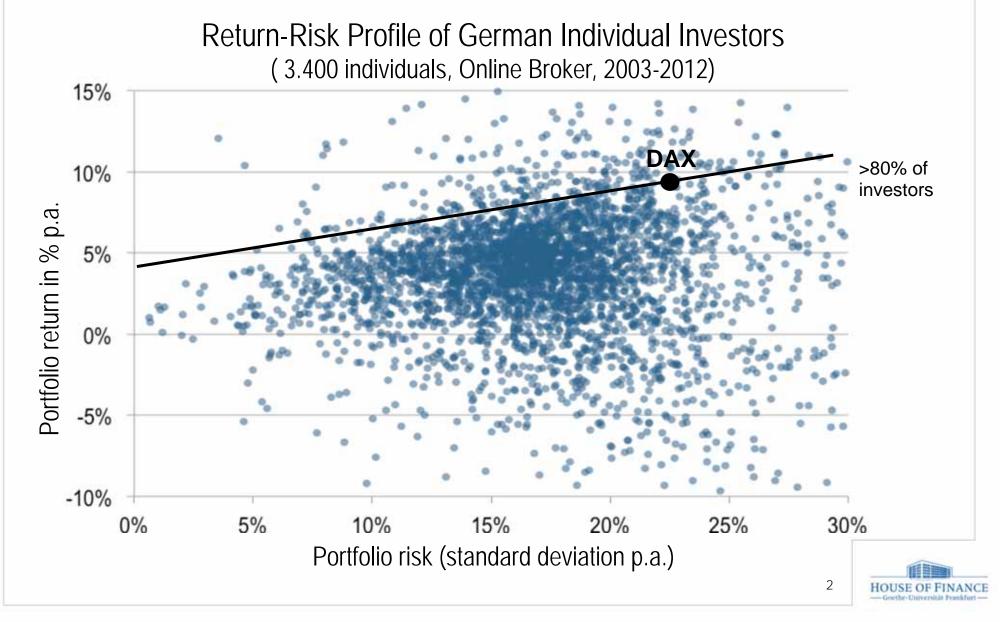
# Investor behavior: the Last Mile problem and possible fixes

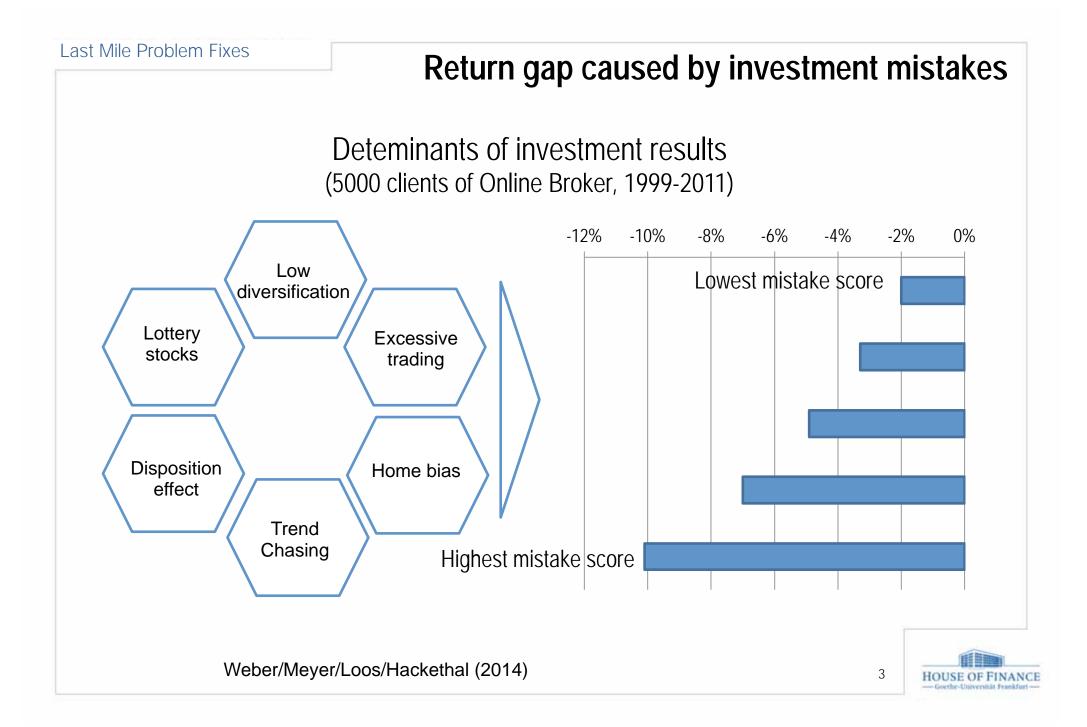
Andreas Hackethal Goethe University Frankfurt am Main

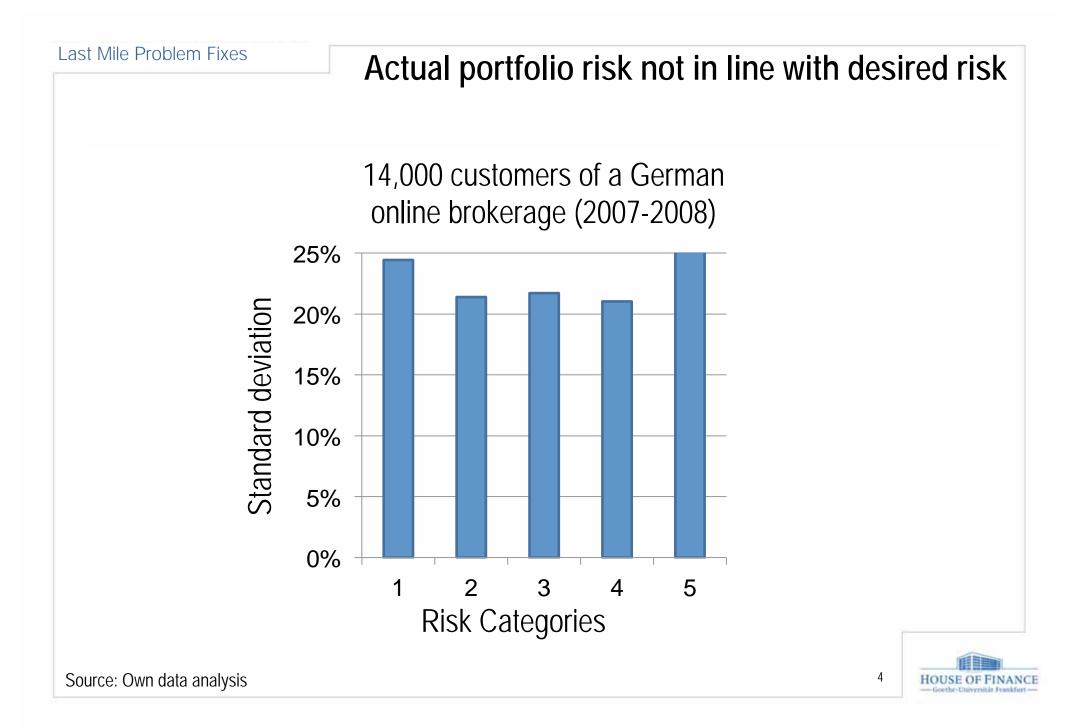
2015 GSBE Marketing-Finance Symposium Oct 8, 2015

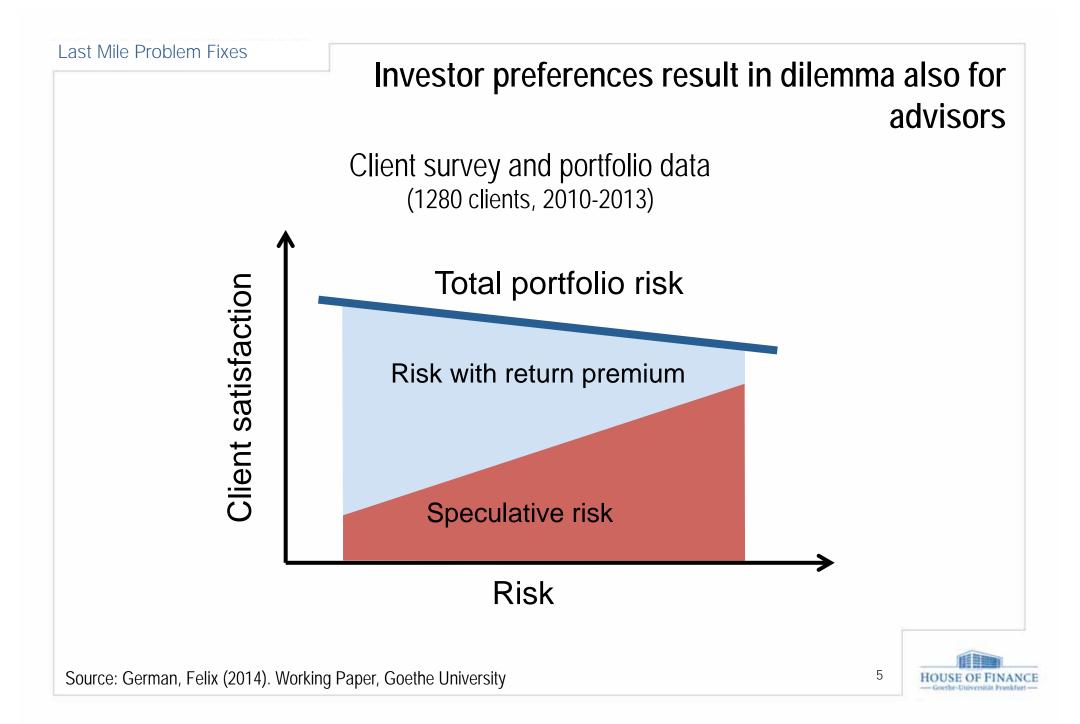


# Return gap of self-directed investors











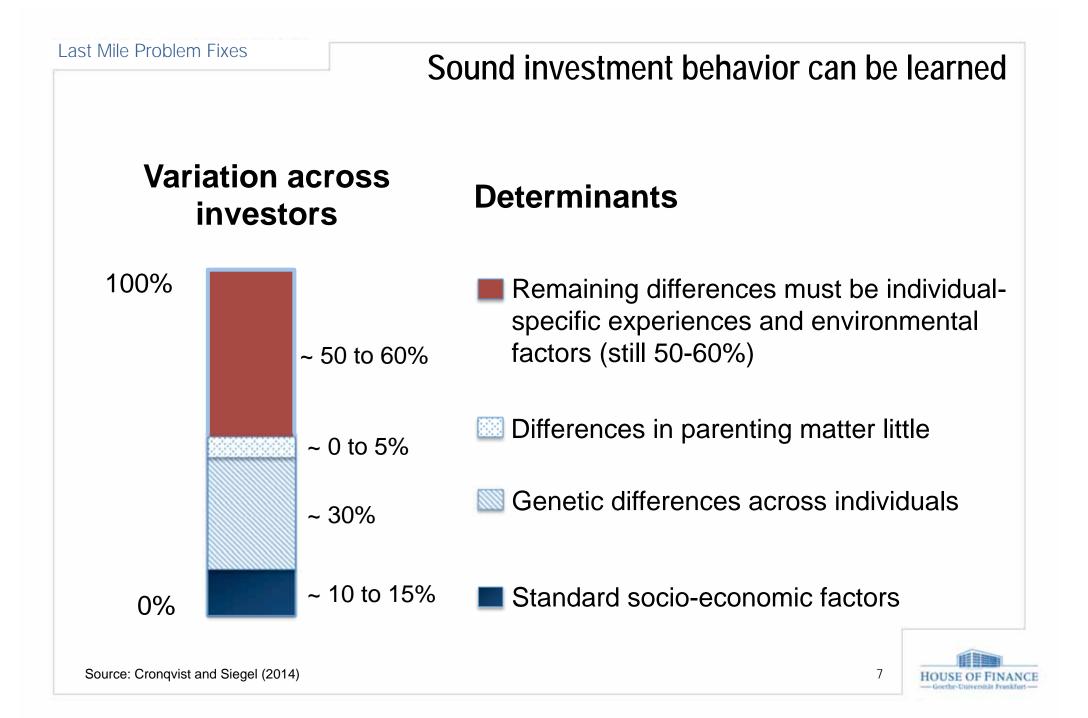
# Example for opionated trading: Tetraphobia

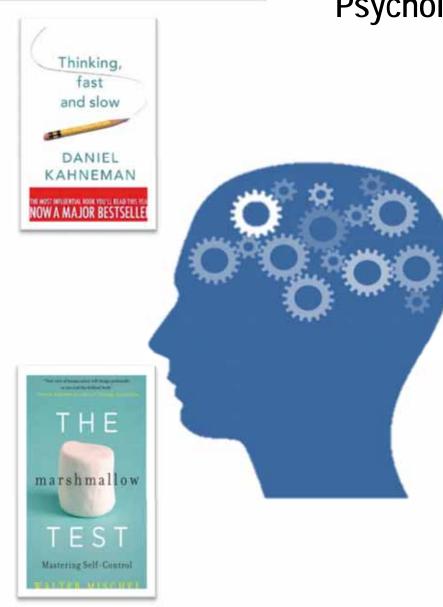
- Probability that Taiwanese traders place limit orders \_ \_ \_8 is 50% higher than \_ \_ 4
- Superstitious traders earn on average \$250 less per trade



6

Quelle: Bhattacharya et al (2014): Do Superstitious Traders Lose Money?





# Psychology: investors typically in "System 1"

#### System 1 – INTUITION

- Always on
- Effortless, fast, simultaneous
- Objective: match own mental model with world

#### System 2 - LOGIC

- Needs to be activated
- effort, slow, sequential
- Objective: check System 1 and trade off consuming now against long-term well-being



# **The Last Mile Problem**

Lack of relevant information

Poor decision rules

Options inconvenient

Low self control

Bild: Wikimedia Comr

# **Potential Fixes**

#### Lack of relevant information

Poor decision rules

**Options inconvenient** 

Low self control

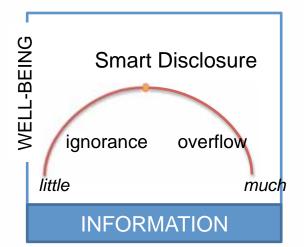
- Financial Education works when smart & "just-in-time"
- Defaults works but paternalistic
- Financial Advice works under specific conditions
- Goal Orientation works in health



# Efficacy of smart disclosure depends on details

# Typical challenges

- Inattention
- Motivated attention (eg ostrich effect)
- Low comprehensibility
- No verifiability
- => No behavioral change plus unintended side effects such as "moral licensing" and "insuniation anxiety"



# Solutions

- Simplification
- Sequence/Saliency
- Standards (indicators, format)
- Feedback on own behavior
- Benchmarks and peer groups
- Indirect effects through supply side responses
- => Significant reactions and learning effects

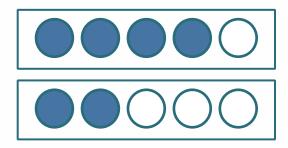


# Actionable information: smart disclosure of portfolio perfomance

## Returns 2014

+2.245€	8,3%	Before cost
+1.913€	7,3%	After cost

Risk 2014



Actual risk 2014

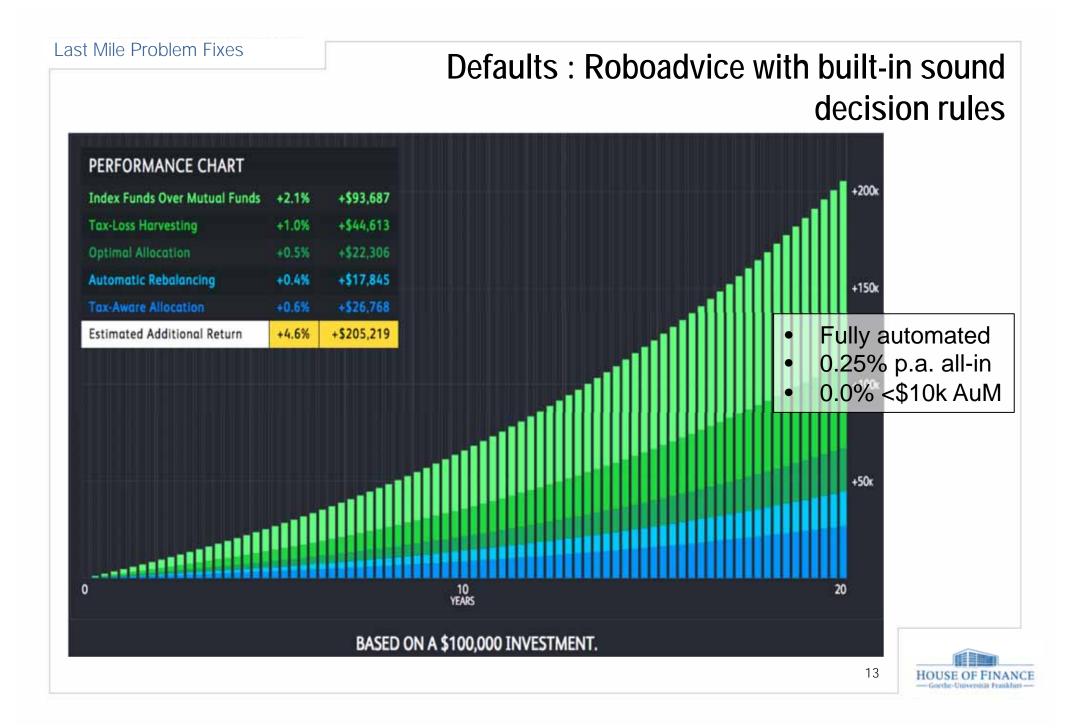
Planned risk 2014

Risk concentration 2014

45% Single stocks

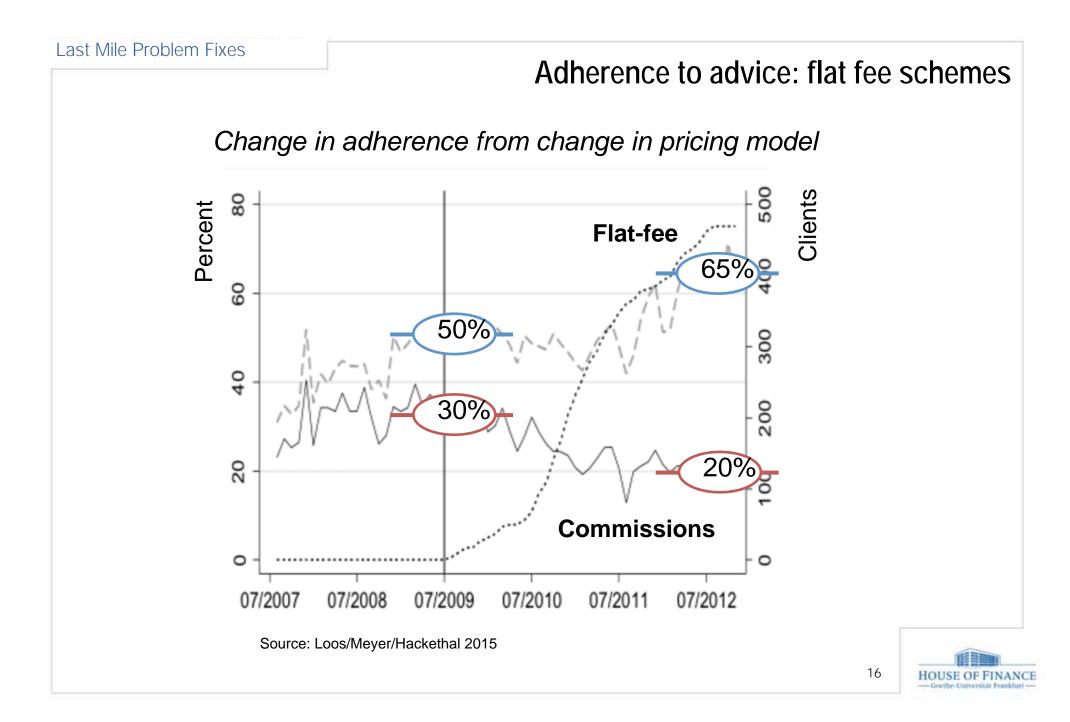
Meyer/Ahslwede/Urban (2015): Recipients of salient portfolio reports increase diversification and reduce trading

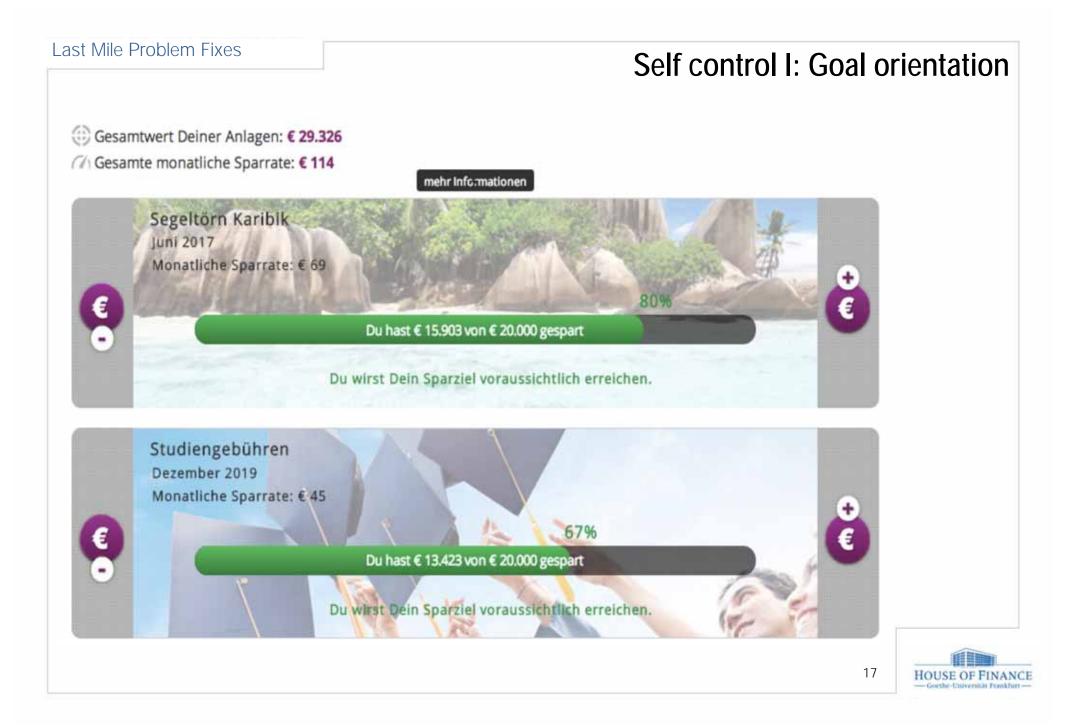














Source: WSJ, Nov 26., 2011



Last Mile Problem Fixes Behavioral heterogenenity requires new forms of insight generation for regulators and industry Focus Client Industry New behavior equilibrium behavior Approach Survey Laboratory experiments FCA 2013: "Randomised **Administrative** Controlled Trials (RCTs) **Data analysis** offer one of the most direct ways of getting evidence on consumer choices. **Field studies** RCTs are often used to • Natural experiments assess the relative Randomized controlled effectiveness of possible trials interventions.



# RCT example from FCA: how to encourage consumers to claim redress

FCA developed seven changes ("treatments") to a firm's letter to contact 200k customers about a failing in its sales process. Changes were applied randomly to the firm's standard ("control") letter.

- Envelope with message "act quickly"
- FSA Logo in the letter head
- Salient bullets at the top of the letter
- Simplification by reducing the text by 40%
- Sentence in bold that claims process would only take 5 minutes
- CEO signature
- Reminder letter after six weeks

Making all these changes to a single letter increased the response rate by six and a half times. Interestingly, the FSA logo had no effect, and adding the CEO signature even reduced the response rate slightly.

Source: FCA occasional Paper 1 "Applying Behavioral Economics at the FCA, April 2013, pp 45



Smart disclosure and j.i.t. education Sensible defaults and smart rules Simplification and unconflicted advice Goal orientation and opportunity cost

Industry: experimentation mode, agile business models

Regulator: competition focus, understand consumer behavior

Bild: Wikimedia Com

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