













# Using large-scale experiments and machine learning to discover theories of human decision-making

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## Discovering better theories

Theories of human decision-making have proliferated in recent years. However, these theories are often difficult to distinguish from each other and offer limited improvement in accounting for patterns in decision-making over earlier theories. Peterson *et al.* leverage machine learning to evaluate classical decision theories, increase their predictive power, and generate new theories of decision-making (see the Perspective by Bhatia and He). This method has implications for theory generation in other domains.

*Science*, abe2629, this issue p. 1209; see also abi7668, p. 1150

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