

# Maximilian Voigt

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## Research interests

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Asset Pricing, Behavioral Economics and Finance, Decision Making under Risk and Uncertainty

## Education

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<b>Frankfurt School of Finance &amp; Management</b> Ph.D. in Financial Economics	Fall 2018 - Present
<b>Yale University</b> , Economics Department Visiting Assistant in Research	Fall 2022 - Spring 2023
<b>University of Oxford</b> , Saïd Business School M.Sc. in Financial Economics, <i>Distinction</i> and <i>Dean's List</i>	Fall 2016 - Fall 2017
<b>Frankfurt School of Finance &amp; Management</b> B.Sc. in Management, Philosophy & Economics, <i>93.25%</i> and <i>Dean's List</i>	Fall 2011 - Spring 2015
<b>Nanyang Technological University</b> , Singapore Exchange student in Mathematical Economics	Fall 2013

## Job market paper

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### **Investor beliefs and asset prices under selective memory** ([Available here](#))

I present a consumption-based asset pricing model in which the representative agent forms Bayesian beliefs based on selectively recalled observations. The agent is more likely to recall past fundamentals that resemble current fundamentals. This similarity-weighted selective memory jointly explains important facts about belief formation, survey data, and realized asset prices. Subjective expectations overreact and are procyclical, the subjective volatility is countercyclical, and the subjective risk premium has a low volatility. In contrast, realized returns are predictably countercyclical, highly volatile, and unrelated to variation of objective risk measures. My results suggest that human memory can simultaneously account for individual-level data and aggregate asset pricing facts.

## Working papers

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### **Eliciting Stopping Times** (joint with Sebastian Ebert; [Available here](#))

We propose an experimental method to elicit stopping times—each subject's complete contingent plan for taking a risk for up to five times—to study repeated risk-taking under precommitment. In addition to time- and outcome-contingent risk-taking, we allow some subjects to use path-dependent or randomized stopping times. Our experimental design thus allows for hundreds of different risk-taking plans. Using an unsupervised machine-learning algorithm, we find that individuals' risk-taking strategies map well to stop-loss, take-profit, or buy-and-hold strategies. Most strategies are of a continue-when-winning and stop-when-losing type, with a profit-trailing stopping barrier. Path-dependence and randomization are used extensively, even if they are costly. We further analyze dynamic consistency in a sequential risk-taking task and find that subjects largely follow the unconstrained plans that we elicited.

### **Learning and strategic trading in ETF markets** ([Available here](#))

Designated broker-dealers arbitrage away differences between the market price of an ETF and the net asset value of the underlying assets. Using a dynamic strategic trading model, I show that this arbitrage mechanism increases long-term price informativeness but reduces short-term price informativeness. The information contained in the ETF price leads to additional learning, which improves

long-term price informativeness. However, traders informed about the value of an underlying asset use their informational advantage to forecast arbitrage-induced price changes of all other assets contained in the ETF. The predictability of future price changes induces speculative cross-asset trading, which reduces short-term price informativeness. Thus, regulation targeting ETFs must balance short- and long-term price informativeness.

## Presentations

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2023	9th HeiKaMaxY, BNN-FM-MA PhD Conference, Frankfurt School Brownbag Seminar, SEF Conference Sofia, FTG Summer School, University of Heidelberg (scheduled)
2022	Yale Microeconomic Theory Breakfast, Yale SOM Finance Breakfast, 15th RGS Doctoral Conference in Economics
2021	3rd Future of Financial Information Conference, Market Microstructure Summer School, NOVA Business School Finance PhD Pitch Perfect
2020	Frankfurt School Brownbag Seminar

## Awards

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2023	AFA Student Travel Grant for the Annual Meeting in New Orleans
2018	Dean's List, Saïd Business School
2015	Dean's List, Frankfurt School of Finance & Management
2012 - 2017	Scholarship of the Konrad-Adenauer Foundation (academic merit)

## Research positions & teaching experience

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Since Spring 2022	<b>Researcher</b> Chair of Economic Theory I (Sebastian Ebert), Heidelberg University
Fall 2020	<b>Lecturer</b> Foundations of Finance (Master level)
Spring 2020	<b>Teaching Assistant</b> for Sebastian Ebert (Behavioural Models, Economics & Philosophy)
Fall 2019	<b>Teaching Assistant</b> for Markus Dertwinkel-Kalt and Andreas Grunewald (Business Economics)
Spring 2017	<b>Research Assistant</b> Centre for Experimental Social Science (CESS), Nuffield College, University of Oxford

## Summer school

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2023	Finance Theory by the Finance Theory Group Experimental Finance by the Society for Experimental Finance
2022	Behavioral Finance by Nicholas Barberis
2021	Market Microstructure by Thierry Foucault & Albert Menkveld

## Professional experience

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2015 - 2018	<b>Digital Finance Argonauts</b> , Frankfurt, Germany <i>Co-Founder</i> , Venture Capital and Investment Banking Advisory
2017	<b>Macquarie Capital</b> , Frankfurt, Germany <i>Summer analyst</i> , Mergers & Acquisitions
2014	<b>Rocket Internet</b> , Bangkok, Thailand <i>Summer analyst</i> , Business Development at Foodpanda (Delivery Hero)
2013	<b>Armira Partners</b> , Munich, Germany <i>Spring analyst</i> , Private Equity

## Extracurricular activities

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2017 - present	Member of the supervisory board of Talentschmiede Unternehmensberatung AG
2023	Volunteering work at Projeto Lontra, Florianopolis, Brazil (2 weeks)
2020 - 2022	Member of Global Shaper's Frankfurt, an initiative of the World Economic Forum; Co-lead of a project focused on teaching 21st century skills to underprivileged youth

## Programming skills

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Python (Data Science Stack), oTree (JavaScript, HTML, Python), MATLAB, L<sup>A</sup>T<sub>E</sub>X, Mathematica

## References

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### **Francesco Sangiorgi**

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### **Sebastian Ebert**

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### **Nicholas C. Barberis**

Yale University  
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## Personal information

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Full name	Maximilian Voigt
Date of birth	May 28, 1993
Citizenship	German
Updated	November 2023