



## IMPACT EVALUATIONS

# Why don't economists do cost analysis in their impact evaluations?

SUBMITTED BY **DAVID EVANS** ON TUE, 05/10/2016

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There isn't much cost analysis in impact evaluations. In McEwan's [review of 77 randomized experiments in education](#), he found that "56% of treatments reported no details on incremental costs, while most of the rest reported minimal details."

At the same time, there are calls for more of this work. As [Dhaliwal et al. of J-PAL highlight](#), cost-effectiveness analysis helps policymakers to weigh the relative benefits of different programs. "One way to encourage policymakers to use the scientific evidence from these rigorous evaluations in their decision making is to present evidence in the form of a cost-effectiveness analysis, which compares the impacts and costs of various programs run in different countries and years that aimed at achieving the same objective." Recently, [Strand & Gaarder](#) blogged about how cost-benefit analysis is key to "getting the most benefit from the money and efforts spent by the World Bank, on its projects and other client support." As they say, "Every dollar badly spent is a life that wasn't saved; a child that didn't receive education."

Cost analysis, coupled with impact analysis, is valuable to policy decisions. So the recent post by Strand and Gaarder left me considering the question, Why don't more economists do cost analysis? Even more locally, Why don't I like to do cost analysis? (And I've even done writing on cost analysis – [paper](#); [blog post](#).)

Briefly, let me clarify what I mean by cost analysis. I'm referring to cost-effectiveness and cost-benefit analysis. Cost-effectiveness (CE) analysis examines the cost-per-benefit of an intervention: For example, how much does it cost to achieve an additional standard deviation of student school participation? Cost-benefit (CB) analysis examines the rate of return of an intervention: For example, what is the present value of lifetime benefits of a program set against the costs? The cost side of the analysis is similar across both.

Back to the question: Why don't economists do it? (Caveats: for the most part; in impact evaluations.)

**Reason #1: It doesn't feel like economics to microeconomists. Or at least, it doesn't feel that interesting.** Microeconomics (where most impact evaluation studies fall) principally concerns itself with decision-making by individuals, households, or firms. So when we have an intervention to provide information about the returns to schooling or to provide agricultural extension classes, we are most interested in the behavior change, or in other words, in the impact of the program. Many multi-arm impact evaluations vary the offered treatment without explicitly or purposely varying the costs to the beneficiaries. So the variation of interest is the variation in behavioral responses.

Of course, costs have non-obvious behavioral implications, i.e., there are non-linearities that make variation in costs much more interesting than "people buy less when the price is higher." [Dupas and Miguel](#) show wide variation in the price elasticity of demand for preventive health products, all from studies that vary the cost to participants.



cost-benefit analysis are much more likely to be taught in public policy programs than in economics doctoral programs (e.g., [Harvard's Kennedy School](#), [University of Chicago's Harris School of Public Policy](#), [Australia National University's Crawford School of Public Policy](#)). So economists don't generally come trained for this.

**Last thoughts:** Here are some things that I think will make this happen more and better.

- Specialists in cost analysis to complement the efforts of economists who are focused on measuring behavioral changes.
- Very clear tools to guide those who want to complement their impact analysis with cost analysis.
- Incentives for that work, whether through specialized grants, or conditions or top-ups within existing funding for impact evaluation.
- And if you can vary costs within your study population, you may learn a great deal.

*This post benefited from many conversations, especially one with [Markus Goldstein](#).*

## Comments

### Interesting read.

SUBMITTED BY [GRACE](#) ON TUE, 05/10/2016 - 12:57

Interesting read.

I was in a fellowship program (Health Economics) during which we were required to learn about cost analysis (I was looking forward to that module). But when we got to that part, all the facilitator said was that "it's too much work!" So we didn't learn anything beyond basic textbook definitions. I still feel shortchanged! It's definitely something I would want to venture into in future.

reply

### I really hope that training

SUBMITTED BY [DAVID EVANS](#) ON THU, 05/12/2016 - 08:08

I really hope that training in this can improve moving forward. This will require concerted effort from professors providing training.

reply

### As a postdoc, who did my Phd

SUBMITTED BY [ELIN](#) ON THU, 05/12/2016 - 03:20

As a postdoc, who did my Phd in development but after the dissertation changed to doing cost benefit analysis of early interventions for kids, this post really got me thinking about how to merge my two research areas!

reply

### I look forward to seeing what

SUBMITTED BY [DAVID EVANS](#) ON THU, 05/12/2016 - 08:09

I look forward to seeing what comes out of it!

reply

### J-PAL website has lots of

SUBMITTED BY [RACHEL GLENNERSTER](#) ON THU, 05/12/2016 - 15:21

J-PAL website has lots of resources for economists wanting to do cost-analysis with their impact evaluation including spreadsheets for cost collection. The more RCTs that collect costs, the more studies we can include in our comparative CEAs.

<https://www.povertyactionlab.org/research-resources/cost-effectiveness>

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