

## Social measurements and scores on the cognitive reflection test (#29661)

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### 1) Have any data been collected for this study already?

No, no data have been collected for this study yet.

### 2) What's the main question being asked or hypothesis being tested in this study?

Is there a relationship between the cognitive reflection test score and the students' propensity to punish "wrong behaviors" and be individualistic or altruistic? And will the scores of students who are not altruistic be higher?

### 3) Describe the key dependent variable(s) specifying how they will be measured.

The students of the econometrics course underwent different tests and from this 5 databases were obtained, one of each week. In this case, we will take the cognitive reflection test, which consisted of 7 questions with scores assigned in a range of 0 to 5, with 5 being the equivalent of having correctly answered the 7 questions.

### 4) How many and which conditions will participants be assigned to?

The additional variable that will be used in the project is a punishment dummy variable.

### 5) Specify exactly which analyses you will conduct to examine the main question/hypothesis.

We will run a regression with correction to the standard errors through Clusters, in which the students will be grouped according to the Social Value Orientation, that is, if they tend to be altruistic, prosocial, individualistic or competitive. In addition our regression will be conditioned by the dummy "Punishment" (1 = Yes punishes, 0 = Does not punish).

### 6) Describe exactly how outliers will be defined and handled, and your precise rule(s) for excluding observations.

We will exclude all those students who, for some reason, exceed the number of correct answers (the maximum being 7 questions) and therefore, the score exceeds our scale.

### 7) How many observations will be collected or what will determine sample size? No need to justify decision, but be precise about exactly how the number will be determined.

Considering that the size of our original samples are around 90 observations, in our project the sample will have around 80 observations.

### 8) Anything else you would like to pre-register? (e.g., secondary analyses, variables collected for exploratory purposes, unusual analyses planned?)

In our project we plan to add the additional variable dummy "Punishment" where it takes the value of 1 if it punishes and the value of 0 if it does not punish.