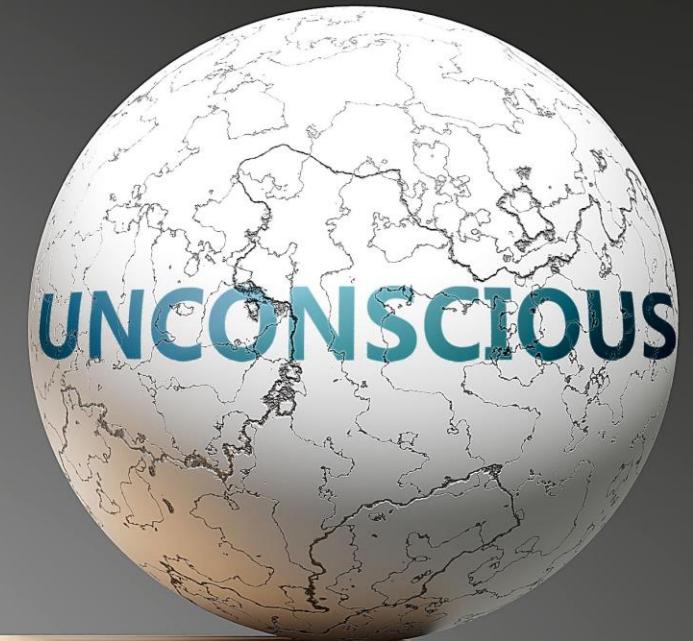


BREAKING BAD (HABITS)

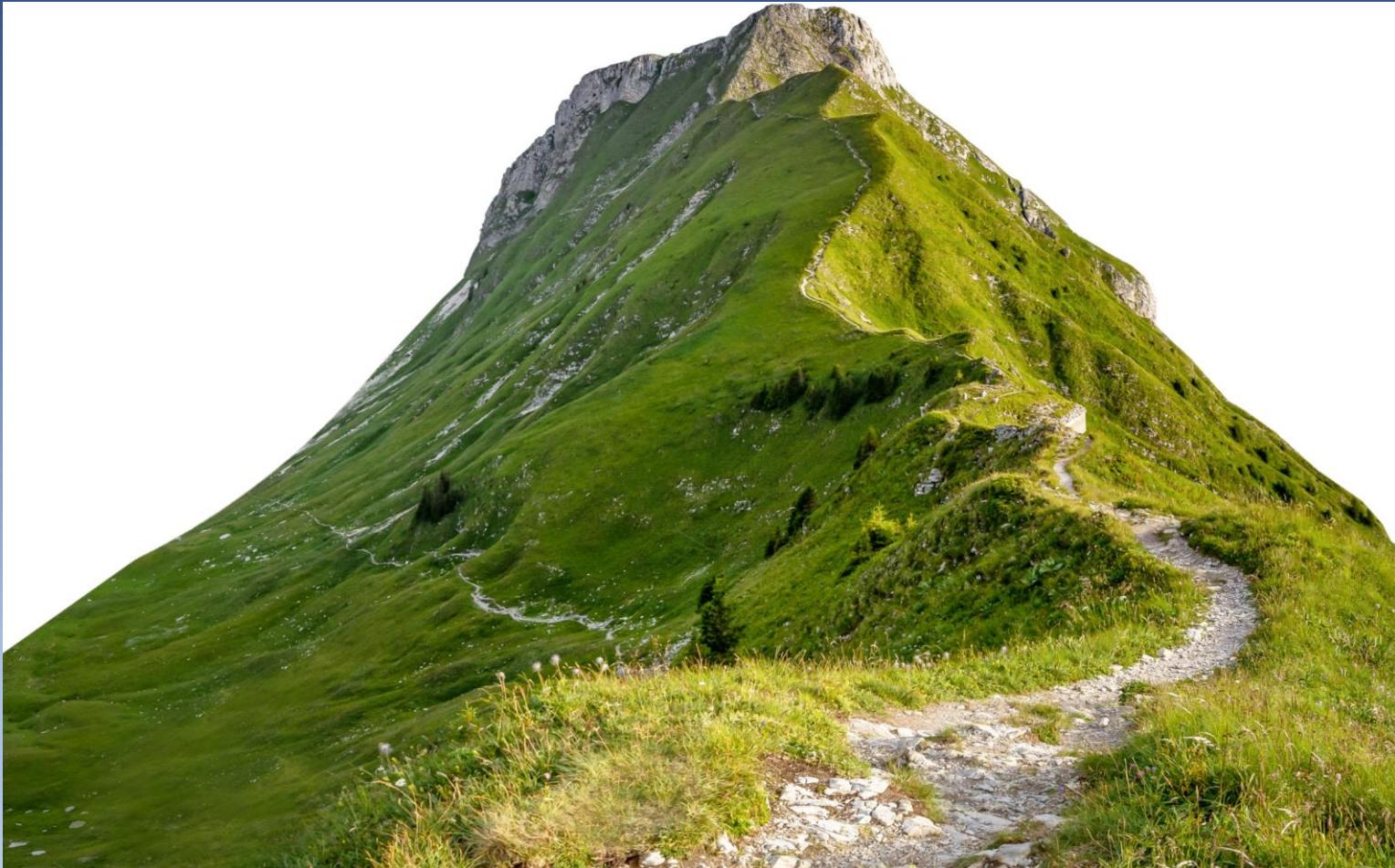
Delivering effective change in a world that likes to do things the way they've always been done







Habits



Status Quo Bias



Loss aversion

10% increase in price = 7.8% reduced demand

10% decrease in price = 3.3% increased demand



Present vs future bias



Social Norms

“You can show your respect for nature and help save the environment by reusing your towels during your stay.”

“75% of guests who stayed in this room participated in our new resource savings by using their towels more than once. You can join your fellow guests in this program to help save the environment by reusing your towels during your stay.”



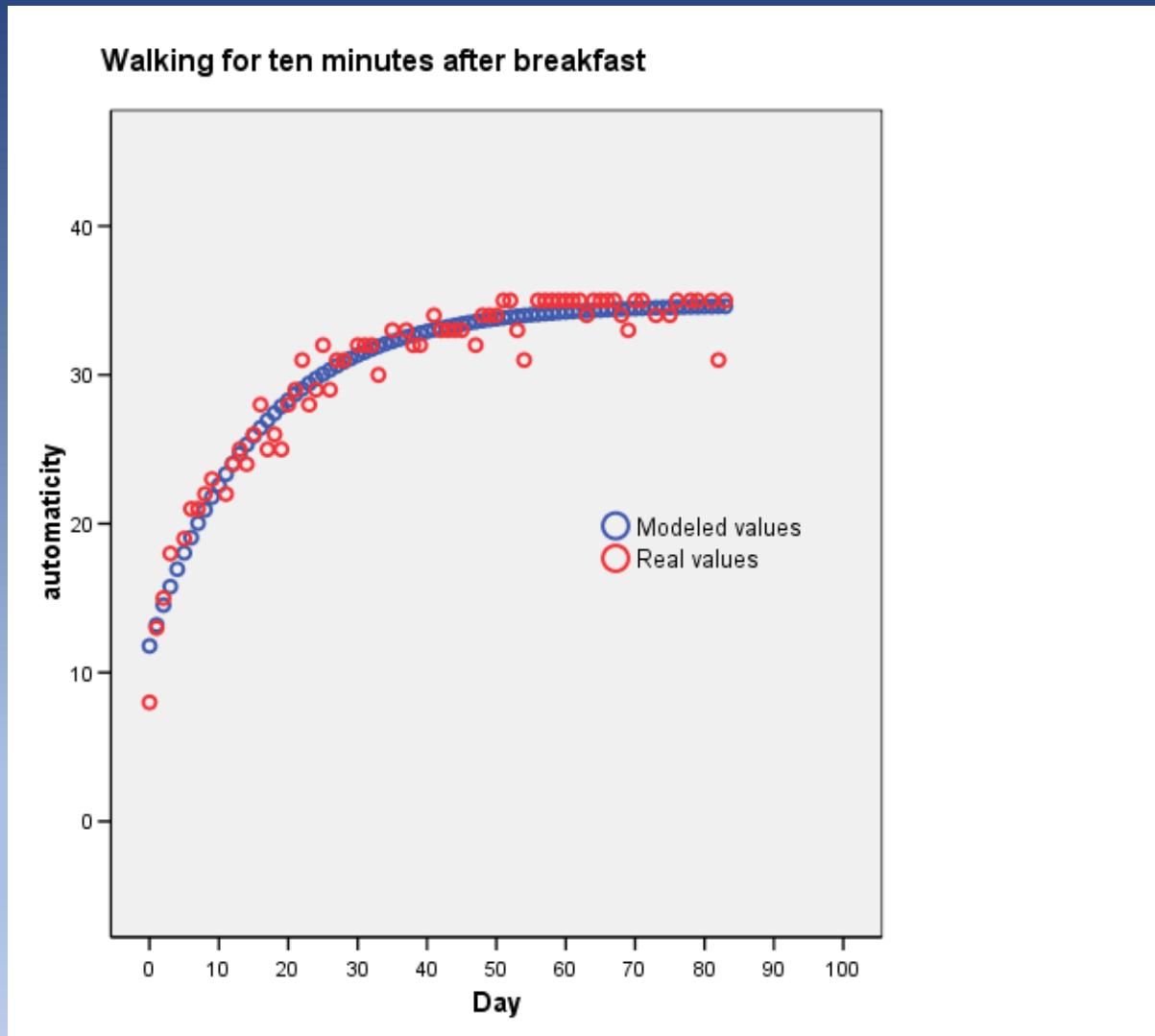
Using our understanding of unconscious processes to promote change



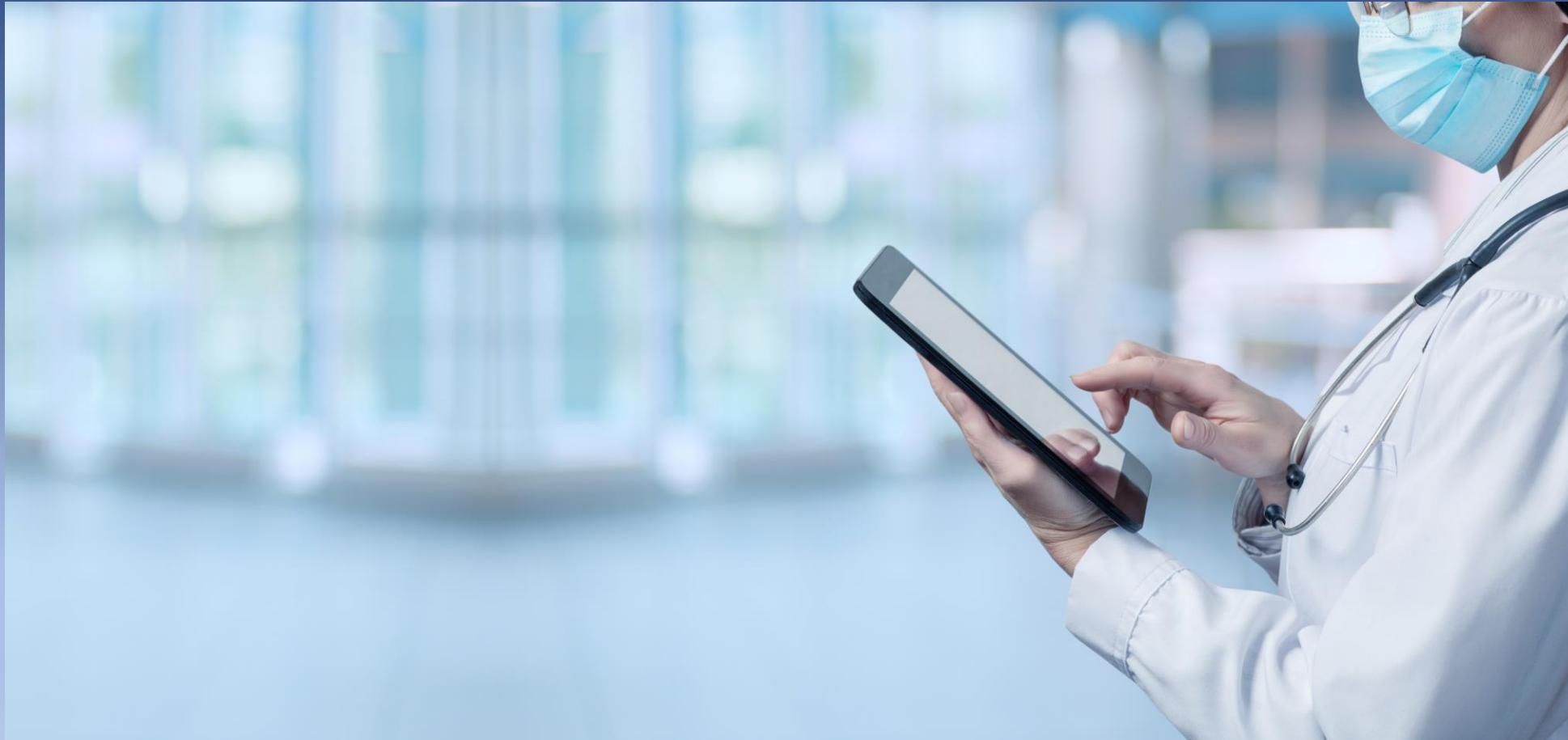
Breaking habits



Making habits



Reduce friction: move it closer



Defaults



From 20 May 2020
**the law around organ donation
in England is changing**

Loss and gain frames



The Decoy Effect



Dan Berry
@Dan_Berry79

The decoy effect describes how, when choosing between two alternatives, adding an inferior third option - the decoy - influences perception of the original choices. The decoy has the objective of making other options seem more attractive. Congrats @RishiSunak #behaviouralscience

11:36 am · 25 Oct 2022 · Twitter Web App

Commitment devices



Norm information





References

Habits

Benjamin Gardner & Phillipa Lally (2022) Habit and habitual behaviour, *Health Psychology Review*, DOI: [10.1080/17437199.2022.2105249](https://doi.org/10.1080/17437199.2022.2105249)

Wood, W., Quinn, J. M., & Kashy, D. A. (2002). Habits in everyday life: Thought, emotion, and action. *Journal of Personality and Social Psychology*, 83(6), 1281–1297.
<https://doi.org/10.1037/0022-3514.83.6.1281>

Verplanken, B., Aarts, H. and Van Knippenberg, A. (1997), Habit, information acquisition, and the process of making travel mode choices. *Eur. J. Soc. Psychol.*, 27: 539-560.
[https://doi.org/10.1002/\(SICI\)1099-0992\(199709/10\)27:5<539::AID-EJSP831>3.0.CO;2-A](https://doi.org/10.1002/(SICI)1099-0992(199709/10)27:5<539::AID-EJSP831>3.0.CO;2-A)

Status Quo Bias

Samuelson, W., & Zeckhauser, R. (1988). Status quo bias in decision making. *Journal of risk and uncertainty*, 1(1), 7-59.

References

Loss aversion

Putler, D. S. (1992). Incorporating Reference Price Effects into a Theory of Consumer Choice. *Marketing Science*, 11(3), 287-309. doi:10.1287/mksc.11.3.287

Brown, Alexander L. and Imai, Taisuke and Vieider, Ferdinand and Camerer, Colin F., Meta-Analysis of Empirical Estimates of Loss-Aversion (2021). CESifo Working Paper No. 8848, Available at SSRN: <https://ssrn.com/abstract=3772089> or <http://dx.doi.org/10.2139/ssrn.3772089>

Present vs Future Bias

Taisuke Imai, Tom A Rutter, Colin F Camerer, Meta-Analysis of Present-Bias Estimation using Convex Time Budgets, The Economic Journal, Volume 131, Issue 636, May 2021, Pages 1788–1814, <https://doi.org/10.1093/ej/ueaa115>

W. Mischel, Y. Shoda, M.I. Rodriguez. Delay of gratification in children. *Science*, 244 (1989), pp. 933-938

References

Social Norms

Goldstein, N. J., Cialdini, R. B., and Griskevicius, V. (2008). A room with a viewpoint: using social norms to motivate environmental conservation in hotels. *J. Consum. Res.* 35, 472–482. doi: 10.1086/586910

Vartanian LR, Sokol N, Herman CP, Polivy J. Social models provide a norm of appropriate food intake for young women. *PLoS One*. 2013 Nov 13;8(11):e79268. doi: 10.1371/journal.pone.0079268. PMID: 24236117; PMCID: PMC3827378.

Legros, S., & Cislaghi, B. (2020). Mapping the Social-Norms Literature: An Overview of Reviews. *Perspectives on Psychological Science*, 15(1), 62–80.
<https://doi.org/10.1177/1745691619866455>

Breaking habits

Houten, R.V., Nau, P.A. and Merrigan, M. (1981), REDUCING ELEVATOR ENERGY USE: A COMPARISON OF POSTED FEEDBACK AND REDUCED ELEVATOR CONVENIENCE. *Journal of Applied Behavior Analysis*, 14: 377-387. <https://doi.org/10.1901/jaba.1981.14-377>

Gardner B, Richards R, Lally P, Rebar A, Thwaite T, Beeken RJ. Breaking habits or breaking habitual behaviours? Old habits as a neglected factor in weight loss maintenance. *Appetite*. 2021 Jul 1;162:105183. doi: 10.1016/j.appet.2021.105183. Epub 2021 Feb 27. PMID: 33651994.

References

Making habits

Lally, P., Van Jaarsveld, C. H., Potts, H. W., & Wardle, J. (2010). How are habits formed: Modelling habit formation in the real world. *European journal of social psychology*, 40(6), 998-1009.

Carden, L., & Wood, W. (2018). Habit formation and change. *Current opinion in behavioral sciences*, 20, 117-122.

Milkman, K. L., Minson, J. A., & Volpp, K. G. (2014). Holding the hunger games hostage at the gym: An evaluation of temptation bundling. *Management science*, 60(2), 283-299.

Reduce Friction: move things closer

Privitera, G. J., & Zuraikat, F. M. (2014). Proximity of foods in a competitive food environment influences consumption of a low calorie and a high calorie food. *Appetite*, 76, 175-179.

Walton R T, Gierl C, Yudkin P, Mistry H, Vessey M P, Fox J et al. Evaluation of computer support for prescribing (CAPSULE) using simulated cases BMJ 1997; 315 :791
doi:10.1136/bmj.315.7111.791

References

Defaults

Henkel, C., Seidler, A. R., Kranz, J., & Fiedler, M. (2019). How to Nudge Pro-Environmental behaviour: an Experimental Study. In ECIS.

Krieger M, Felder S. Can decision biases improve insurance outcomes? An experiment on status quo bias in health insurance choice. *Int J Environ Res Public Health.* 2013 Jun 19;10(6):2560-77. doi: 10.3390/ijerph10062560. PMID: 23783222; PMCID: PMC3717752.

Loss frames

Kaileigh A Byrne, PhD, Reza Ghaiumy Anaraky, MS, Strive to Win or Not to Lose? Age-Related Differences in Framing Effects on Effort-Based Decision-Making, *The Journals of Gerontology: Series B*, Volume 75, Issue 10, December 2020, Pages 2095–2105, <https://doi.org/10.1093/geronb/gbz136>

Decoy effect

Stoffel ST, Yang J, Vlaev I, von Wagner C (2019) Testing the decoy effect to increase interest in colorectal cancer screening. *PLoS ONE* 14(3): e0213668.
<https://doi.org/10.1371/journal.pone.0213668>

References

Commitment Devices

Breman, A. (2011). Give more tomorrow: Two field experiments on altruism and intertemporal choice. *Journal of Public Economics*, 95(11-12), 1349-1357.

Social Norms Information

Mortensen, C. R., Neel, R., Cialdini, R. B., Jaeger, C. M., Jacobson, R. P., & Ringel, M. M. (2019). Trending Norms: A Lever for Encouraging Behaviors Performed by the Minority. *Social Psychological and Personality Science*, 10(2), 201–210. <https://doi.org/10.1177/1948550617734615>

Books on these topics

Wood, W. (2019). Good habits, bad habits: The science of making positive changes that stick. Pan Macmillan.

Wood, W. (2019). Good habits, bad habits: The science of making positive changes that stick. Pan Macmillan.