FENG Guanhao Gavin 冯冠豪

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Contact Information

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Research Interests

Financial Time Series, Empirical Asset Pricing, Machine Learning, Deep Learning

Employment

City University of Hong Kong College of Business

Assistant Professor of Statistics, 2017 - present

Education

The University of Chicago Booth School of Business

Ph.D. in Business Administration (Statistics and Finance), 2017

Co-Chairs: Professor Nicholas Polson and Dacheng Xiu

M.B.A., 2017

Pennsylvania State University Schreyer Honors College

B.S. in Honors Economics, B.S. in Mathematics, Minor in Statistics, 2012

Supervisor: Professor Herman J. Bierens

Publications

Taming the Factor Zoo: A Test of New Factors

with Stefano Giglio and Dacheng Xiu.

The Journal of Finance, 2020, 75(3): 1327-1370.

2018 AQR Insight Award, First Prize.

Does higher-frequency data always help to predict longer-horizon volatility?

with Ben Charoenwong.

Journal of Risk, 19.5 (2017): 55-75.

The Market for English Premier League (EPL) Odds

with Nicholas Polson and Jianeng Xu.

Journal of Quantitative Analysis in Sports, 12.4 (2017): 167-178.

Working Papers

Deep Learning in Characteristics-Sorted Factor Models

with Nicholas Polson and Jianeng Xu. Mar. 2020. Submitted.

Unigestion Alternative Risk Premia Research Grant Award

2019 Crowell Prize, Second Prize

INQUIRE Europe Research Grant Award

Factor Investing: Hierarchical Ensemble Learning

with Jingyu He. Jan. 2019. In Revision.

Revision Requested at Journal of Econometrics.

Deep Learning, Real-Time Macro Information, and Bond Return Predictability

with Andras Fulop and Junye Li. May. 2020. Submitted.

Deep Learning for Predicting Asset Returns

with Nicholas Polson and Jingyu He. Oct. 2019.

Sparse Regularization in Marketing and Economics

with Nicholas Polson, Yuexi Wang, and Jianeng Xu. Feb. 2018.

Regularizing Bayesian Predictive Regressions

with Nicholas Polson. Sep. 2017.

Research Grants

INQUIRE Europe Research Grant, 2019

CityU HK, Strategic Research Grant for "Factor Investing: Hierarchical Ensemble Learning", 2019-2021

Hong Kong Research Grants Council, Early Career Scheme for "A Deep-Learning Approach in Asset-Pricing Anomalies", 2019-2021

Unigestion Alternative Risk Premia Research Grant, 2018

CityU HK, Start-up Research Grant for "Data Science in Marketing", 2018-2020

Fama-Miller Center for Research in Finance, Grant for "Myriad of Factors", 2015

Research Grant, Bates White Research Experience for Undergraduates (2×), 2010-2011

Honors and Awards

INQUIRE Europe Research Grant Award, 2019

Crowell Prize, Second Prize, 2019

AQR Insight Award, First Prize, 2018

Unigestion Alternative Risk Premia Research Grant Award, 2018

Jennifer Jones PhD Fellowship, 2016-2017

Katherine Dusak Miller PhD Fellowship, 2015

Teaching Award for Exceptional Service to Executive MBA Program, 2014

Oscar Mayer Fellowship for Summer Research, 2013

University of Chicago Booth School of Business PhD Program Fellowship, 2012-2017

Phi Beta Kappa, 2012

Penn State University Economics Honors Program, 2011-2012

Industry Research Positions

Citadel LLC, New York City, USA

Research Consultant, 2018 - present

Citadel LLC, Chicago, USA

Research Intern, 2016 - 2017

Teaching Experience

Instructor, City University of Hong Kong

Statistical Modeling in Economics and Finance, Spring 2018/2019

Predictive Modeling in Marketing, Spring 2018/2019

Statistical Methods for Business Research, Spring 2019

Guest Speaker (Universities and Financial Institutions)

Machine Learning in Asset Pricing

Academic Service

Referee Work:

JOURNALS:

Finance: Journal of Finance, Review of Financial Studies, Journal of Financial and Quantitative Analysis, Management Science(2×), Journal of Banking and Finance, Journal of Empirical Finance(3×), Mathematics and Financial Economics, Finance Research Letters, Pacific-Basin Finance Journal, Journal of Asset Management, Financial Innovation

Econometrics and Statistics: Journal of Business & Economic Statistics(2×), Journal of Econometrics, Journal of Financial Econometrics(3×), Econometrics and Statistics, Technometrics

GRANT: National Science Foundation (USA), Natural Sciences and Engineering Research Council (Canada)

CONFERENCE: 2020 FMA Consortium on Asset Management, 2019 Consortium on Factor Investing, 2019 FMA Asia/Pacific Conference, 2019 FMA Annual Meeting

Program Committees:

2020 FMA Asia/Pacific Conference, 2020 FMA Annual Meeting

Session Chair:

2nd International Conference on Econometrics and Statistics "Statistical Learning in Finance"

2019 INFORMS Annual Meeting Seattle "Machine Learning in Finance"

2020 INFORMS Annual Meeting Maryland "Machine Learning in Finance"

Organizer:

CityU Workshop in Econometrics and Statistics, 2019

Presentations

2019
- Invited Seminar, Jinan University (2019/12, Guangzhou)
- Invited Seminar, Shanghai University of Finance and Economics (2019/12, Shanghai)
- Invited Workshop, PanAgora Asset Management (2019/11, Boston)
- Invited Seminar, Boston University (2019/10, Boston)
- INFORMS Annual Meeting (2019/10, Seattle)
- Invited Workshop, Autumn Seminar of Inquire Europe (2019/10, Krakow)
- China International Conference in Finance (2019/7, Guangzhou)
- Asia Meeting of the Econometric Society (2019/6, Xiamen)
- Twelfth Annual SoFiE Conference (2019/6, Shanghai)
- 2019 International Conference on FinTech (2019/6, Shanghai)
- Financial Econometrics and New Finance Conference (2019/6, Hangzhou)
- Invited Workshop, AXA IM Chorus (2019/3, Hong Kong)
- Invited Workshop, Schroders Asset Management (2019/2, London)
- Invited Workshop, New Development in Factor Investing (2019/2, London)

2018
- New Zealand Finance Meeting (2018/12, Queenstown)
- 31st Australian Finance and Banking Conference (2018/12, Sydney)
- 2018 Workshop on Bayesian Methods in Finance (2018/12, Singapore)
- Invited Workshop, Wolfe Research 2nd Annual Global Quantitative & Macro Investment Conference (2018/11, New York City)

Invited Seminar, South China Normal University (2018/11, Guangzhou)
Asian Quantitative Finance Conference (2018/11, Guangzhou)
Invited Seminar, City University of Hong Kong (2018/11, Hong Kong)
Invited Workshop, CQAsia Annual Conference (2018/11, Hong Kong)
European Seminar on Bayesian Econometrics (2018/10, New Orleans)
Invited Seminar, Southern University of Science and Technology (2018/9, Shenzhen)
Invited Workshop, AQR Capital Management (2018/8, Hong Kong)
2nd International Conference on Econometrics and Statistics (2018/6, Hong Kong)
R/Finance 2018 (2018/5, Chicago)
Invited Workshop, CUHK Workshop on Econometrics (2018/4, Hong Kong)

2017 Joint Statistical Meetings (2017/8, Baltimore)
NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics (2017/5, St. Louis)
R/Finance 2017 (2017/5, Chicago)
Vienna-Copenhagen Conference on Financial Econometrics (2017/3, Vienna)

2016 11th Annual Economic Graduate Student Conference (2016/10, Champaign)
Invited Seminar, City University of Hong Kong (2016/10, Hong Kong)
Invited Workshop, Charles Schwab (2016/8, Chicago)
Symposium on Financial Engineering and Risk Management (FERM) (2016/7, Guangzhou)

Discussions

2019 "New Factors Wanted: Evidence from a Simple Specification Test" at China International Conference in Finance (2019/7, Guangzhou)

2018 "Risk-neutral Beta and Idiosyncratic Downside Risk of Individual Stocks" at New Zealand Finance Meeting (2018/12, Queenstown)