POWER POSITIVE FRICTION

USER INSIGHTS

- + BEHAVIORAL ECONOMICS PRINCIPLES
- = BEHAVIORAL DESIGN

User research can help us understand the specifics behind peoples' motivations, values, or small barriers...

INFORMED BY LIVING IN THE HERE AND NOW

Behavioral economics principles help us understand how heuristics and biases manifest as general tendencies...

HUMAN TENDENCIES OVER TIME...

WE'RE NOT ALWAYS RATIONAL...

WE OFTEN
LACK THE
INFORMATION
WE NEED...

WE DON'T
ALWAYS ACT IN
OUR OWN BEST
INTEREST...

COGNITIVE BIASES GET IN THE WAY YET WE ARE
SWAMPED
WITH CONTENT

AND THAT'S
ASSUMING WE
KNOW WHAT IT IS

FRICTION IS USUALLY ASSUMED TO BE NEGATIVE

THUS, FREQUENTLY, THE GOAL IS TO MAKE THINGS (ESSENTIALLY)

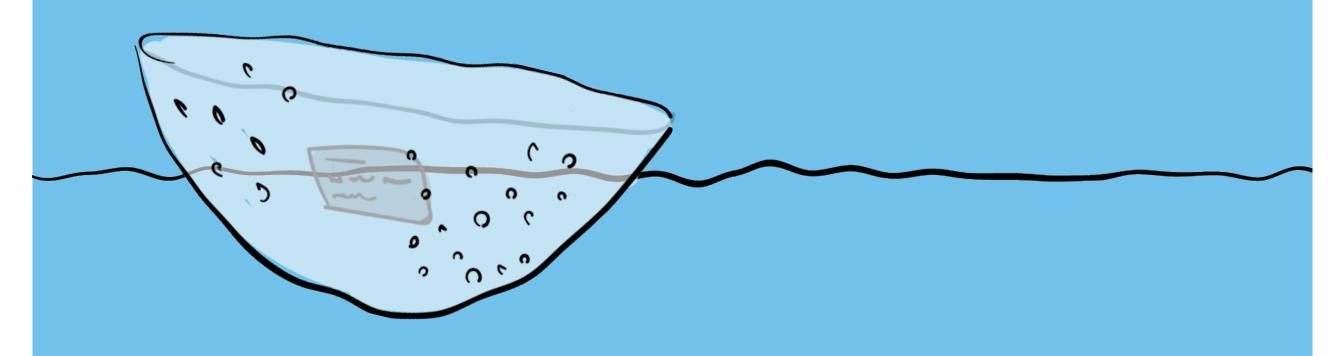
TOO EASY NOT TO DO

AMAZON PRIME

BUT ALSO:

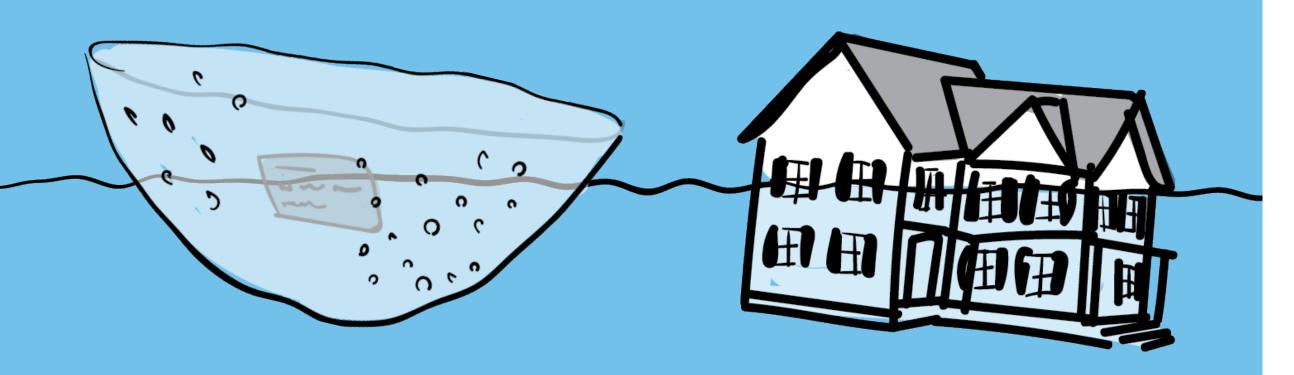
ORGAN DONATION, RETIREMENT SAVINGS

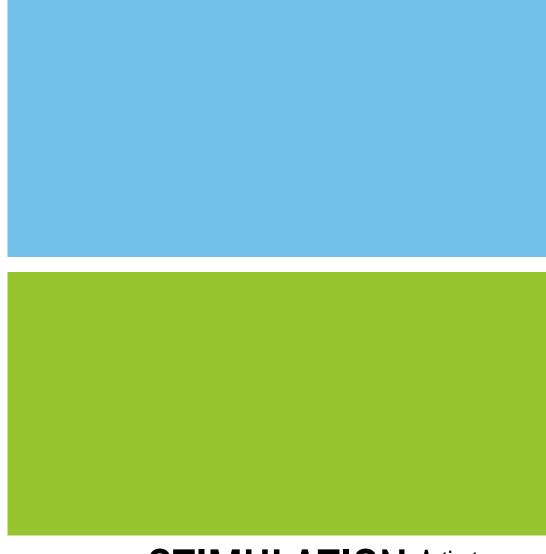
BUT EFFICIENCY ≠ EFFECTIVENESS



POSITIVE FRICTION

STALLS USER BEHAVIOR FOR POWERS OF GOOD

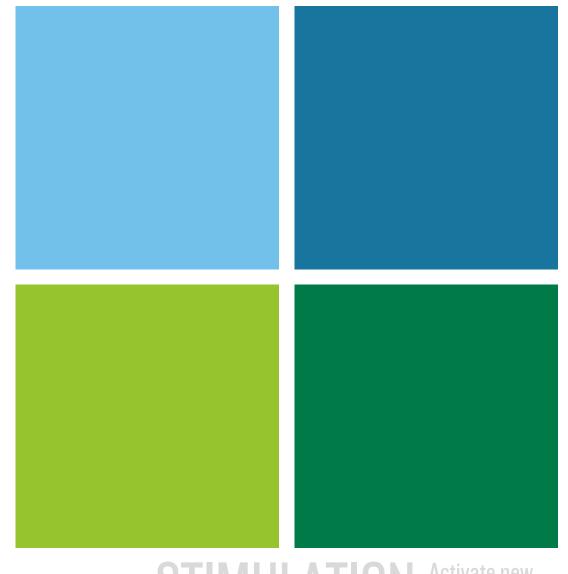




STIMULATION Activate new behaviors

INTENTIONALITY

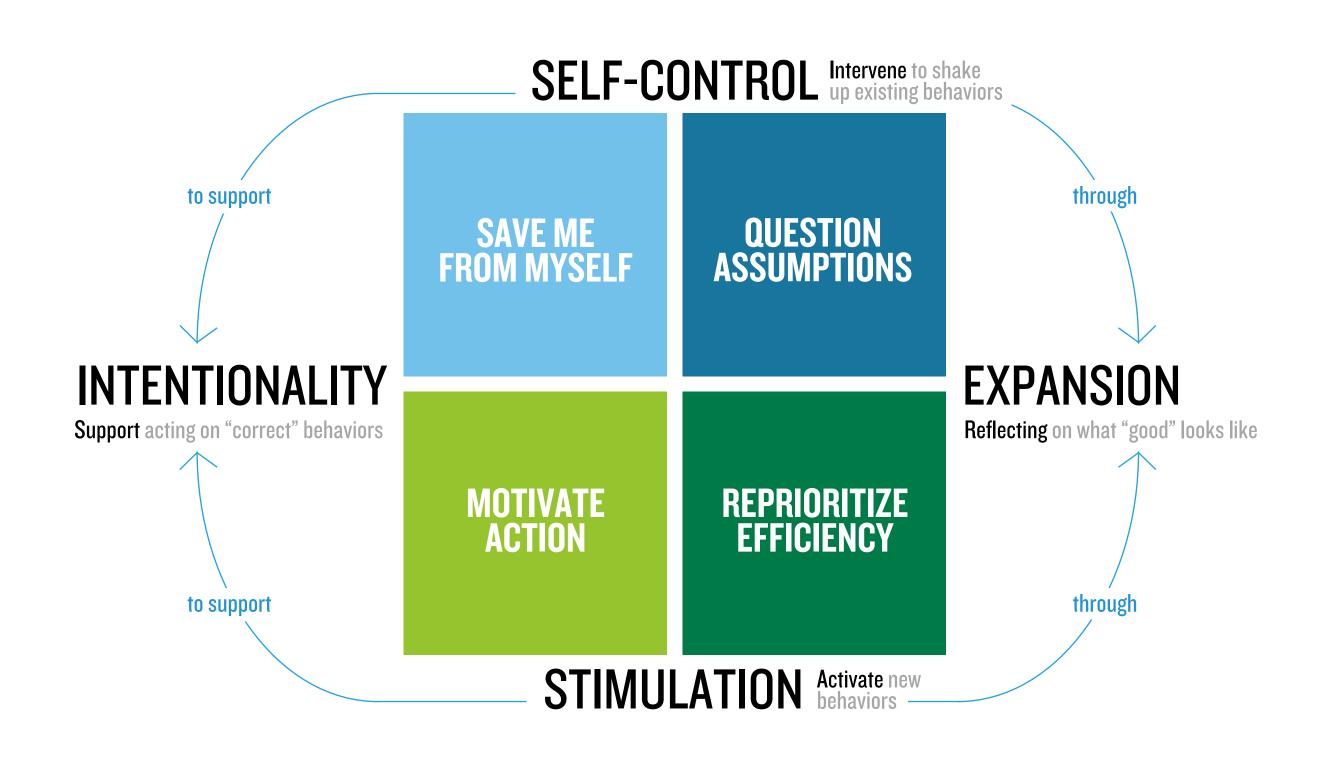
Support acting on "correct" behaviors



EXPANSION

Reflecting on what "good" looks like

STIMULATION Activate new behaviors



to support

INTENTIONALITY

Support acting on "correct" behaviors

SAVE ME FROM MYSELF QUESTION ASSUMPTIONS

MOTIVATE ACTION

DEPRIORITIZE EFFICIENCY

through

EXPANSION

Reflecting on what "good" looks like

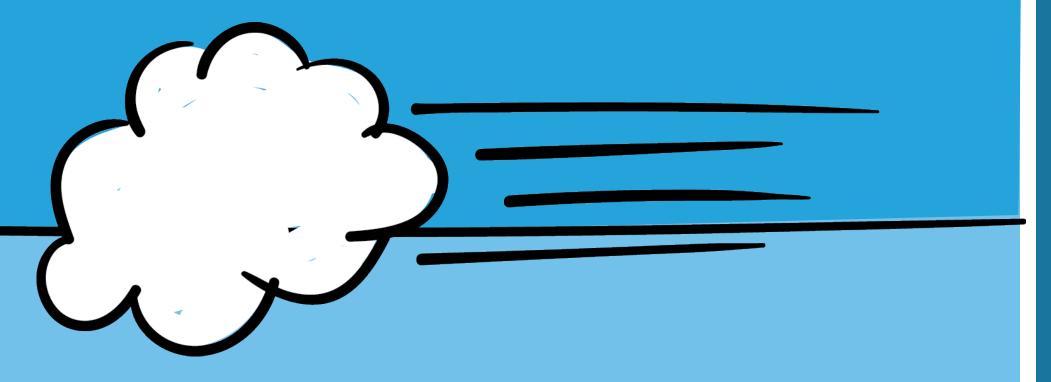
STIMULATION Activation behavior



STRUGGLING WITH TEMPTATION OR AN ABILITY TO FOLLOW THROUGH



INTENTIONALITY



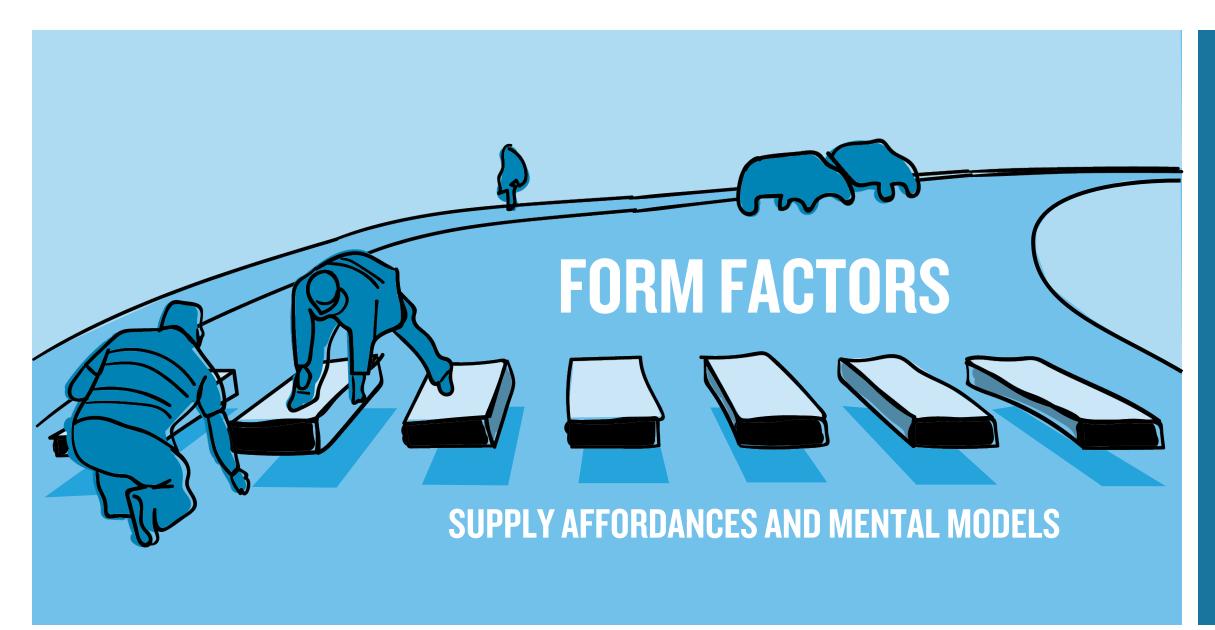
DEVICE-LIMITED BEHAVIOR THROUGH

REDUCED FUNCTIONALITY





INTENTIONALITY



INTENTIONALITY

MATH PROBLEMS SERVING AS A

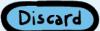
WAITING PERIOD

Mail Goggles

It's that time of day. Gmail aims to help you in many ways. Are you sure you want to send this? Answer some simple math problems to verify

43 seconds

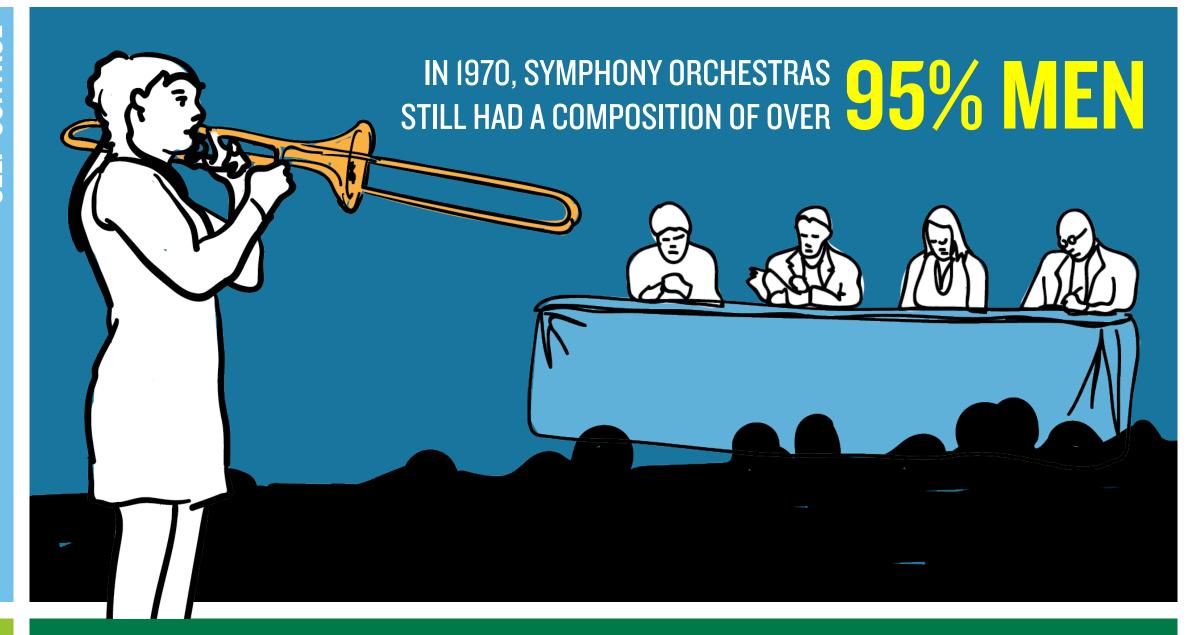




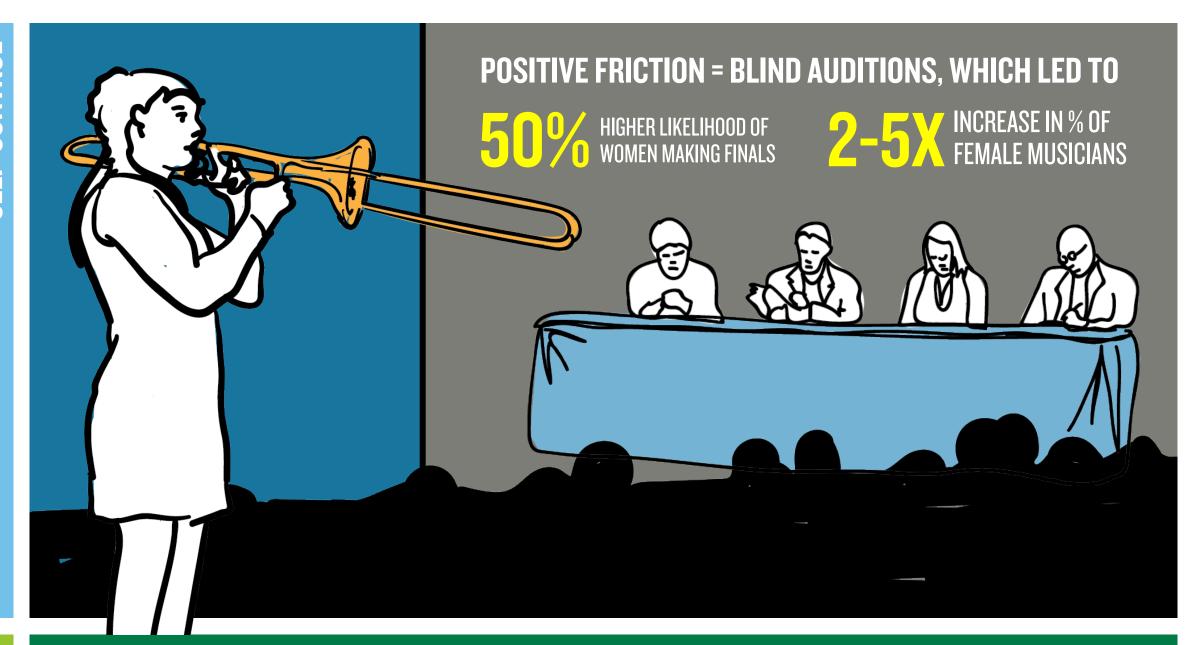


DESIRE TO EXPLORE NEW KINDS OF "RIGHT" ANSWERS

A father and son are in a horrible car crash that kills the dad. The son is rushed to the hospital; just as he's about to go under the knife, the surgeon says "I can't operate, that boy is my son!"

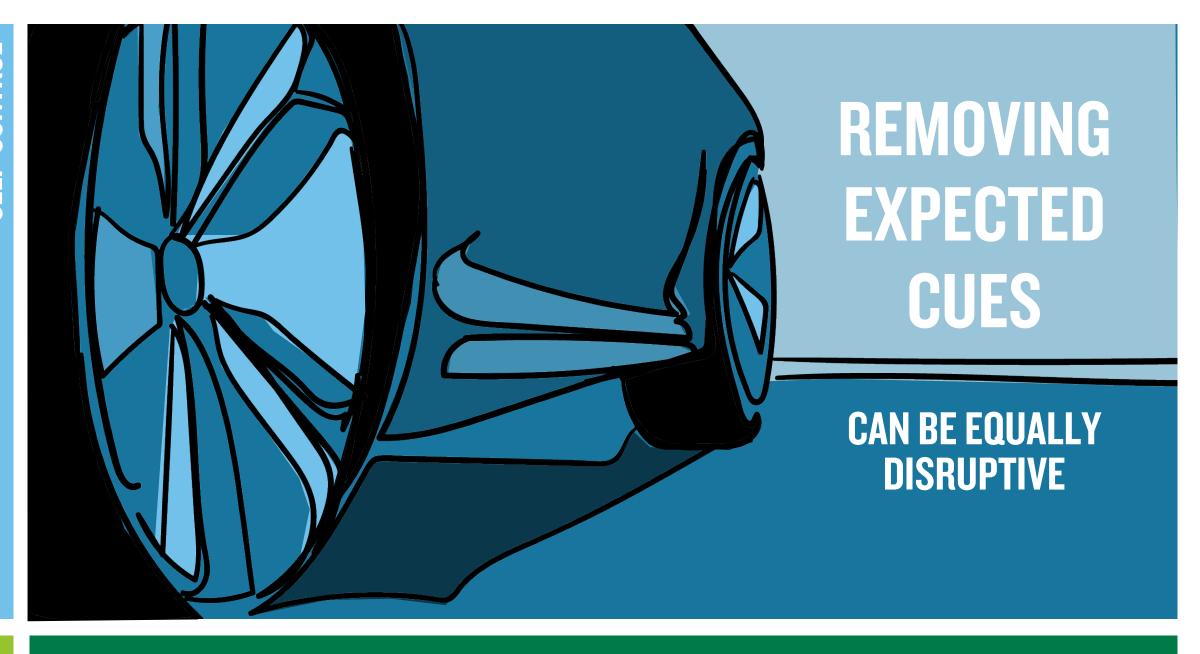


EXPANSION



EXPANSION

The quick brown fox jumps over the lazy dog



EXPANSION



EXPANSION

PERSONAL

(e.g. messaging, appeal to identity)

MECHANICAL

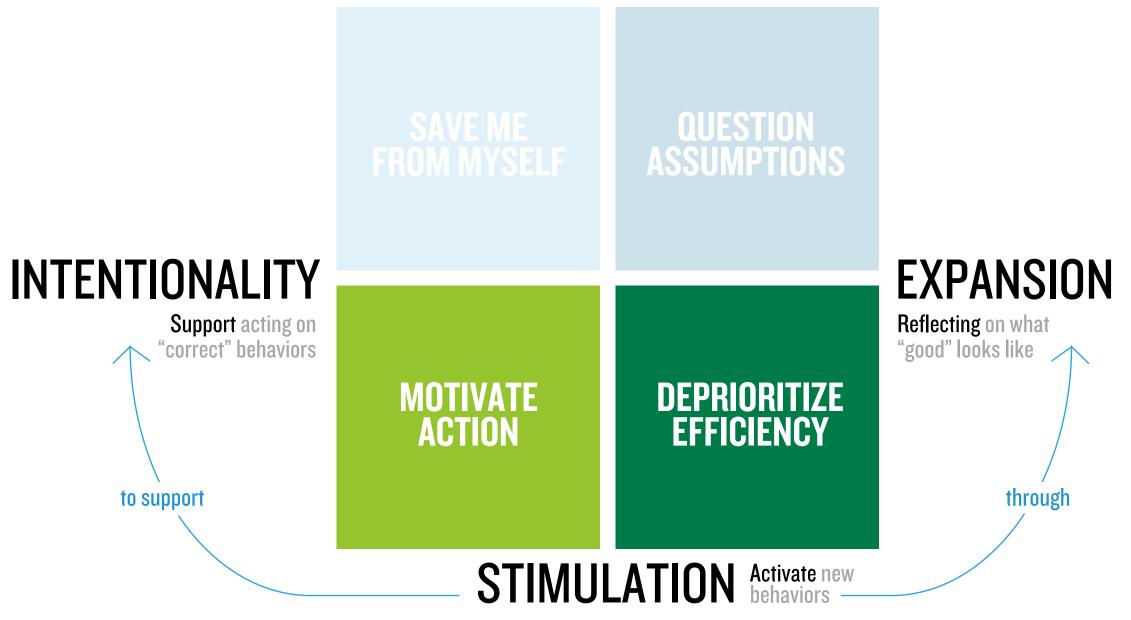
(e.g. device or product-based, interface, which options you provide)

ENVIRONMENTAL

(e.g. physical space, social or cultural reinforcement)

SYSTEMIC

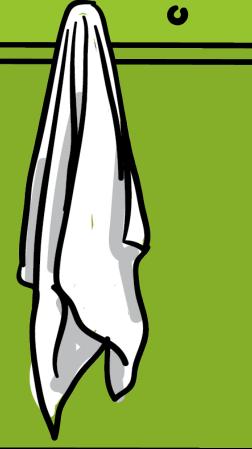
(e.g. policies, penalties, formal metrics and incentives)



LASSO EFFECT

REFRAMING OUR SENSE OF SELF THROUGH SOCIAL COMPARISON





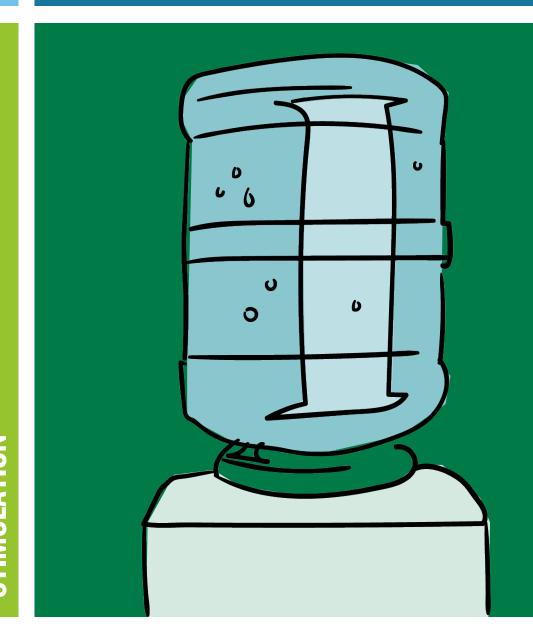


COMMITMENT CONTRACTS



EXPANSION





THROUGH MAKING CONNECTIONS, NOT BY SEARCHING

TRUSTED SOURCES

CAN BE MORE
IMPORTANT THAN
EXPERTISE



SAVE ME FROM MYSELF

Dampen temptation by ceding control or reduced functionality

Focus on the environment: disrupt the norm or add "speed bumps"

Policy: Waiting periods or intentional pauses

QUESTION ASSUMPTIONS

Recognize—and design around—when mental shortcuts rule

Introduce structures that slow down autopilot behaviors or processing modes Intentionally remove cues to raise

MOTIVATE ACTION

Make the abstract more concrete

Present a sense of where I stand

Redirect attention to adjacent goals or by introducing novelty

Externalize commitment and accountability

REPRIORITIZE EFFICIENCY

awareness or accountability

Introduce mechanisms to support exploration, in addition to search

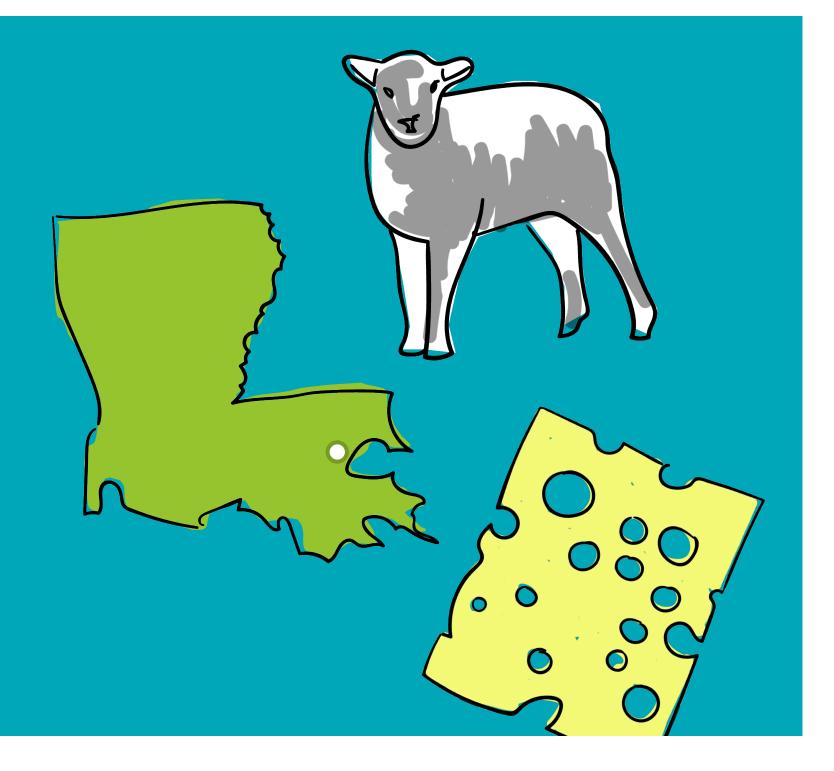
Recognize where trusted sources are the best channel to deliver information

Heighten a sense of ownership and investment

PEOPLE ARE IRRATIONAL...

BUT ALGORITHMS ARE ALSO

BIASED



CONTROL - CONFIDENCE - COMPETENCE

BUT DO I WANT TO?

HOW CONFIDENT AM I?



BEHAVIORAL CHANGE IS CONTEXTUAL AS MUCH AS IT IS INDIVIDUAL

WITH GREAT POWER COMES GREAT RESPONSIBILITY



May 24-25 at the Institute of Design

Design Intersections

Design + Data + Behavior

Ruth Schmidt schmidt@id.iit.edu