Bridging self-report and choice modelling to investigate the accuracy of self-inferred preferences



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Introduction

Self-inferences shape how people see themselves, and ho interact with others. Yet little work has examined the infe people draw about their own preferences. Here, we invest these self-inferences.

Prior accounts of self-inference often reflect one of two v the first holds that self-inferences are coarse and inaccu whereas the second holds that, in some cases, self-infe can be fine-grained and precise⁵⁻⁶.

To weigh in on these competing takes, here we asked: ho do self-inferred preferences align with peoples' actual choir

Method: Choices

Participants (Ps) made 52 choices to either financially themselves or a charity (prosocial condition), and 52 cho earn one of two types of gift cards for themselves (pe condition).



Choice amounts ranged from 6 times more money asso with one option relative to the other.

	Method: Inferences
ow they erences estigate	Self-inferences : Ps made inferences <i>retros</i> their choices). Half of Ps also made inference (before making any choices). Lastly, Ps <i>confidence</i> in these inferences.
views— urate ¹⁻⁴ , erences	Ps reported preferences for one reward over shifting the proportion of two colored bars:
ow well ices?	more red = stronger preference to benefit charity 6:1 5:2 4:3 3:4 2:5 1:6
	more green = stronger preference for Starbucks GC
benefit bices to ersonal	6:1 5:2 4:3 3:4 2:5 1:6 Model estimates : We compared self-inferences based on Ps' actual ch
₁ 1	$\Delta V = s - \alpha(c)$
oot d	ΔV is the difference in subjective value between each s and c are the objective amounts of money for self a α weights the value of gains for charity, and thus capreference strength for each reward
sociated	When <i>a</i> equals 1, deciders value each reward type choose based on which reward they can earn approaches 0, deciders will choose to benefit thems irrespective of the amount of money that could be ear
	We used Ps' 52 choices to estimate their most I parameter space of the choice trials, via maximum like



after making choices, and across both domains: retrospective confidence (N=67) prosocial personal M=6.19, SD=1.12 M=6.27, SD=1.07

Results



Moreover, Ps self-inferences were highly correlated with choicebased model estimates of their preferences in each domain. This was true for both retrospective and prospective inferences:

retrospective inferences (N=67)



Conclusion

People were highly confident in their self-inferred preferences, and these inferences accurately reflected their choice preferences for personal and prosocial choices as well. These findings hold even when such inferences were made prospectively—suggesting that, contrary to skeptical accounts¹⁻⁴, people may draw on rich, internal representations of their preferences to make selfinferences.

One exciting future direction will be to directly compare self- and social inferences of preferences. Indeed, discerning differences between these processes could deepen our understanding of self-knowledge.







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