

"Showing Life Opportunities"

1. Name of the study:

"Showing Life Opportunities: Increasing Entrepreneurship by Opportunity and STEM Careers through Online Courses at Schools".

2. Purpose of the study:

The project seeks to identify the effectiveness of some online courses, as well as certain learning strategies. Training will be offered that can improve their skills and knowledge.

We have developed all the content with the support of grants from the Innovation Growth Lab (NESTA Foundation), SIEF (World Bank), INCHER (University of Kassel). In addition, the program was designed by academics from the HEC Paris Business School, the University of Warwick, the University of Kassel and the World Bank. The content has been approved by the Ministry of Education of Ecuador and the Ethics Committee of the San Francisco de Quito University.

3. Location: Ecuador

1. Z2_Treatment_table.dta

Online Course Treatment assignment (T_Course):

Schools have been randomly assigned to the treatment with 13 randomization blocks (note 13s block is numbered as 14th)

12 blocks were formed in June 2019 -- randomization on school level

- Block number 11 is municipality
- Block number 12 is problematic schools
- Block 14 out of 5 school was formed in September 2019 (note 13s block is numbered as 14th)

Thus true experimental frame (for analyzing Course Treatment) is 137 schools with randomization blocks(note 13s block is numbered as 14th)

Benchmarking Treatment assignment (T_Bench):

108 Schools were assigned to Treatment or Control Group. There are 27 blocks with 4 schools in each block.

Nº	Variable	Variable Name
1	Unique Class Identification	True_Cohort_id
2	Unique School Identification	School_id
3	Course Treatment Strata for analyzing T_Course	block
4	Treatment School Binary Variable PI+NEG, PI+STAT and NEG+STAT are treatment courses and correspond to 1	T

5	Type of Course Provided to The Cohort: PI+NEG – Personal Initiative + Negotiations PI+STAT – Personal Initiative + Statistics NEG+STAT – Negotiations + Statistics ENG+STAT – English + Statistics SP+ENG – Spanish + English SP+STAT – Spanish + Statistics	T_Course
6	Role Model Treatment: RM – Role Model Treatment CM – Placebo Videos	T_Role
7	Role Model Ordering: First – Role Model Videos were shown at the beginning of the program Second - Role Model Videos were shown at the end of the program	T_Order_Role
8	Course Ordering: a – the corresponding first course from T_Course was at the beginning of the program (in case of PI+NEG – PI was first); b – the corresponding second course from T_Course was at the beginning of the program (in case of PI+NEG – NEG was first)	T_Order_Course
9	No treatments were assigned on the class level inside of the school	nogradeclasseandomization
10	Benchmarking Treatment Strata for analyzing T_Bench	block_Bench
11	Benchmarking Treatment	T_Bench

2. Z2_Treatment_individual_merge.dta

Nº	Variable	Variable Name
1	Unique Class Identification	True_Cohort_id
2	Unique Student Identification	Student_id_p
3	Adaptive Learning Treatment	Adaptivity