Here is an explanation of the variables’ name in the data set for the final project in Cognition and Decision Making:

ID: The participant identification code

Trial: Trial number (1 to 100)

Prob: The problem number.

a1: One of the two possible payoff of option A (the safer option)

pa1: The probability of the payoff a1

a2: One of the two possible payoff of option A (the safer option)

b1: One of the two possible payoff of option B (the riskier option)

pb1: The probability of the payoff b1

b2: One of the two possible payoff of option B (the riskier option)

corrab: The correlation between the random variables that determine the payoff from options A and B

A\_label: The description of Option A (if any).

B\_label: The description of Option B (if any).

Arate: 1 if A was selected, 0 otherwise

VA: the payoff from A

VB: the payoff from B

**Only in the summary file:**

N: Number of participants

Est\_A0: estimate of the Mean A rate in the very first trial (one of the cues)

Arate1: Mean A rate in trials 1-25

Arate2: Mean A rate in trials 26-50

Arate3: Mean A rate in trials 51-75

Arate4: Mean A rate in trials 76-100

AAAbest: Proportion of A choices immediately after a trial in which A was selected, and A provided the best payoff

AAAnotb: Proportion of A choices immediately after a trial in which A was selected, and A did not provide the best payoff

ABAbest: Proportion of A choices immediately after a trial in which B was selected, and A provided the best payoff

ABAnotb: Proportion of A choices immediately after a trial in which B was selected, and A did not provide the best payoff

Shortcuts:

In some cases, the description of the labels in the excel file were cut. Here are the full descriptions presented to the participants

|  |  |
| --- | --- |
| The cut description | Full description |
| Selected by most partici | Selected by most participants |
| 2 with probability 0.67 | 2 with probability 0.67; -1 otherwise |
| 4 with probability 0.92 | 4 with probability 0.92; -94 otherwise |
| 2 with probability 0.64 | 2 with probability 0.64; 1 otherwise |
| 4 with probability 0.90 | 4 with probability 0.90; -60 otherwise |
| 9 with probability 0.5 | 9 with probability 0.5; 0otherwise |
| 6 with probability 0.5 | 6 with probability 0.5; 0otherwise |
| Warning: Can lead to los | Warning: Can lead to losses |
| Warning: Can lead to lar | Warning: Can lead to large loss |
| 30% to lose 5 // 70% to | 30% to lose 5 // 70% to win 2 |
| 94% to win 4 // 6% to lo | 94% to win 4 // 6% to lose 87 |
| 75% to lose 2 // 25% to | 75% to lose 2 // 25% to lose 5 |
| 94% to lose 4 // 6% to w | 94% to lose 4 // 6% to win 39 |
| 0 with certai | 0 with certainty |
| 1 with probability 0.9 / | 1 with probability 0.9 / -10 otherwise |
| Maintain the | Maintain the status quo |
| 90% chance to win 1; los | 90% chance to win 1; lose 10 otherwise |
| Better most o | Better most of the time |
| Selected by m | Selected by most participants |
| Warning: Can | Warning: Can lead to large losses |
| Prevent losse | Prevent losses |
| Recommended d | Recommended default |