



THE WORLD BANK



# **Impact Evaluation Methods Introduction to Parallel Tracks**

Christel Vermeersch

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Human Development  
Network

Middle East and North Africa  
Region

Spanish Impact Evaluation  
Fund

# This morning: parallel sessions

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- Covering: methods for evaluating impact: the “how”
- The content of the policy and technical tracks is the same
- It’s just the approach that is different
  - Policy track: intuition
  - Technical track: intuition + econometrics

# Should you attend the technical sessions?

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If you have studied multivariable regression in a statistics and/or econometrics course

And if your role is....

- Design of impact evaluation methodologies
- Data analysis

Then please consider the technical sessions

# Should you attend the policy sessions?

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If you have NOT studied multivariate regressions in a statistics and/or econometrics course..

If your role in impact evaluations is....

- Using evaluation results to inform policy making
- Management and oversight of evaluations
- Contracting of consultants to implement evaluations

Or if in doubt

...then please consider the policy sessions

# Quiz technical question 1:

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In the following equation:

$$y = \alpha_0 + \beta_1 x_1 + \beta_2 x_2 + g_1 I(D = 1) + \varepsilon$$

$y$  is....

$\alpha_0$  is...

$x_2$  is...

$I(D = 1)$  is...

$\varepsilon$  is....

## Quiz technical question 2:

In the following two expressions,

$$b = (X'X)^{-1}X'y$$

$$b = \frac{\sum (x_i - \bar{x})(y_i - \bar{y})}{\sum (x_i - \bar{x})^2}$$

$b$  is....

1. A naive estimator
2. The OLS estimator
3. The XLS estimator
4. The impact estimator for large samples
5. Don't know

## Quiz technical question 3:

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The sum of 3 independent normally distributed variables has what kind of distribution?

1. A student t distribution
2. A normal distribution
3. A Poisson distribution
4. A strange distribution
5. Don't know

## Quiz technical question 4:

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Under the Gauss conditions, the least squares estimator is:

1. BLUE
2. YELLOW
3. RED
4. None of the above
5. Don't know



# Quiz results

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- ❑ Got all 4 questions correct: please consider attending the technical sessions
- ❑ Otherwise: please consider attending the policy sessions