

Evaluating financial education interventions: guidelines, challenges and best practices

La valutazione delle iniziative di educazione finanziaria: Linee guida, sfide e best practices

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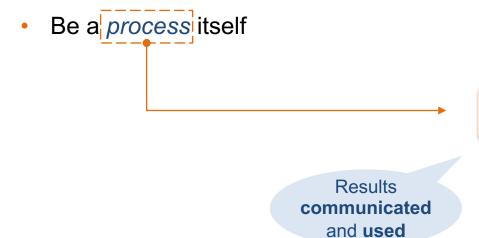


- 1 Evaluation at glance: features and process
- Framework for developing and testing financial capabilities
- 8 Evaluation's contents
- Evaluating Financial Education interventions: evidences from world experience
- Our Randomized Controlled Trail for the evaluation of basic financial education in Higher Education

1. Evaluation at a glance: features and process

Evaluation needs to

- Be evidence-based
- Measure something in particular
- Be systematic
- Be a contribution in *decision* process



What scope
Who is involved
Which evaluation
How collecting data

Plan

Collect, analyse
and interpret data

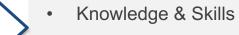
Financial Education Mechanisms

- Knowledge
- Experience
- Motivation

Which is the process of cognitive development to achieve financial capability?

Financial Capability Formation

Near-Term Outcomes



- Attitudes
- Behaviours

Financial Capability

Impact

- Intermediate Term
- Long Term

Which are the **first outcomes** we can measure?

Which are the longterm impacts of our intervention? Big Three questions

1 Numeracy and capacity to do calculations related to interest rates

2 Understanding of **inflation**

3 Understanding of risk diversification

A. Lusardi

4.1. Evaluating financial education intervention Evidence from world experience: Wisconsin, USA

Where: Eau Claire (Wisconsin, USA)

When: A.S. 2011-12 e 2012-13

Students: 4° and 5° grade of two schools from the same district (Elementary schools)

Length of the course: 5 weeks (45 min. per lesson).

Mandatory: Yes

Methodology: Randomized controlled trial with OLS regression

Topics: Savings, financial decisions and money management.

Teacher training: Yes, they enrolled in a 3-hour course

Participants course assignment: Random, half of the classes starts immediately (Treatment), while the other ones at the end of the first cycle (Control).

Parents involvement: Yes, they gave right to data treatment and answered a survey about family income, education level, ...

Data: Baseline at the beginning, first follow-up assessment and second follow-up at the end of the course.

Goal: Investigate whether students' understanding of financial concepts increases measurably after participating in a modest financial education intervention.

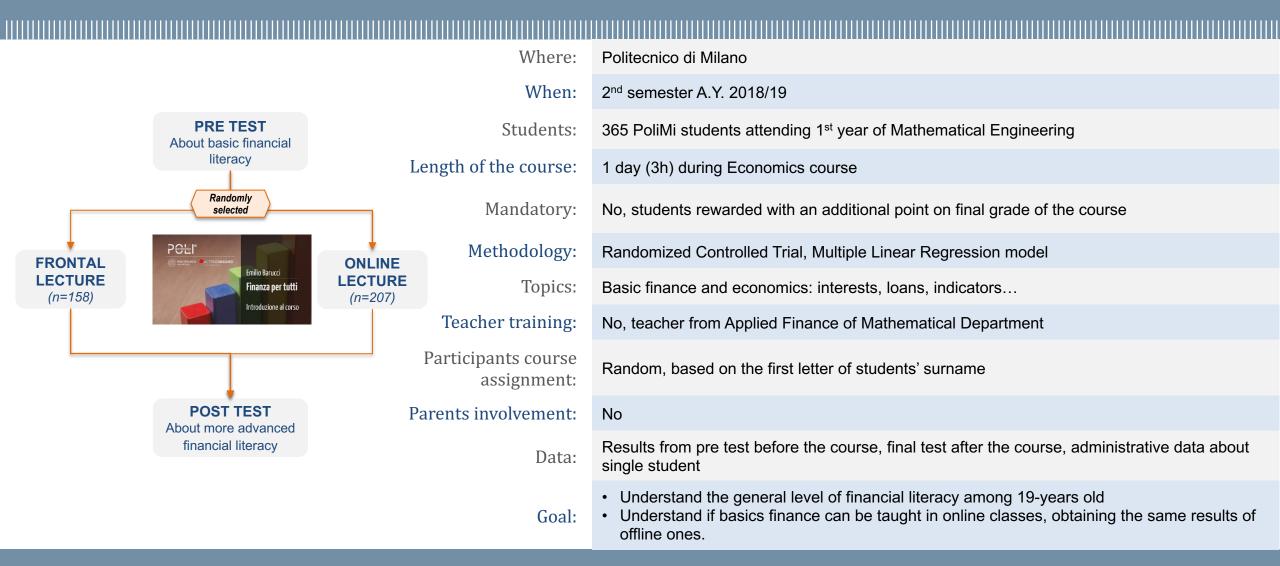
4.2. Evaluating financial education intervention Evidence from world experience: Brazil

Where:	Brazil
When:	A.S. 2010-11
Students:	High school students between ages 15 and 17 – 892 schools and approx. 25.000 students
Length of the course:	17 months, integrated into regular classroom curricula with interactive in-school and take-home exercises
Mandatory:	Yes
Methodology:	Randomized controlled trial, OLS regression to analyse surveys and focus groups with teachers to evaluate the training materials.
Topics:	Case studies applied to basic finance and economics, connected to daily life
Teacher training:	Yes, with materials.
Participants course assignment:	Schools volunteered to be part of the pilot program, then division into control and treatment through stratified and matched randomization
Parents involvement:	Yes, whose pupils were assigned to treatment group were invited to participate in a school workshop (then divided into control and treatment group) – obj: raise awareness about financial education
Data	Baseline at the beginning, first follow-up assessment and second follow-up at the end of the course. Then teachers and principals were interviewed for feedback on the program.
Goal:	Study the impact of a financial education program for high school students in Brazil.

4.3. Evaluating financial education intervention *Evidence from world experience: Spain*

Where:	Spain	
When:	Starting in A.S. 2014-15, with four rounds	
Students:	3,000 9 th and 10 th grade (between 14 and 15 years old) from 78 high schools	
Length of the course:	10 hours	
Mandatory:	Yes, along the normal lectures	
Methodology:	Randomized controlled trial	
Topics:	Savings and interests, risk and budget, bank accounts' typology and pension funds and insurance investments	1 97
Teacher training:	No, nut they had discretion over the teacher who taught the topic	
Participants course assignment:	Randomization at school level, stratifying according to typology	
Parents involvement:	No	
Data:	Baseline financial literacy test and a demographic survey, second financial literacy test and an additional survey, third financial literacy test with an incentivized task.	
Goal:	Detect if financial education changes individuals' financial knowledge or behaviour	

5. Evaluating basic financial knowledge at Politecnico di Milano Our Randomized Controlled Trial



- **Control** group to demonstrate the impact
- Financial **income** level of participants needs to be considered
- When young pupils are the target, the **involvement of parents** can be impactful
- Motivation in joining financial education initiatives is essential
 - → necessity to consider response and dropout rate
 - → rewarding can be a solution

hallenge

- Knowledge evaluation is relatively simple, the difficulties is to determine the extent of behavioural changes because they are
 - → Time-sensitive
 - → Self-reported
- Lack of theoretical framework
- **Data integrity**: potential biases, non-comparability
- Difficulties in proving causation of knowledge on behaviours

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