

Ecuador - Showing Life Opportunities 2020, Data from Experiment 2: Highlands Educational Regime (Régimen Sierra-Amazonía)

**David McKenzie, Igor Asanov, Francisco Flores, Thomas Astebro, Mona Mensmann,
Bruno Crepon, Guido Buenstorf, Mathis Schulte**

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Identification

SURVEY ID NUMBER

ECU_2020_SLO-E2_v01_M

TITLE

Showing Life Opportunities 2020, Data from Experiment 2: Highlands Educational Regime (Régimen Sierra-Amazonía)

ABBREVIATION OR ACRONYM

SLO-E2 2020

COUNTRY/ECONOMY

Name	Country code
Ecuador	ECU

SERIES INFORMATION

The study comprises three experimental trials provided Before and during COVID-19 pandemic in different regions of Ecuador.

Experiment 1: Municipality of Quito and Educational Zone 2 - 2019-2020

Experiment 2: Highlands Educational Regime (Régimen Sierra-Amazonía) 2020

Experiment 3: Coastal Educational Regime (Régimen Costa) 2020/2021

ABSTRACT

Opportunity-focused, high-growth entrepreneurship and science-led innovation are crucial for continued economic growth and productivity. Working in these fields offers the opportunity for rewarding and high-paying careers. However, the majority of youth in developing countries do not consider either as job options, affecting their choices of what to study. Youth may not select these educational and career paths due to lack of knowledge, lack of appropriate skills, and lack of role models. We provide a scalable approach to overcoming these constraints through an online education course for secondary school students that covers entrepreneurial soft skills, scientific methods, and interviews with role models.

The study comprises three experimental trials provided Before and during COVID-19 pandemic in different regions of Ecuador. This catalog entry includes data from Experiment 2: Highlands Educational Regime (Régimen Sierra-Amazonía) 2020. The data from the other two experiments are also available in the catalog.

Experiment 2: Highlands Educational Regime (Régimen Sierra-Amazonía) 2020

In course of Showing Life Opportunities project we provided a randomized experiment in Ecuador as rapid fire response to the hurdles of COVID-19 for the Highlands Educational regimes schools (Régimen Sierra 2020); Students finish the program in July 2020. The intervention is an online education course that covers entrepreneurial soft skills, scientific methods, and interviews with role models. This course is taken by students at home during the COVID-19 pandemic under teachers' supervision. We work mostly with 14-22-year-old students (14,451 students) in 416 schools assigned to the program. We randomly assign schools either to treatment (and receiving the entrepreneurship courses online), or placebo-control (receiving a placebo treatment of online courses from standard curricula) groups. We also cross-randomize the role models and evaluate set of nimble interventions to increase take-up.

The details of intervention can be found in AEA registry:

Asanov, Igor and David McKenzie. 2021. Scaling up virtual learning of online learning in high schools. AEA RCT Registry.

March 23. cross-randomize schools to a role model treatment of interviews with successful scientists and entrepreneurs. In addition, we provide information about career options.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Student

Version

VERSION DESCRIPTION

Version 01

Coverage

GEOGRAPHIC COVERAGE

Experiment 2: Highlands Educational Regime (Régimen Sierra-Amazonía) 2020

We cover students of last year of education in SchoolK12 of technical specialization (Bachillerato técnico) that study in Highlands Educational Regime (Régimen Sierra-Amazonía), suppose to finish in education in school in July 2020, and we capable to register on the online platform. The schools in highlands educational regime covered in this experiment scatter over the next educational zones 1,2,3, and 5,6,7, and 9.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
David McKenzie	World Bank
Igor Asanov	University of Kassel
Francisco Flores	University of Kassel
Thomas Astebro	HEC Paris
Mona Mensmann	Warwick Business School
Bruno Crepon	ENSAE
Guido Buenstorf	University of Kassel
Mathis Schulte	HEC Paris

FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
SIEF - World Bank	SIEF	Funder
Innovations for Poverty Action	IPA	Funder
Innovation Growth Lab	IGL	Funder

Sampling

SAMPLING PROCEDURE

All students in selected schools who were present in classes filled out the baseline questionnaire

Data collection

DATES OF DATA COLLECTION

Start	End	Cycle
2020-05-18	2020-12-14	Highlands Educational Regime (Internet based)
2020-11-10	2021-01-31	First follow-up Highlands Educational Regime, Winter Survey (Phone Based)

DATA COLLECTION MODE

Internet [int]

DATA COLLECTION NOTES

Internet, Phone Based

Questionnaires

QUESTIONNAIRES

Questionnaires

We execute three main sets of questionnaires.

A. Internet (Online Based survey)

The survey consists of a multi-topic questionnaire administered to the students through online learning platform in school during normal educational hours before COVID-19 pandemic or at home during the COVID-19 pandemic. We collect next information:

1. Subject specific knowledge tests. Spanish, English, Statistics, Personal Initiative (only endline), Negotiations (only endline).
2. Career intentions, preferences, beliefs, expectations, and attitudes. STEM and entrepreneurial intentions, preferences, beliefs, expectations, and attitudes.
3. Psychological characteristics. Personal Initiative, Negotiations, General Cognitions (General Self-Efficacy, Youth Self-Efficacy, Perceived Subsidiary Self-Efficacy Scale, Self-Regulatory Focus, Short Grit Scale), Entrepreneurial Cognitions (Business Self-Efficacy, Identifying Opportunities, Business Attitudes, Social Entrepreneurship Standards).
4. Behavior in (incentivized) games: Other-regarding preferences (dictator game), tendency to cooperate (Prisoners Dilemma), Perseverance (triangle game), preference for honesty, creativity (unscramble game).
5. Other background information. Socioeconomic level, language spoken, risk and time preferences, trust level, parents background, big-five personality traits of student, cognitive abilities.

Background information (5) collected only at the baseline.

B. First follow-up Phone-based Survey Zone 2, Summer (Phone Based).

The survey replicates by phone shorter version of the internet-based survey above. We collect next information:

1. Subject specific knowledge tests.
2. Career intentions, preferences, beliefs, expectations, and attitudes.
3. Psychological characteristics

C. (Second) Follow-up Phone-Based Survey, Winter, Zone 2, Highlands Educational Regime.

We execute multi-topic questionnaire by phone to capture the first life-outcomes of students who finished the school. We collect next information:

1. Life Outcome 1- Education. The set of questions that aims to measure the learning success, career/study intentions, propensity to plan and approach others with studying tasks, entrepreneurial intentions.
2. Life Outcome 2- Labor. The set of questions that aims to measure employment status and income, job searching behavior, time devoted for working/business, salary expectations and knowledge about the careers, self-initiated contribution to the family.
3. Personal Initiative/Negotiations related and other measures. The set of questions that aim to measure level of personal initiative, negotiation strategies, pregnancy rate, gender stereotypes, math/STEM self-efficacy, gender attitudes, parent-student communication effects.

Access policy

CONFIDENTIALITY

Data have been anonymized to remove personal identifying information.

CITATION REQUIREMENTS

Use of the dataset must be acknowledged using a citation which would include:

- the Identification of the Primary Investigator
- the title of the survey (including country, acronym and year of implementation)
- the survey reference number
- the source and date of download

Example:

Igor Asanov (University of Kassel); Thomas Åstebro (HEC Paris), Guido Buenstorf (University of Kassel), Bruno Crépon (ENSAE), Francisco Flores (University of Kassel), David McKenzie (World Bank), Mona Mensmann (Warwick Business School), Mathis Schulte (HEC Paris) (2020). Showing Life Opportunities 2020, Data from Experiment 2: Highlands Educational Regime (Régimen Sierra-Amazonía). Ref. ECU_2020_SLO-E2_v01_M. Downloaded from [url] on [date].

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DISCLAIMER

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Metadata production

DDI DOCUMENT ID

DDI_ECU_2020_SLO-E2_v01_M_WB

PRODUCERS

Name	Abbreviation	Affiliation	Role
Development Data Group	DECDG	World Bank	Documentation of the study

DATE OF METADATA PRODUCTION

2024-01-08

DDI DOCUMENT VERSION

Version 01 (2024-01-08)

Data Dictionary

Data file	Cases	Variables
HL_Baseline HL_Baseline.dta - Baseline online survey. Corresponding questionnaire: questionnaires\01_Baseline_NationalLevel.pdf Corresponding codebook: codebooks\01_Z2_Baseline_public.html	14287	390
HL_Endline HL_Midline.dta - Midline online survey Corresponding questionnaire: questionnaires\01_Midline_NationalLevel.pdf Corresponding codebook: codebooks\01_Z2_Midline_public.html	14287	321
HL_Midline HL_Endline.dta - Endline online survey Corresponding questionnaire: questionnaires\01_Endline_NationalLevel.pdf Corresponding codebook: codebooks\01_Z2_Endline_public.html	14287	182
HL_Panel_data_Takeup HL_Panel_data_Takeup.dta - Panel data with student's progress on the platform. Corresponding questionnaire: questionnaires\Zone 2 Take-up.pdf	114160	7
HL_Treatment_individual_merge HL_Treatment_table.dta - A dataset with treatment assignmened on class and school levels. Corresponding questionnaire: questionnaires\Zone 2 Treatment.pdf	14287	4
HL_Treatment_table HL_Treatment_individual_merge.dta - A dataset with treatments assigned on individual level. Corresponding questionnaire: questionnaires\Zone 2 Treatment.pdf	532	8
HL_Winter_Phone_Survey_public Phone Surveys: - HL_Winter_Phone_Survey_public.dta - A dataset with winter phone survey's responses. Corresponding questionnaire: questionnaires\05_Phone_Winter_Survey 2020.pdf Corresponding codebook: codebooks\05_Codebook Phone Winter_Survey_en.xlsx	6528	226