1   Neural correlates of choosing between bundles of description and experience-based risky

2   options

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13 Abstract

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15 *Keywords:* risk, uncertainty, lottery, reinforcement learning

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Introduction

Methods

Participants

22 27 Caltech undergraduates were recruited for the experiment. Two subjects could not
23 be scanned due to discomfort in the scanner so data from 25 subjects (10 female, mean age =
24 21) are analyzed. Each subjects completed 300 trials broken down to five runs completed in
25 a single sessions. Participants were compensated $30 for their time and received additional
26 earnings based on their performance as described below. All procedures were approved by
27 the Caltech's IRB and all subjects provided informed consent prior to participation.

Task

Procedure

Behavioral data preprocessing

Neuroimaging data preprocessing

Data analysis software

33 The list of software packages and their versions used for analyses can be found at . . .

Results

Raw behavioral results

Cognitive modeling

Neuroimaging results

Discussion

39

References