

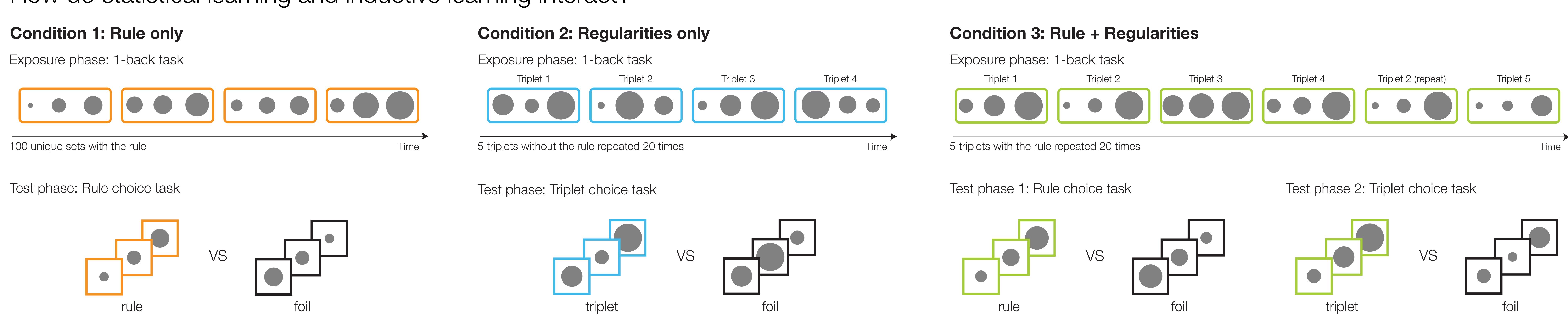
## Stimulus-specific regularities as a basis for perceptual induction

Yu Luo<sup>1</sup> & Jiaying Zhao<sup>1,2</sup>





## How do statistical learning and inductive learning interact?



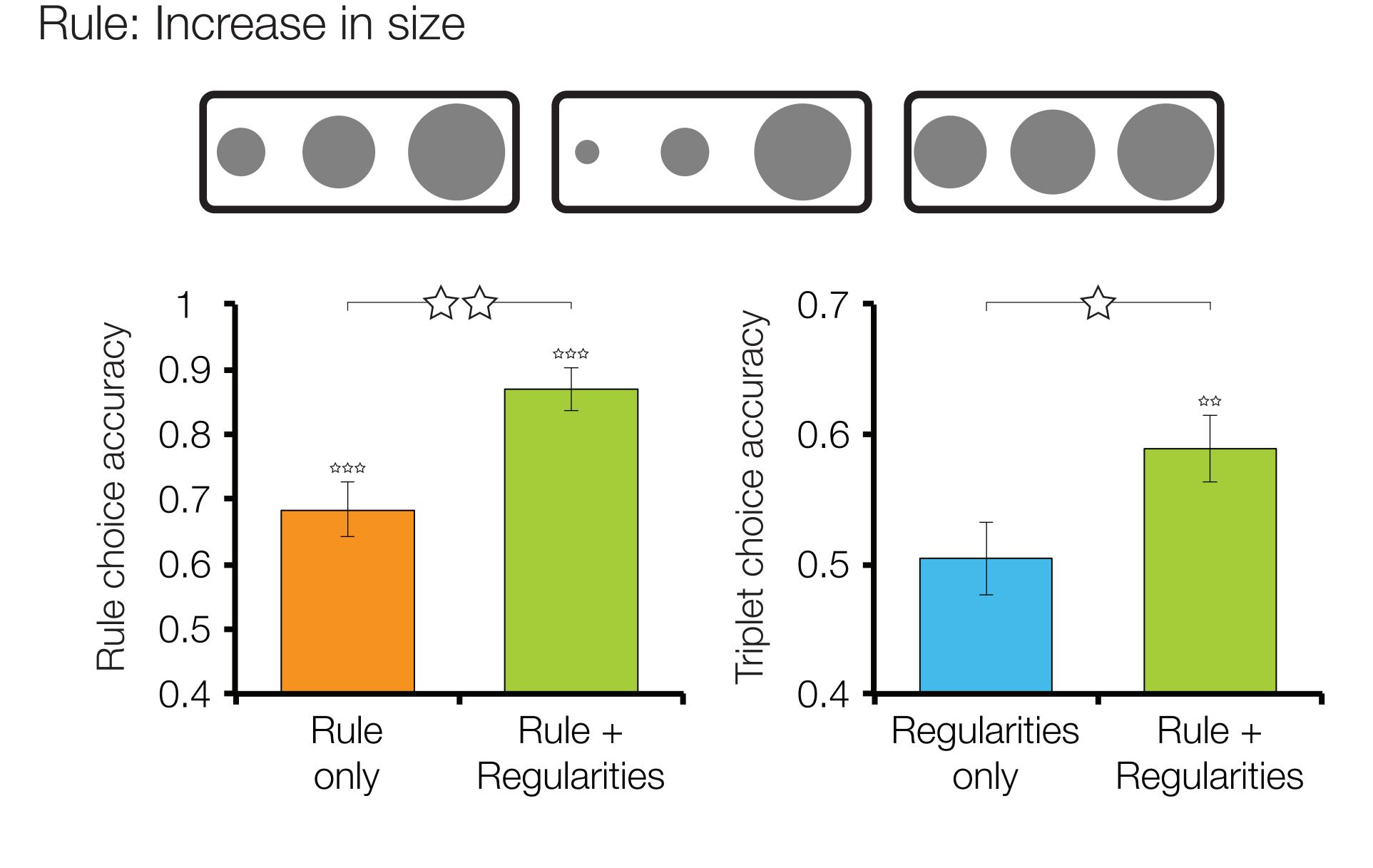
Experiment 1: Do statistical and rule learning interact?

Experiment 2: Does it generalize to other rules?

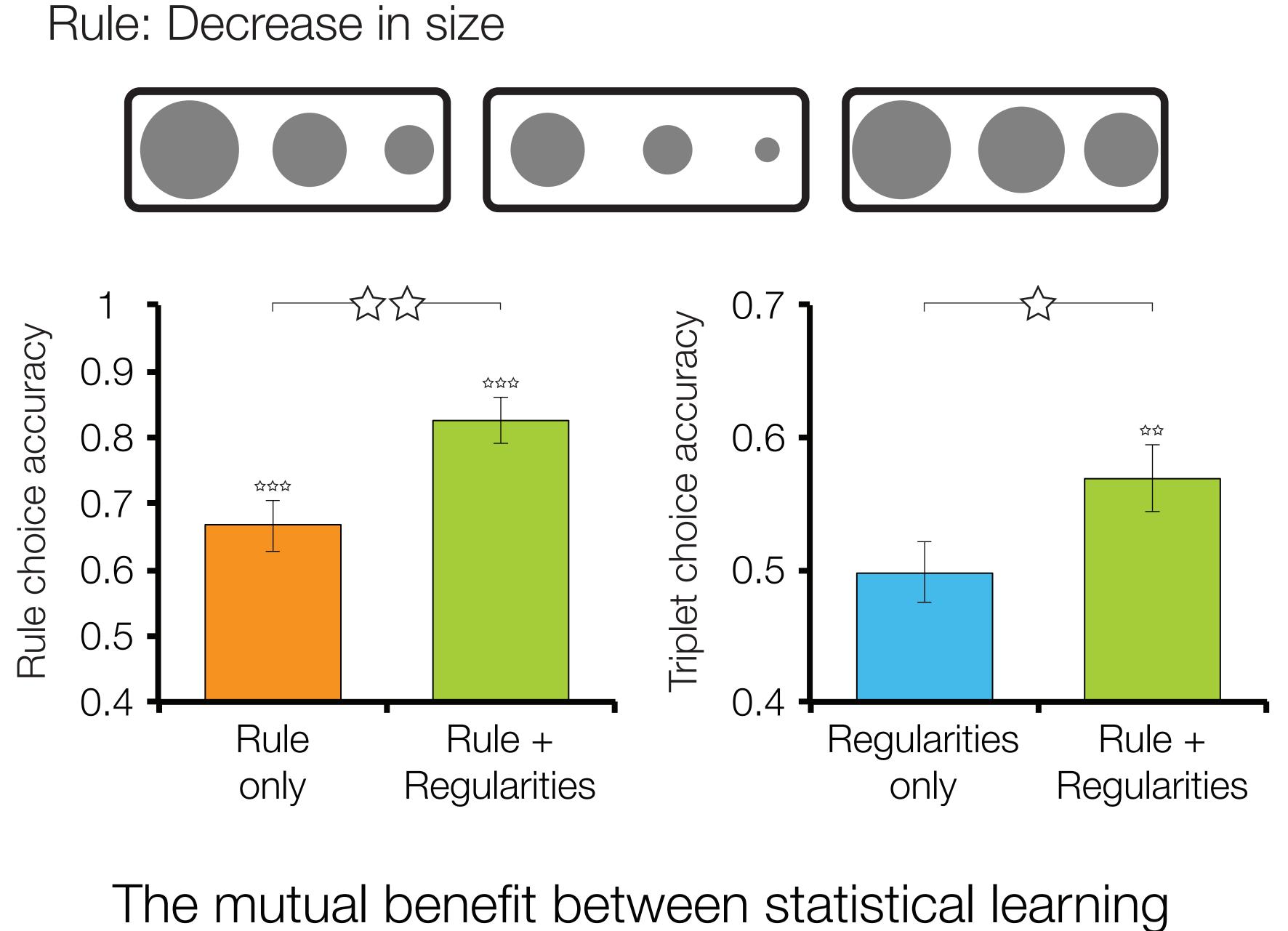
Properiment 3: Which learning is more essential?

Rule: Small-large-small

Experiment 4: Does it generalize to other complex rules?



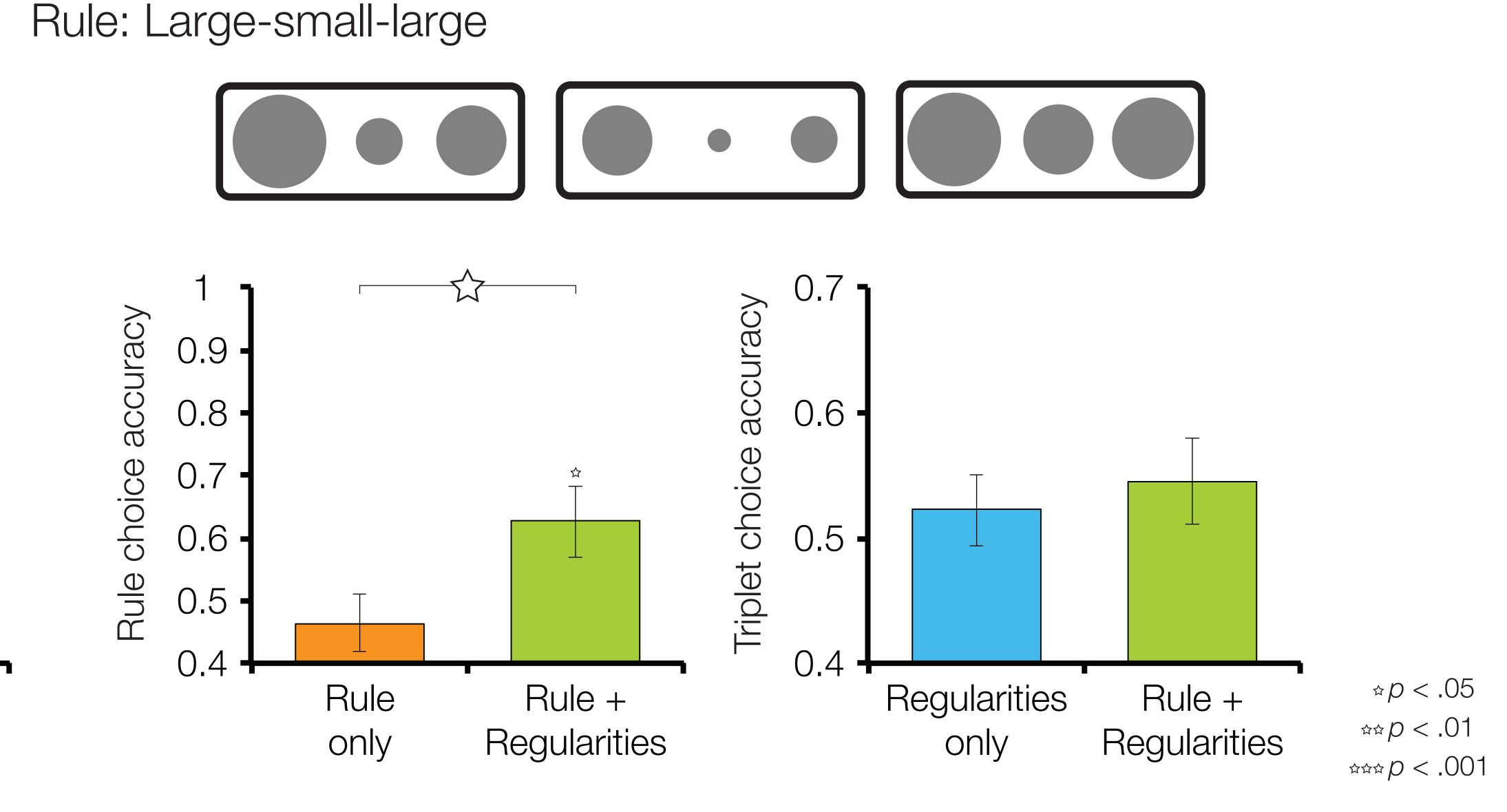
Regularities improve rule learning and rules benefit statistical learning



and rule learning is generalized

None and the choice accuracy of the choice ac

Regularities boost learning of complex rules, but complex rules do not benefit statistical learning



Rule learning is only successful with regularities, but statistical learning does not always benefit from rules