Dear Editor:

I would like to ask that you consider our manuscript “Friends aren’t food: pinyon jays show context-dependent numerical cognition” for review and publication in *Biology Letters*. Animals must often discriminate different quantities of objects in their environment, from food items to conspecifics. Yet we know little about how numerical cognitive abilities compare across different object types. Species, and individuals within a species, vary in their numerical cognitive abilities, leading researchers to investigate the mechanisms that underlie context-dependent decision making under controlled experimental settings.

We conducted experiments to investigate quantification of both food and conspecifics in pinyon jays, a corvid species. Each experiment was replicated with two sets of birds, where most birds experienced both the food and social experiment. This within-subject design is the first experiment of its kind to directly measure across contexts. In the food experimental task, subjects chose which of two quantities of food they would prefer to consume. To investigate quantification of conspecifics, we place pinyon jays in a Y maze with different number pairs of conspecifics at the end of each arm of the maze. We found difference performance and different features underlying choices between the two experiments.

We provide the first experimental demonstration that the type of objects to be quantified may drive the cognitive processes that animals use. Many adaptive problems beyond foraging require sensitivity to quantities; therefore, exploring numerical cognition of non-food objects can provide novel insights into the evolution of cognition, making these studies of great interest to the readership of *Biology Letters*.

Attached you will find the manuscript, figures, and supplementary materials. Additionally, we have posted the preregistration, raw data, and R code needed to replicate all our findings and figures at the [Open Science Framework](https://osf.io/g45nk/). We have posted a preprint of this article at [PsyArXiv](https://doi.org/10.31234/osf.io/kxgwt). This work is original and has not been previously published or submitted to another journal. This research is the culmination of my master’s work and I would appreciate this paper to be considered for the early career researcher competition.

Sincerely,

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