Registration Survey

Thank you for your interest in this challenge. As part of the registration process we will be collecting participant information through this survey. The survey should take approximately 15 minutes to complete.

# Demographics

Age

Gender

Country of Origin

Country of Residence (the country in which you are planning to stay for the most part of the duration of the challenge)

Highest Academic Degree

Working or Student

# Risk aversion measure (List et al., 2014)

In this part of the survey, you will be making 10 choices between two options: OPTION A and OPTION B.

Imagine each option is a lottery, and every combination of the lotteries in Option A and B, are called Choice Pairs. On the following Screen, the first column denotes the Choice Pairs, numbered from 1 to 10. The second column presents the details of the lottery of Option A, and the fourth presents the details of the lottery of Option B.

|  |  |  |  |
| --- | --- | --- | --- |
| Choice pair | Option A | Option B | Your Choice |
| 1 | Win $2 if rand =1  OR  win $1.6 if rand =3-10 | Win $3.85 if rand=1  OR  Win $0.1 if rand =2-10 |  |
| 2 | Win $2 if rand=1-2  OR  win $1.6 if rand =3-10 | Win $3.85 if rand=1-2  OR  Win $0.1 if rand =3-10 |  |
| … | … | … |  |

Please have a look at the lottery of Option A in Choice Pair 1.

The computer randomly selects a number from the range 1,2,3,..,10. If the random number drawn is equal to “1”, this lottery pays €2.00; if the random number drawn is “2”, “3”, “4”, “5”, “6”, “7”, “8”, “9” or “10”, the lottery pays €1.60. Similarly, the lottery in Option B of Choice Pair 1 pays €3.85 if the randomly drawn number is equal to “1”, and it pays €0.10 if the number drawn is “2”, “3”, “4”, “5”, “6”, “7”, “8”, “9” or “10”. In the fourth column you can indicate which of the two lotteries in Choice Pair 1 you prefer to participate in; the lottery as specified in Option A, or the lottery in Option B.

After you have indicated whether you prefer to participate in the lottery of Option A or in that of Option B in Choice Pair 1, move to the second Choice Pair, and indicate whether you prefer Option A or B in that second Choice Pair.

In Choice Pair 2, the lottery in Option A pays €2.00 if the random number drawn is either “1” or “2”, and it pays €1.60 in case the random number drawn is equal to 3, 4, 5, ..., or 10. Similarly, the lottery in Option B of Choice Pair 2 pays €3.85 if the random number drawn is either “1” or “2”, and it pays €0.10 in case the random number drawn is equal to 3, 4, 5, ..., or 10. Again, you can indicate in the fourth column which of the two lotteries in Choice Pair 2 you prefer to participate in.

Note that the further down the screen you go, the larger the chances are of receiving the higher payoff in each of the two Options (€2.00 in Option A, and €3.85 in Option B), increases. In fact, in Choice Pair 10 you can receive €2.00 for certain if you choose Option A in that Choice Pair, or receive €3.85 with certainty if you choose Option B.

# Risk aversion measure 2 (Dohmen et al., JEEA 2011)

How willing are you to take risks, in general?

[scale from 0 to 10]

# Time Availability

How many hours do you expect to be able to work on the solution of the problem in the next days? (look ahead a week, forecast how much you will be able)

* The first day of the competition [from 0 to 24]
* The second day of the competition [from 0 to 24]
* The third day of the competition [from 0 to 24]
* The remaining days of the competition

When you are competing [time budget on Top Coder Community Survey] […]

# ~~Motivations~~

~~What is your primary interest in this competition?~~

* ~~Cash prizes~~
* ~~Competing with others~~
* ~~Improving my career and job prospects~~
* ~~Working on an interesting problem~~
* ~~Learning new skills~~

~~Specific skills or abilities related to the challenge~~

# ~~\*How would you rate your ability as a competitor in this challenge if you happen to be assigned to a race where the winner is the first to achieve a certain score?~~

~~Rate your ability from 1 to 10~~

# ~~\*How would you rate your ability as a competitor in this challenge if you happen to be assigned to a traditional marathon match where the winner is the best at the end of the period?~~

~~Rate your ability from 1 to 10~~

Final Survey

# What is your best estimate of the hours worked on the problem?

* Day 1(exact date) [scale from 0 to 24]
* Day 2 (exact date) …
* Day 3…
* […]
* Day 10

# How hard was to achieve a score of at least S in this competition?

[from very easy 0 to very hard 10]

# ~~[Rewording] Did you find the cash awards appropriate for type of problem and the competition faced in your room?~~

~~[not at all --- very much]~~

# If the prize award was 2x how would your number of hours spent solving the problem have changed?

[scale in %]

# If the prize award was 0.5x how would your number of hours spent solving the problem have changed?

[scale in %]

# Give us your thoughts on competing in a race as opposed to a regular marathon match. Consider elements [engagement, planning required ahead of time, perception of competition, amount of effort exerted, quality of submissions, fairness]

[open answer]

# Please select why you dropped out from the competition (for those with no submissions):

* 1. I did not have the appropriate knowledge or skills to solve the problem.
  2. There were lots of strong competitors in my room.
  3. In the [race/tournament-min-req.,] the target score S was too high for me.
  4. I did not have time to participate in the competition due to other obligations.
  5. [I did not want to participate in a [race/tournament/tournament-min-req.]]
  6. I was not interested in topic of the competition.
  7. The awarded cash prize was too small for the effort required in solving the problem.
  8. Other [open]