

Performance and socio-emotional relationships (#29601)

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

It's complicated. We have already collected some data but explain in Question 8 why readers may consider this a valid pre-registration nevertheless.

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

Are the academic results higher in individuals who have had fewer couples throughout the career?

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

Our dependent variable to analyze is academic performance, measured by the cumulative weighted average of the career that has been given by the results of evaluative mechanisms over 6 or 7 semesters, which should reflect the knowledge acquired in the subjects seen during the career.

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

The sample on which we will base our analysis are the three Basic Econometrics courses at the Universidad del Rosario, which is around 90 students from fifth to seventh semester. Additionally, the variable that we want to collect is called "pareja" which seeks to take into account the number of sentimental couples that a student has had throughout the career, by sentimental couple we refer to an emotional bond of a romantic type (open relationship or courtship).

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

A linear regression will be run to know what degree the presence of a sentimental couple affects the academic performance of students of higher educational level. The main dependent variable is the weighted average. Within the control variables we have gender, study, vocation and couple. A restricted model will also be made in the regression for those who have not had a partner. Additionally to calculate the standard errors we will take the robust standard errors and the standard errors per cluster depending on the number of pairs such as 0 and 1, 2 and 3 and 4 onwards.

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

We don't consider ex ante the use of outliers in the pre-registration.

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.

We will conduct this experiment with three groups of the introductory econometrics courses, for the number of observations the database to be taken was made by professors from the Universidad del Rosario to approximately 90 students divided into 24 students per group.

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

Our idea is to collect information on a new variable, but taking into account the same sample, for this reason we will need the help of teachers to upload this question to the platform so that everything remains anonymous. In collecting the data we will need each student to remember their code and answer the following question: During your university career, how many sentimental couples have you had?