

- Issue: to measure the impact of electricity on children's educational performance (EBTANAS exam score)
- Data come from HH surveys (1997 and 2000) + data on left-behind villages (INPRES).
- Information on HH demographics (education, income) + electricity at home + information on schools (education of teachers, electricity in classrooms)
- Empirical strategy: regression of the EBTANAS score on HH and school characteristics (OLS on the 1997 sample, OLS on the 2000 sample, OLS on the pooled sample, FE?)

Cross-sectional variation in electricity provision but...

- Electricity provision is not provided randomly to villages. Probably determined by economic activity, income and hence education.
- Schools getting electricity are likely to be schools with better qualified teachers.
- HH contribute to the funding of schools.
- HH who have electricity at home are probably wealthier and better educated.
- HH who have electricity at home may put a higher value on their child's education and send their children to better schools.
- The exam is not the same everywhere... it takes into account the differences in ability.

⇒ The role of electricity (at home and in schools) cannot be properly identified by OLS.

Variation over time: how comparable are the 1997 and 2000 samples?

- 930 HH in 1997 and 1200 HH in 2000
- HH income per capita (ln): 16.34 in 1997 and 13.78 in 2000
- Educational expenditures per capita (ln): 10.84 in 1997 and 11.19 in 2000
- HH in urban areas: 64% in 1997 and 40% in 2000
- Financial crisis in 1998: could some HH send their children to work instead of sending them to school?
- Who goes to school in 1997? in 2000?
- Same schools between the two waves?

YOU NEED TO DISCUSS/ADDRESS:

- endogeneity of electricity provision (at home and in the schools)
- school quality (teachers, infrastructure)
- differences in the level of the test
- selection bias (who goes to school?)

Also...

- Formal/conventional education vs out-of-school? Who does the EBTANAS test?
- Why not controlling for MONE vs MORA schools?