Financial Literacy and Financial Inclusion Connecting the Dots with Behavioral Science

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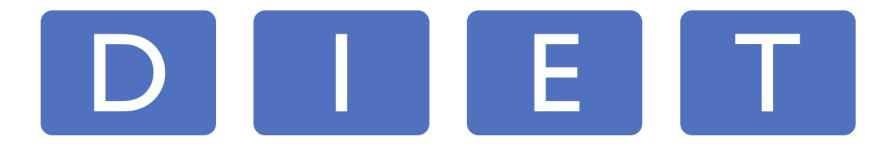
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Methodology Behavioral Science

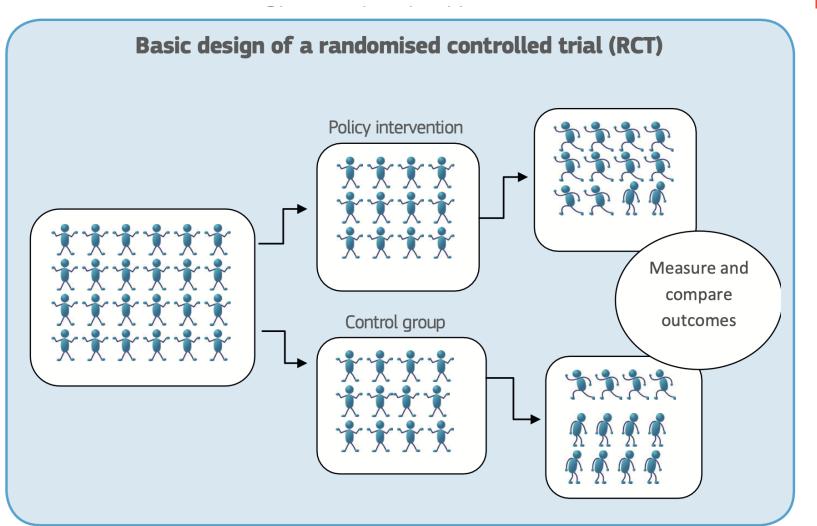
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First randomization Science

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Lourenço, J. S., Ciriolo, E., Almeida, S. R., & Troussard, X. (2016). JRC Science Hub, European Commission.

Second randomization Vignette experiment

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A client enters your office in the last minute of a busy workday.

Luis is a 35-year-old **Peruvian** with two kids (3 and 14 years old), a high school diploma, and owns a small convenience store where his family works. Luis is applying for a loan to buy some appliances to renovate his business. He brings a folder with the documents needed to apply.

Luis is a 35-year-old Venezuelan with two kids (3 and 14 years old), a high school diploma, and owns a small convenience store where his family works. Luis is applying for a loan to buy some appliances to renovate his business. He brings a folder with the documents needed to apply.

Ana is a 35-year-old **Peruvian** with two kids (3 and 14 years old), a high school diploma, and owns a small convenience store where her family works. **Ana** is applying for a loan to buy some appliances to renovate her business. She brings a folder with the documents needed to apply.

Ana is a 35-year-old **Venezuelan** with two kids (3 and 14 years old), a high school diploma, and owns a small convenience store where his family works. **Ana** is applying for a loan to buy some appliances to renovate her business. She brings a folder with the documents needed to apply.



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Improving digital inclusion in conflict

areas

External factors





Cauca Valley DMP in Southwest Colombia

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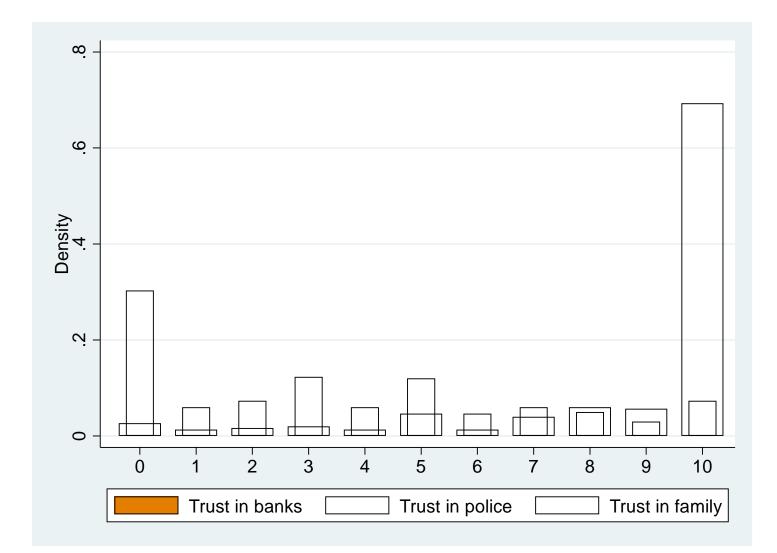
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Violence Scarcity Gender bias

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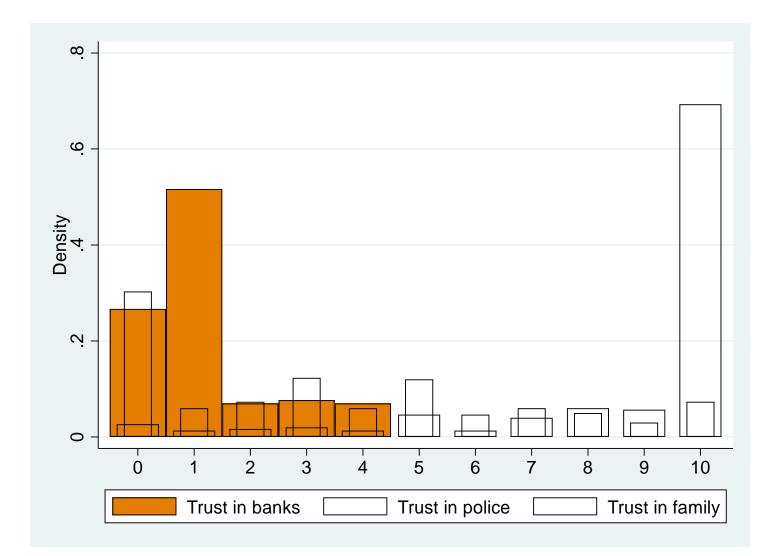




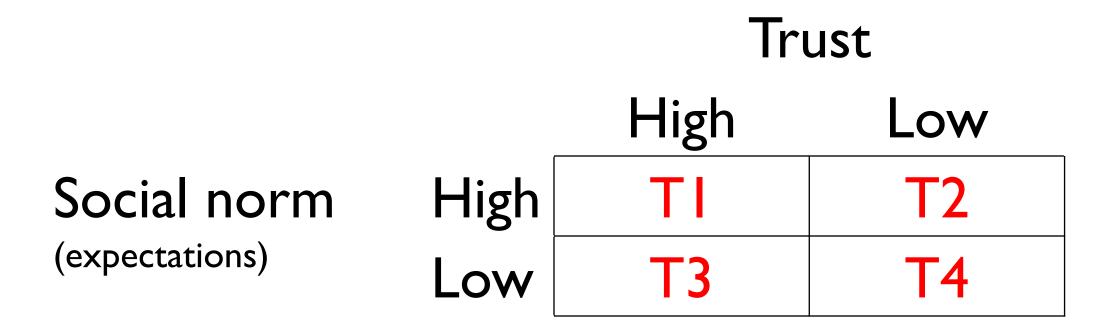


Police, family and banks Trust



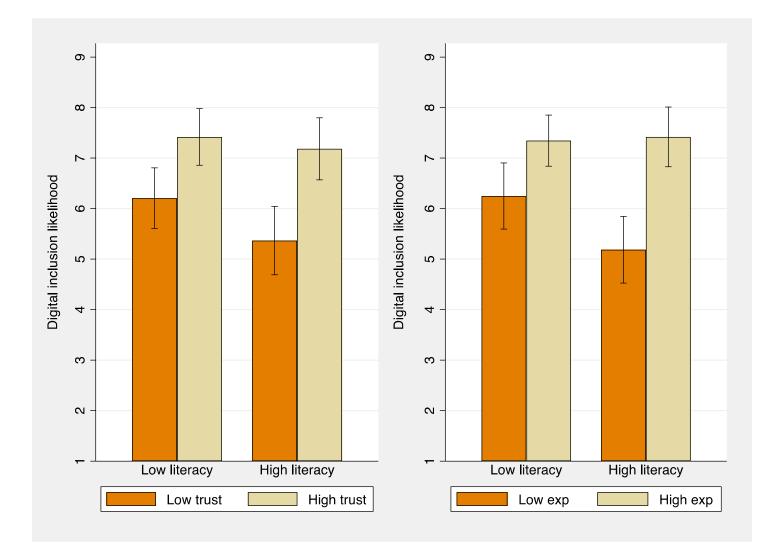






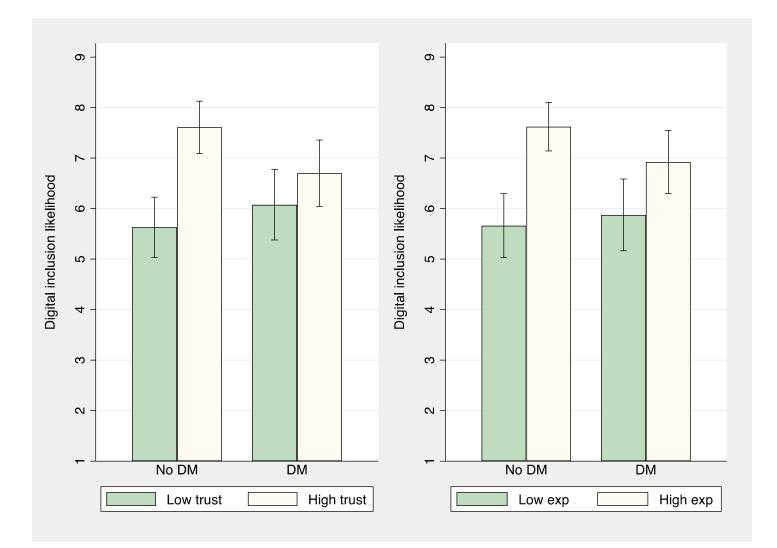
Literacy and inclusion Frustration











Conflict areas in Colombia Lessons #1



Behavioral Economics Institute Financial Education goes beyond numerical and financial literacy

Discriminatory norms substantially reduce inclusion (-24pp/50%)

Low trust in financial intermediaries prevent rural women from fintech inclusion (-22pp/44%)



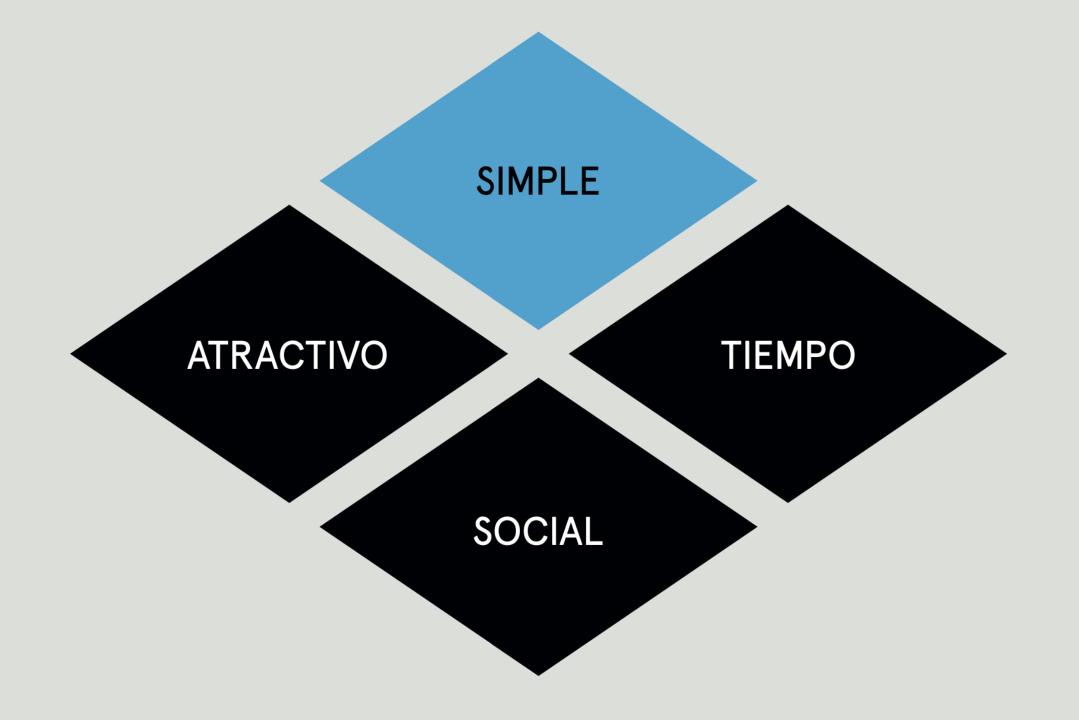
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Reducing overindebtedness in payday borrowers

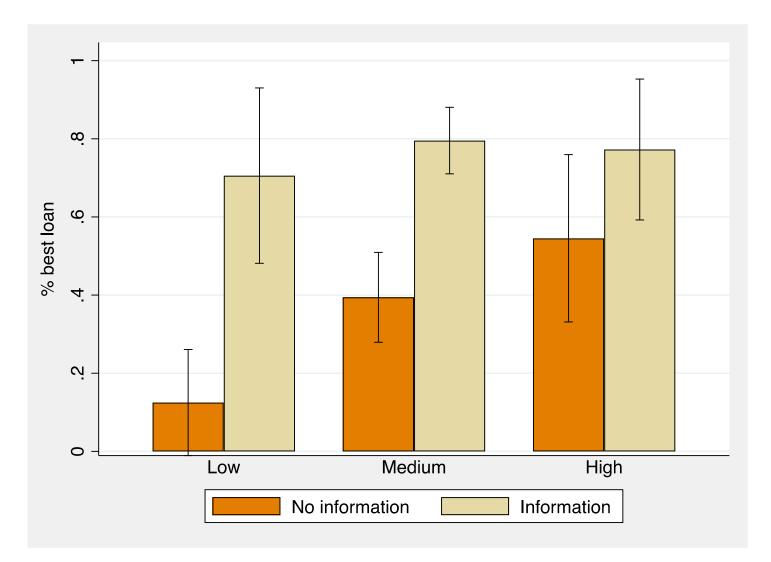
Diagnosis and Intervention

eMBeD Mind, Behavior, and Development Unit



Literacy Choosing right

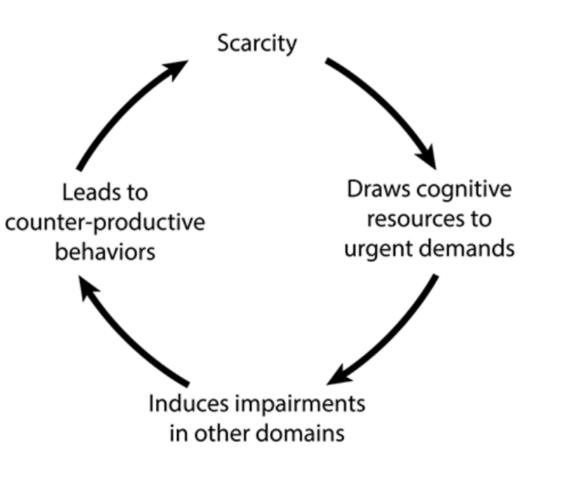




Scarcity The vicious circle

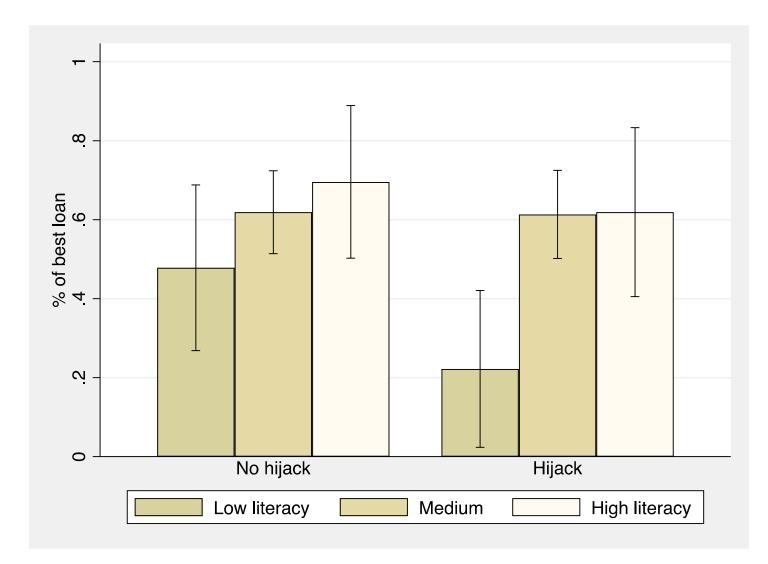


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Scarcity and literacy Choosing right

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Over/indebtedness in large cities Lessons #2



Behavioral Economics Institute Information helps to reduce overindebtedness

Financial literacy boosts the positive effect of information

Scarcity hijacks the cognitive resources of illiterate (+23pp/55%)



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Discriminatory Beliefs of Bank Executives in Peru

Diagnosis and intervention









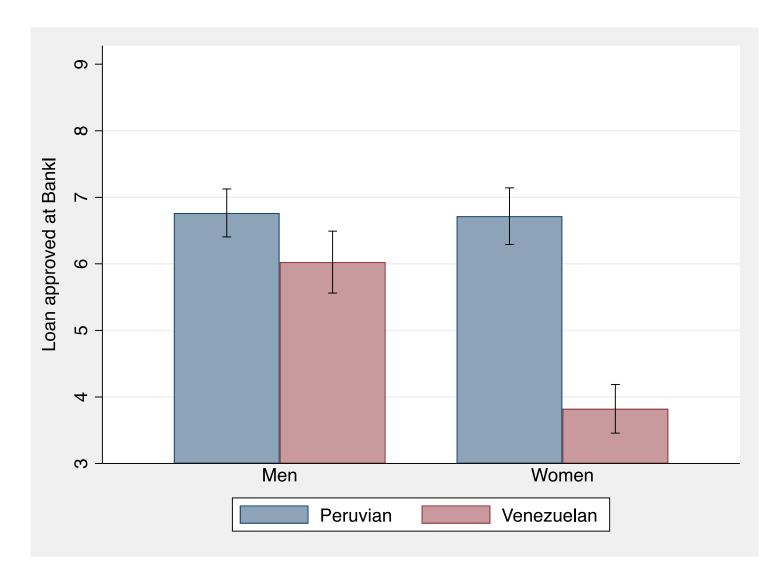
Sex and origin Intersectional discrimination

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Financial literacy and preferences' beliefs Knowledge bias



	Peruvian	Venezuelan	p-value		Peruvian	Venezuelan	p-value
Financial literacy	5.558	5.387	0.335	Collateral	5.271	5.473	0.410
· ·	(0.127)	(0.124)			(0.160)	(0.185)	
Financial abilities	4.919	5.027	0.604	Income	5.403	5.424	0.927
	(0.158)	(0.136)			(0.163)	(0.168)	
	Men	Women	p-value		× /		
Financial literacy	5.571	5.370	0.259	Paperwork	5.480	5.286	0.382
	(0.127)	(0.124)			(0.155)	(0.158)	
Financial abilities	5.013	4.932	0.695	Website issues	4.855	4.991	0.589
	(0.144)	(0.151)			(0.185)	(0.171)	

Biased beliefs Lessons #3



Behavioral Economics Institute Intersectional discrimination rampant

Financial exclusion of migrants consistent with systemic and preference-based discrimination

Beliefs about migrants not different





Improving the Literacy of Gatekeepers

Large intervention

eMBeD Mind, Behavior, and Development Unit

Civil servants Exclusion in Ecuador

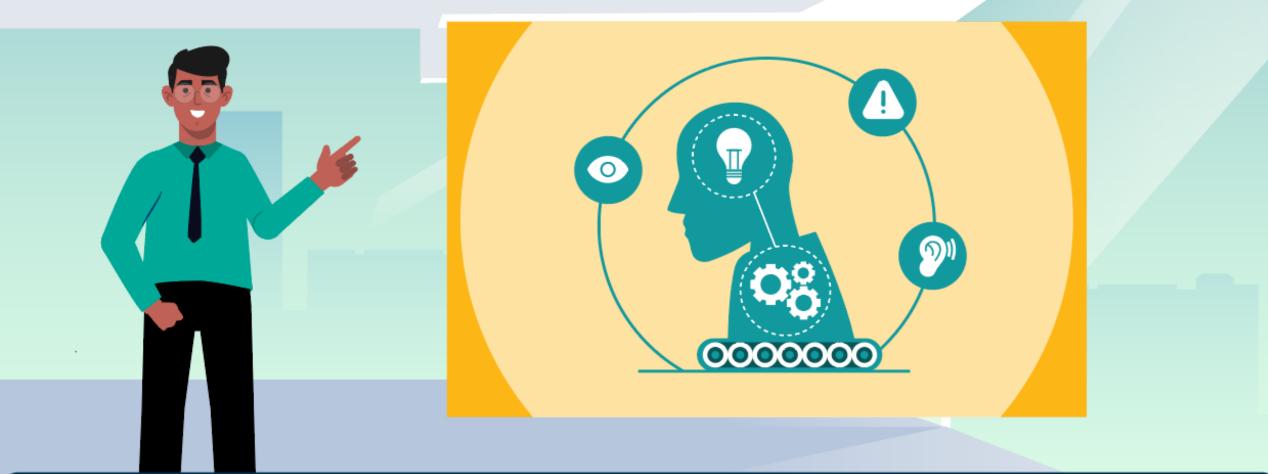






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El cerebro y los sesgos

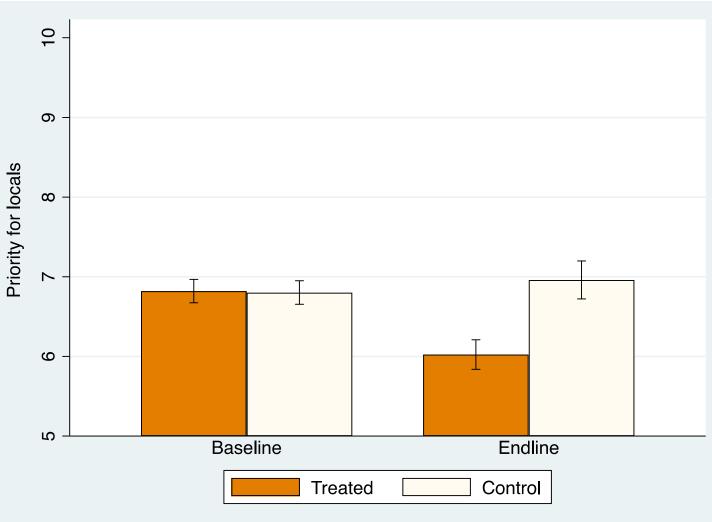




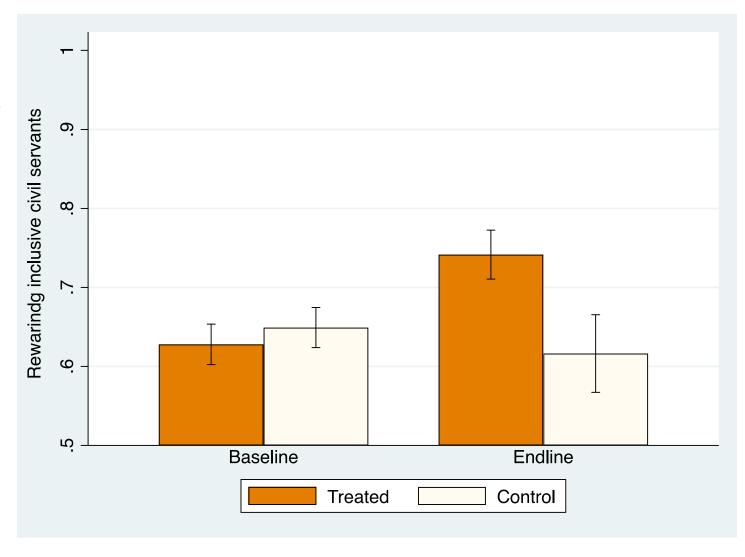


Systemic (I) Priority for locals





Systemic (II) Compensation scheme





Training gatekeepers Lessons #4



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...decreases systemic and preference-based discrimination

...makes gatekeepers more open to systemic changes

Summary How to inform systemic changes?

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Behavioral science can help...

...fighting discriminatory norms and low trust ...designing interventions to mitigate cognitive hijacking ...identifying unconscious bias and inaccurate beliefs ...making systemic changes more likely



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Edutainment

Challenging groups



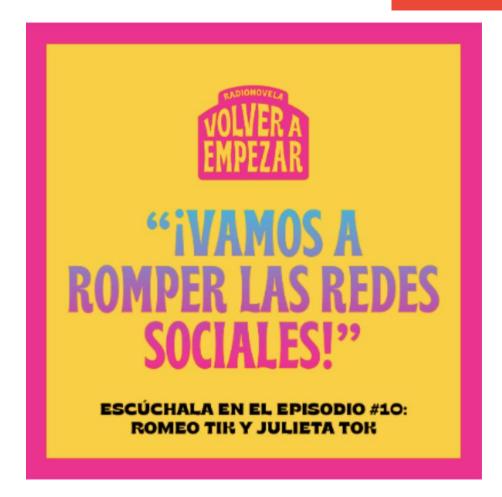


Exclusion (targeting youth: 480,000 impressions) Edutainment (I)

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Exclusion (in conflict areas: civil servants and communities) Edutainment (II)



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