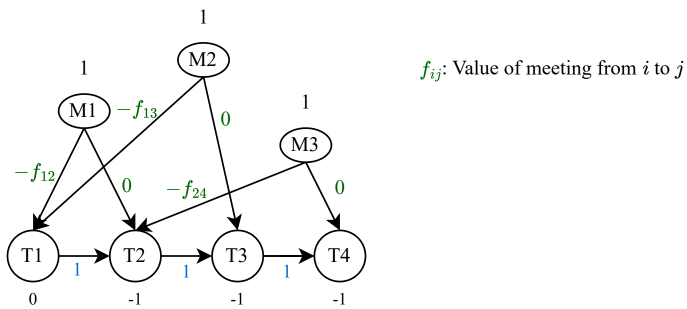
项目

统计模型对金融市场预测



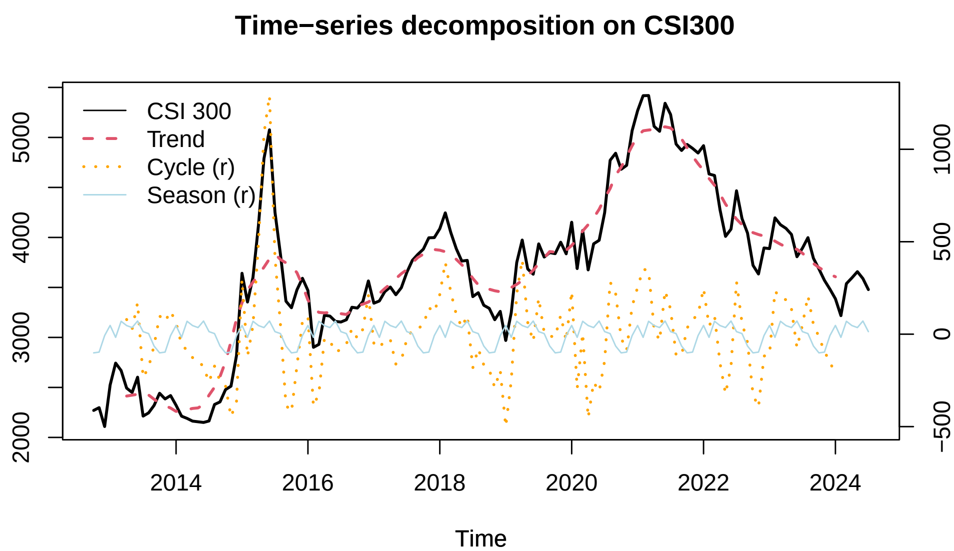
从公交车售票模型到会议规划



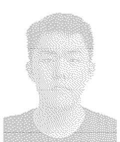


时间序列分析

注：(r) 代表右侧 y-轴



我的“画像”：



获取更多项目，请访问我的 GitHub

或我的 gitee

版本检测

Tentative Version 非最终版