DISCUSSION

Why Do Defaults Affect Behavior?

Experimental Evidence from Afghanistan

Joshua Blumenstock Michael Callen Tarek Ghani Solvay Brussels School Academic year 2021-22

Mathematical Models in Finance Taught by Carolina Laureti

Discussed by Mathieu Demarets

Summary | Default options for policy design



5 Puzzle & Policy-relevant insights

Puzzle: Sub-optimal retirement savings

Insight: Default assignments impact behaviors

(Madrian 2014)

Literature: Organ donation, vaccine use, exercise,

retirement savings decisions



Experimental Design

Context: Field experiment in Afghanistan with phone-base savings account "M-Pasandaz"

Method: 949 employees randomly assigned to 0% or 5% savings rate & 0%, 25% or 50% match

Goal: Prove the nudging effect of defaults on passive savings to later improve saving prospects for people left out of formal financial ecosystems



Option Default option impact

"Default enrollment increases participation by 40 p.p. which is equivalent to providing a 50% matching incentive" (Blumenstock et al. 2018)



Testing the default effect causes

Endorsement effect (Choi et al. 2014)

RATIONAL

Mechanical frictions

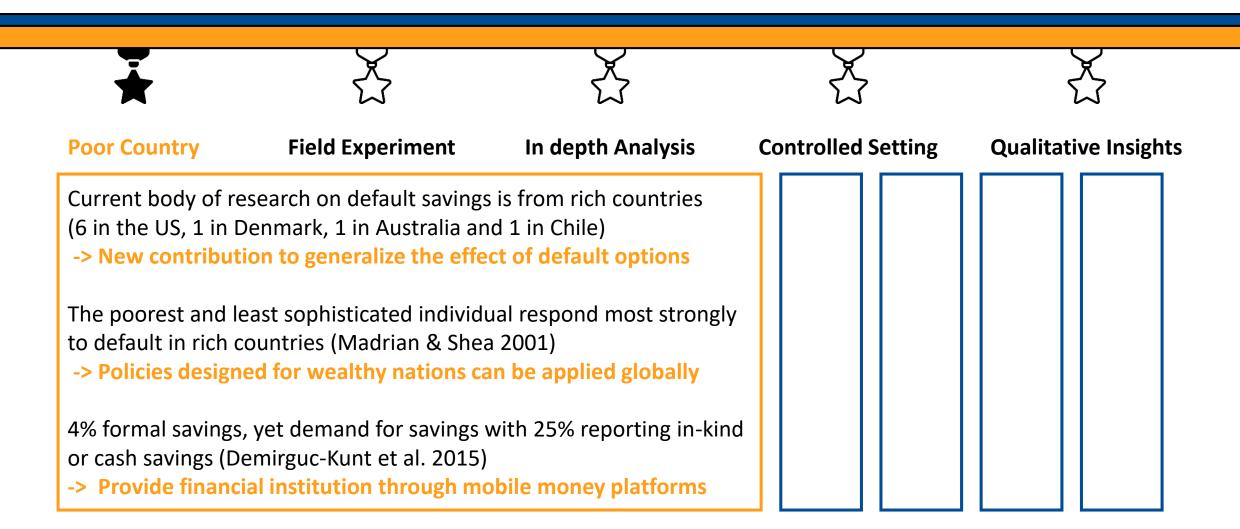
Cognitive cost (Lusardi & Mitchell 2011)

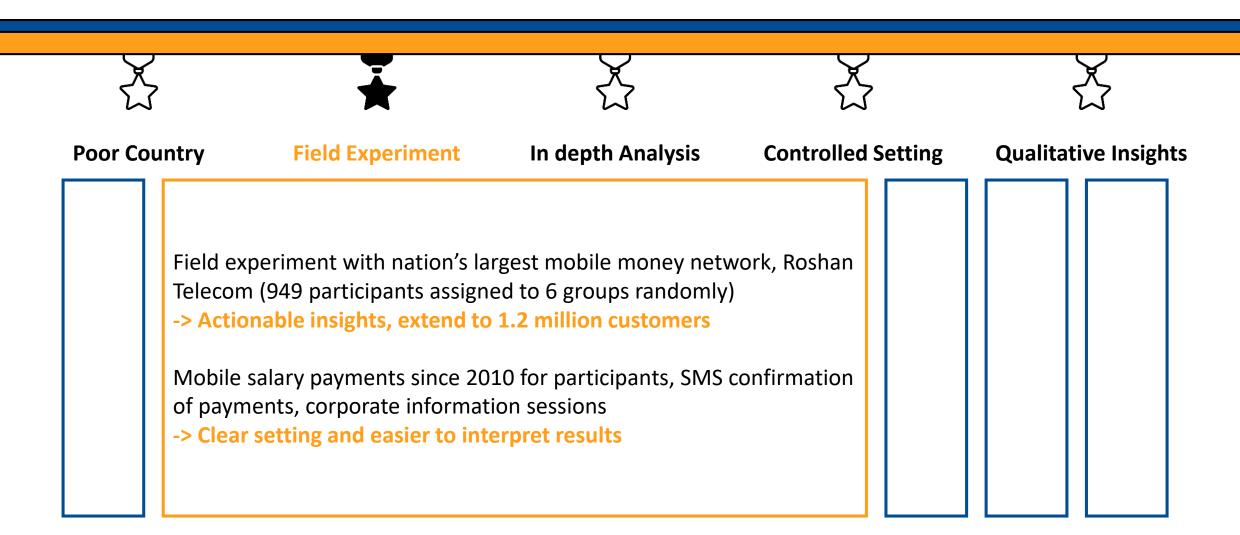
Salience (Karlan et al. 2016)

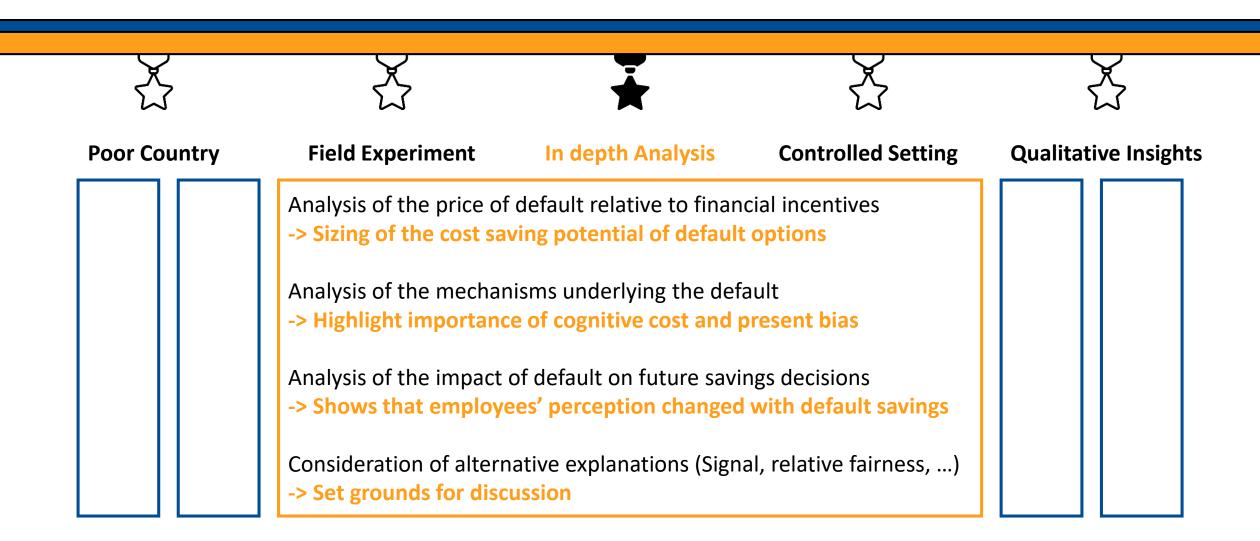
BEHAVIORA

Present bias (O'Donoghue & Rabin 1999)

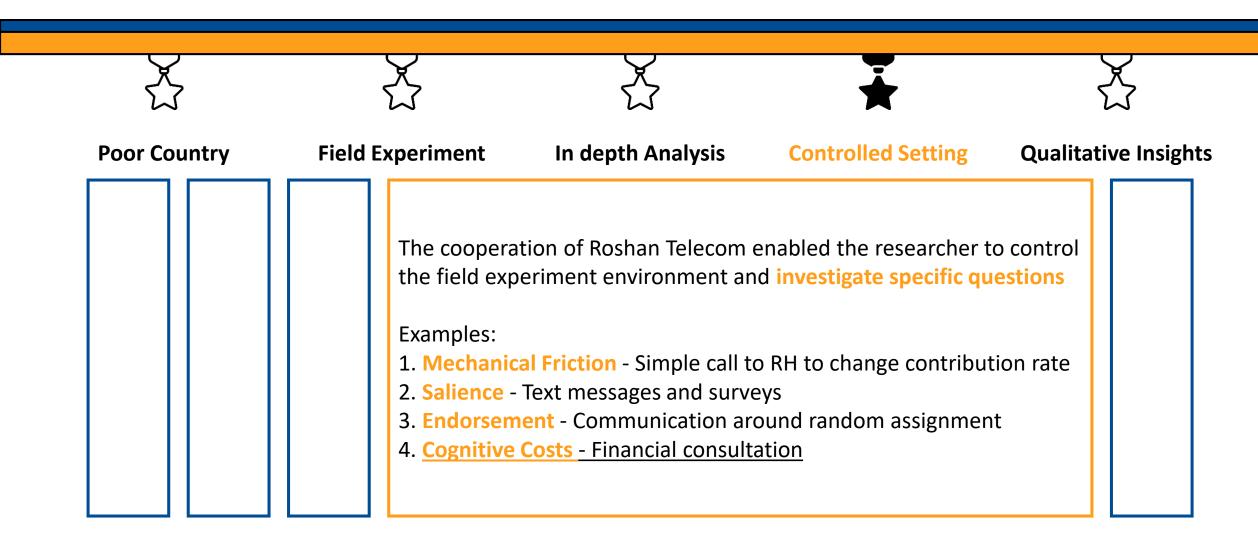


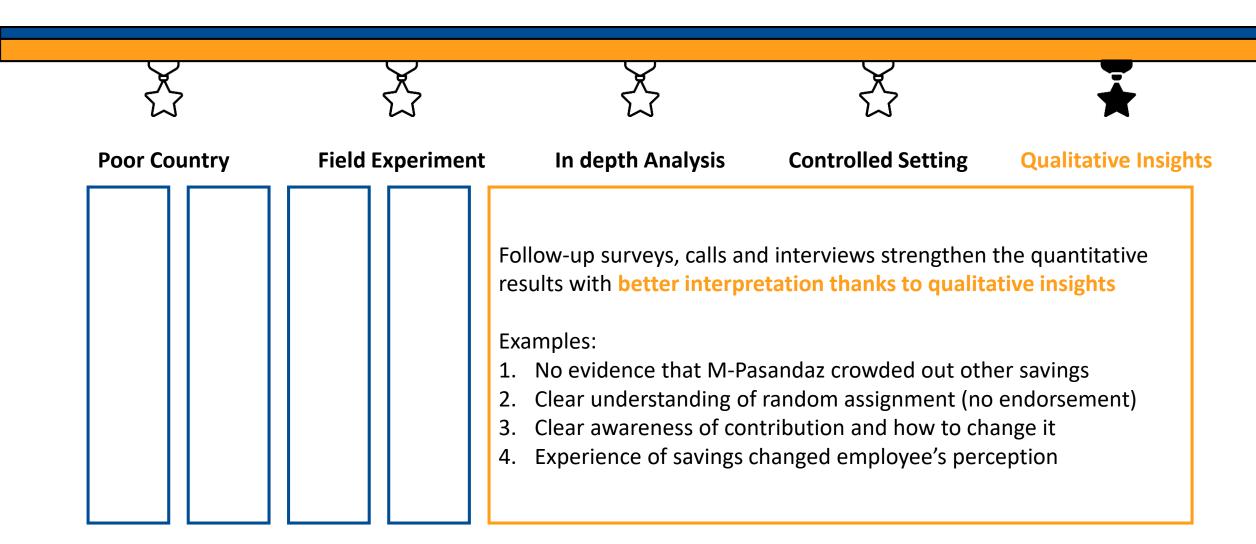












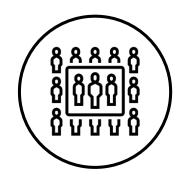
Limitations | Areas for improvements



Simplistic context

In this field experiment, there are no tax considerations and no asset mixes to choose from

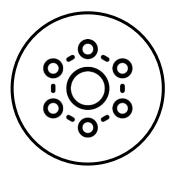
It prevents us from characterizing inertia resulting from defaults work because we cannot generalize to rich countries



Unrepresentative sample

The sample is significantly wealthier than the average Afghan (9x average GDP/cap)

The magnitude of the default effect and its price relative to financial incentives might not hold



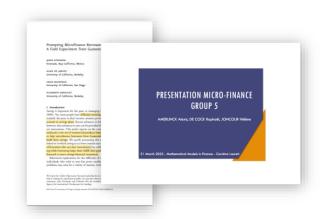
Lack of cross effects

The field experiment design is meant to get rid of endorsement, mechanical friction and salience effects

It prevents us from understanding the interaction effects between the different drivers mechanisms



Cross effects | Endorsement, mechanical friction & salience



Endorsement

Individuals, especially with low financial literacy can perceive the default saving rate as a recommendation

They are also less likely to give in to selfcontrol problems because the rate seems less arbitrary

Atkinson, J., De Janvry, A., McIntosh, C., & Sadoulet, E. (2013). Prompting microfinance borrowers to save: A field experiment from Guatemala. *Economic Development and Cultural Change*, *62*(1), 21-64.





Mechanical Friction

Mechanical friction can be seen as the hassle cost of an action

Intentionally designing such costs is a great way to change the choice architecture

Ex: plug your cell phone far from your bed to avoid bedtime procrastination

Salzer, S. (2021, April 25). Your Commitment Devices Database. Fetched on Behavior Design Hub: https://medium.com/behavior-design-hub/your-commitment-devices-database-35a54df3a64f



Salience

The salience bias represents the fact that people only use the most recent information in their brain to take their decisions

The role of nudging is thus to bring back important decision criteria to the top of their mind

Singler, E. (2018). Nudge management: Applying behavioural science to boost well-being, engagement and performance at work. Pearson.

Thank you for your attention



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