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教育背景

曼彻斯特大学 **英国曼彻斯特**

电气与电子工程博士 *2004–2008*

谢菲尔德大学 **英国谢菲尔德**

控制与系统工程硕士 *2002–2003*

西安电子科技大学 **中国西安**

自动控制学士 *1995–1999*

工作经历

浙江工商大学泰隆金融学院 **杭州**

教授，副院长 *2023–至今*

浙江工商大学国际商学院 **杭州**

教授，副院长 *2016–2022*

浙江工商大学金融学院 **杭州**

教授 *2014–至今*

浙江工商大学金融学院 **杭州**

讲师、副教授、投资系主任 *2008–2014*

研究兴趣

- 机器学习
- 金融科技
- 信用风险
- 投资组合管理

教学经历

AI 大模型与智能体在商科中的应用

本科

本课程专为商科背景学生设计，深入浅出地介绍人工智能（AI）、大语言模型（LLM）以及智能体（Agent）的基础概念与前沿发展。通过丰富的商业案例，探讨 AI 在金融风控、智能营销、自动化运营及智能投顾等场景中的实际应用，培养学生在数字化时代的 AI 素养与人机协作能力。

投资组合管理

本科

系统讲解现代投资组合理论及其实践应用，结合市场实际案例，培养学生的投资分析与资产配置能力。

Python 在金融中的应用

本科

讲授 Python 编程基础及其在金融数据分析、量化交易中的实战技巧，强调编程解决金融问题的实际动手能力。

机器学习在金融中的应用

研究生

探讨经典与前沿机器学习算法在信用评分、风险管理及金融预测中的深度应用，结合真实金融数据集进行模型构建与评估。

金融人工智能 (AI in Finance)

MBA

面向企业管理者的金融科技实战课程，聚焦 AI 驱动下的商业模式创新、金融服务智能化升级及其战略价值。

大数据与金融

iMBA

结合大数据技术，分析其对现代金融行业的颠覆性影响与机遇，培养基于数据驱动的金融决策思维。

代表性论文

期刊论文

- **Ni, H.**, He, J.H., Wang, W.J., *Can network centrality explain mutual fund alpha: Evidence from China*, International Review of Financial Analysis 2026 (110):104988.
- Ma, Y., Zhou, M., **Ni, H.*** *Enhancing Market Predictability and Investment Decision-Making: Machine Learning Models for Predicting Stock Market Crashes in China*, International Journal of Finance and Economics 2025 doi.org/10.1002/ijfe.70091.
- Wang, W., **Ni, H.*** *Financial connectedness in the digital age: The impact of regional FinTech development*, Economic Modelling 2025 (125)107290.
- **Ni, H**, Zhang, Q, Guo, X, Mirza, S. *Portfolio optimization by enhanced LinUCB*, Finance Research Letters 2024 (70): 106266.
- Xu, W., Sun, Z.,**Ni, H.*** *Transparency pays: How carbon emission disclosure lowers cost of capital*, Economic Analysis and Policy 2024 (83): 165-177.
- Yao, L., **Ni, H.*** *Prediction of patent grant and interpreting the key determinants: an application of interpretable machine learning approach*, Scientometrics 2023 (128): 4933–4969.

- **Ni, H.**, Xu, H., Ma, D., Fan, J. *Contextual combinatorial bandit on portfolio management*, Expert Systems with Applications 2023 (221): 119677.
- Zhang, Q., **Ni, H.***, Xu, H. *Nowcasting Chinese GDP in a data-rich environment: Lessons from machine learning algorithms*, Economic Modelling 2023 (122): 106204.
- Zhang, Q., **Ni, H.***, Xu, H. *Forecasting models for the Chinese macroeconomy in a data rich environment: Evidence from large dimensional approximate factor models with mixed frequency data*, Accounting & Finance 2022, 00:1-49.
- **Ni, H.***, Wang YQ, Jiang T., Chen Z.Y. *Self-Adaptive bagging approach to credit rating*, Technological Forecasting and Social Change 2022 ,175:121371.
- **Ni, H.**, Wang, YQ, Xu, BY *Self-Organizing Gaussian Mixture Map Based on Adaptive Recursive Bayesian Estimation*, Intelligent Automation & Soft Computing 2020, 26(2): 227-236.
- Fu, P. , Zhu, A. , **Ni, He** , Zhao, X. , Li, X. *Threshold behaviors of social dynamics and financial outcomes of ponzi scheme diffusion in complex networks*, Physica A: Statistical Mechanics and its Applications 2018 (490): 632-642.
- **He Ni**, Tianhong Luan, Yu Cao, Donald Finlay, *Can venture capital trigger innovation? New evidence from China*, International Journal of Technology Management 2014 (65): 189-214.
- Yongqiao Wang, **He Ni** *Multiple-v support vector regression based on spectral risk measure minimization*, Neurocomputing 2013 (101): 217-228.
- **He Ni**, *Stock index tracking by Pareto efficient genetic algorithm*, Applied Soft Computing 2013 (13): 4519-4535.
- **He Ni**, *Heuristic genetic algorithm for optimizing an index tracking portfolio*, Systems Engineering Theory and Practice 2013 (33): 2645-2653.
- Yongqiao Wang, **He Ni** *Multivariate convex support vector regression with semidefinite programming*, Knowledge Based System 2012 (30): 87-94.
- Yongqiao Wang, **He Ni** *Nonparametric bivariate copula estimation based on shape-restricted support vector regression*, Knowledge Based System 2012 (35): 235-244.
- **He Ni**, *Exchange Rate Volatility Prediction By An Extended Self-Organizing Mixture Model*, Journal of Control Theory and Applications 2010 (27): 444-450.
- **He Ni**, Hujun Yin, *Exchange rate prediction using a hybrid neural networks and trading indicators*, Neurocomputing 2009 (72): 2815-2823.
- **He Ni**, Hujun Yin, *A Self-Organising Mixture Autoregressive Network for FX Time Series Modelling and Prediction*, Neurocomputing 2009 (72): 3529-3537.
- **He Ni**, Hujun Yin, *Self-organising mixture autoregressive model for non-stationary time series modelling*, International Journal of Neural Systems 2008 (18): 1-12.
- **He Ni**, Hujun Yin, *Recurrent Self-Organising Maps and Local Support Vector Machine Models for Exchange Rate Prediction*, Lecture Notes in Computer Science 2006 (3973): 504-511.

会议论文

- **He Ni**, *Consumer Credit Risk Evaluation by Logistic Regression with Self-Organizing Map*, Proceeds on International Conference on Natural Computation (2010): 205-249.
- **He Ni**, *Profitability of technical chart pattern trading on FX rates: Analyzed by wavelet transform*, Proceedings of the 3rd International Conference on Intelligent Information Technology Application (2009): 138-141.
- **He Ni**, *A Fast Self-Organizing Map Algorithm by Using Genetic Selection*, Proceedings of the 3rd International Conference on Intelligent Information Technology Application (2009):142-145.
- **He Ni**, *Topology regressive distributed model for financial time series prediction*, Proceedings of the 5th International Conference on Natural Computation (2009): 463-467.
- Hujun Yin, **He Ni**, *Generalized Self-Organizing Mixture Autoregressive Model for Modeling Financial Time Series*, 19th International Conference on Artificial Neural Networks, Lecture Notes in Computer Science (2009): 577-586.
- Hujun Yin, **He Ni**, *Generalized Self-Organizing Mixture Autoregressive Model*, 7th International Workshop on Self-Organizing Maps, Florida, U.S., Lecture Notes in Computer Science (2009):353-361.
- **He Ni**, Hujun Yin, *Time-Series Prediction Using Self-Organising Mixture Autoregressive Network*, Intelligent Data Engineering and Automated Learning 8th International Conference, Birmingham, UK, Lecture Notes in Computer Science (2007): 1000-1009.

专著

- Xia Fang, Meiyun Jiang, **He Ni**, *Commodity Futures Price, CPI and Investor Psychology*, China Economic Press (2013) ISBN: 978-7-5136-2574-6.

科研项目

项目负责人

- **浙江省哲学社会科学基金，(3 万元)** 2025-2027.
- **浙江省自然科学基金，(5 万元)** 2020-2022.
- **高校人文社科重点研究基地项目，(2 万元)** 2015-2016.
- **国家自然科学基金，(20 万元)** 2011-2014.
- **浙江省哲学社会科学基金，(4 万元)** 2011-2013.
- **教育部博士点基金，(8 万元)** 2009-2011.
- **英国文化协会 PMII 项目，(23 万元)** 2009-2011.
- **留学回国人员科研启动基金，(5 万元)** 2011.06-2014.12.

计算机技能

精通: MATLAB, PYTHON,LaTeX

熟练: ASP, SQL

基础: PHP, Java

语言能力

中文: 母语

英文: 流利