

# EL PAPEL DE LA ACADEMIA EN EVALUACIONES DE IMPACTO

JOSÉ MARÍA LARRÚ

Taller SIEF

Evaluando impactos: de promesas a evidencias

Madrid, 23-27 junio 2008

# APORTACIONES

- RIGOR EN TÉCNICAS DE ANÁLISIS COMPLEJAS
  - CUANTITATIVAS
  - CUALITATIVAS
- INDEPENDENCIA Y MENOS INTERESES PARA PUBLICAR ERRORES Y FRACASOS
- SU TIEMPO MAYOR QUE TIEMPO POLÍTICO

# CUESTIONES ABIERTAS

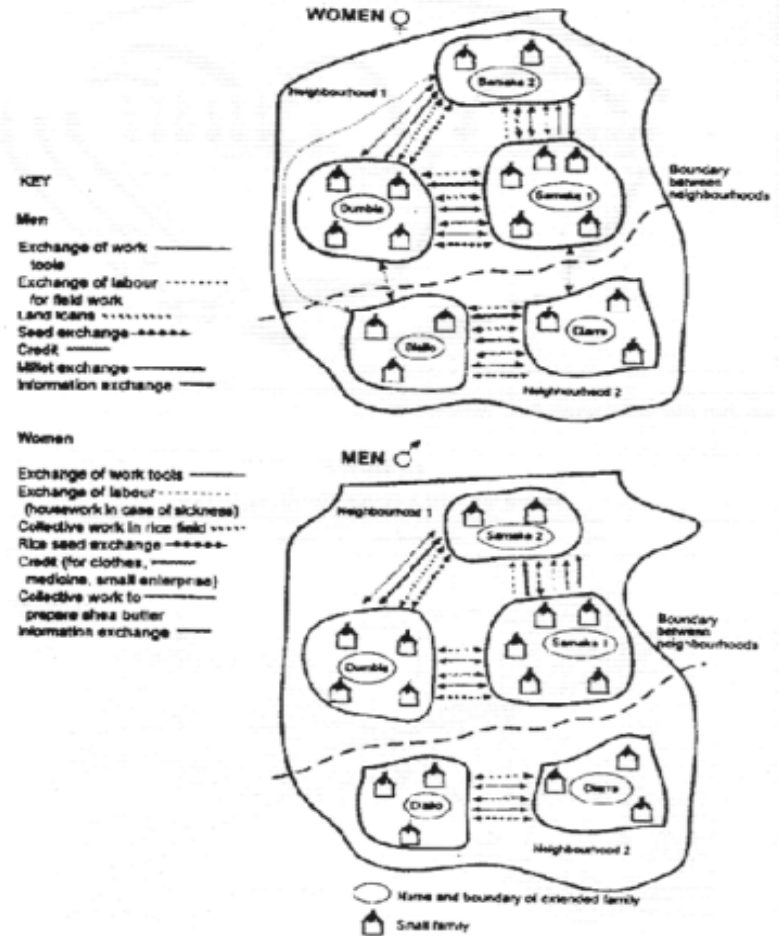
- EVIDENCIAS
  - *HARD EVIDENCE*
  - *SOFT EVIDENCE*
  - *HARDLY EVIDENCE*
- VALIDEZ INTERNA vs EXTERNA
- TIEMPO Y COSTE vs COSTE DE LA IGNORANCIA
- EL RETO PARTICIPATIVO

# ¿DOS MANERAS IRRECONCILIABLES DE EVALUAR?

Table 6

	Regressions Results: Test Scores											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Dep. Var. Total Score				Dep. Var. Math Score				Dep. Var. Literacy Score			
	ALL	ALL	ALL	DECILES 5 & 6	ALL	ALL	ALL	DECILES 5 & 6	ALL	ALL	ALL	DECILES 5 & 6
ETP School	0.084 (0.084)	0.070 (0.108)	0.079 (0.101)	0.015 (0.113)	0.047 (0.076)	0.014 (0.080)	0.018 (0.079)	-0.078 (0.106)	0.101 (0.106)	0.105 (0.128)	0.117 (0.119)	0.085 (0.124)
ETP School x Initial Achievement Tracking	0.232 (0.118)**	0.215 (0.106)**	0.209 (0.101)**	0.280 (0.121)**	0.280 (0.099)***	0.233 (0.085)**	0.227 (0.083)**	0.413 (0.124)***	0.152 (0.123)	0.158 (0.127)	0.150 (0.121)	0.070 (0.130)
ETP School x SBM	0.125 (0.120)	0.160 (0.128)	0.163 (0.120)	0.140 (0.155)	0.179 (0.092)*	0.245 (0.099)**	0.236 (0.096)**	0.236 (0.138)*	0.082 (0.133)	0.052 (0.143)	0.068 (0.133)	0.026 (0.165)
ETP School x Initial Achievement Tracking x SBM	-0.283 (0.183)	-0.158 (0.168)	-0.174 (0.184)	-0.133 (0.187)	-0.343 (0.149)**	-0.269 (0.137)*	-0.263 (0.136)*	-0.244 (0.176)	-0.173 (0.185)	-0.036 (0.188)	-0.060 (0.178)	-0.008 (0.199)
ETP School x Assigned to Contract Teacher	0.229 (0.067)***	0.226 (0.067)***	0.204 (0.101)**	0.186 (0.130)	0.280 (0.062)***	0.235 (0.059)***	0.195 (0.089)**	0.179 (0.133)	0.155 (0.070)**	0.172 (0.078)**	0.172 (0.109)	0.155 (0.137)
ETP School x Initial Achievement Tracking x Assigned to Contract Teacher	-0.239 (0.183)	-0.083 (0.095)	-0.080 (0.099)	0.135 (0.149)	-0.252 (0.158)	-0.084 (0.091)	-0.073 (0.092)	0.080 (0.164)	-0.179 (0.150)	-0.066 (0.107)	-0.038 (0.112)	0.157 (0.152)
ETP School x SBM x Assigned to Contract Teacher	-0.166 (0.101)*	-0.178 (0.107)*	-0.112 (0.109)	0.089 (0.161)	-0.215 (0.102)**	-0.245 (0.101)**	-0.208 (0.100)**	-0.113 (0.156)	-0.093 (0.100)	-0.084 (0.108)	-0.005 (0.114)	0.252 (0.174)
ETP School x Initial Achievement Tracking x SBM x Assigned to Contract Teacher	0.581 (0.238)**	0.284 (0.156)*	0.239 (0.158)	0.017 (0.226)	0.590 (0.227)***	0.332 (0.147)**	0.307 (0.146)**	0.090 (0.226)	0.457 (0.221)**	0.185 (0.162)	0.131 (0.167)	-0.051 (0.240)
TSC Teachers Rotation Scheme (*)	-0.266 (0.197)	-0.288 (0.194)	-0.292 (0.184)	-0.387 (0.229)**	-0.173 (0.172)	-0.193 (0.170)	-0.192 (0.185)	-0.314 (0.199)	-0.295 (0.193)	-0.318 (0.192)	-0.323 (0.178)*	-0.374 (0.238)
Teacher's Age			-0.003 (0.005)	0.003 (0.006)			-0.004 (0.005)	-0.002 (0.006)			-0.002 (0.005)	0.007 (0.008)
Ratio of Female Among Teachers (**)			0.288 (0.071)***	0.308 (0.096)**			0.188 (0.084)***	0.183 (0.090)*			0.334 (0.074)***	0.375 (0.085)**
Bottom Half (Initial Attainment)	-0.757 (0.040)***	-0.758 (0.040)***	-0.141 (0.058)**		-0.797 (0.037)***	-0.797 (0.038)**	-0.170 (0.058)**		-0.569 (0.044)***	-0.568 (0.044)***	-0.088 (0.044)***	-0.086 (0.060)
ETP School x Bottom Half	-0.068 (0.059)	-0.070 (0.058)	0.096 (0.088)		-0.038 (0.052)	-0.040 (0.052)	0.123 (0.093)		-0.080 (0.068)	-0.082 (0.067)	0.052 (0.067)	0.052 (0.094)
ETP School x Initial Achievement Tracking x Bottom Half	-0.027 (0.066)	-0.051 (0.068)	-0.132 (0.097)		0.037 (0.061)	0.024 (0.061)	-0.139 (0.106)		-0.078 (0.075)	-0.108 (0.075)	-0.099 (0.107)	-0.099 (0.107)
School Size	-0.070 (0.085)	-0.083 (0.089)	-0.114 (0.089)	-0.032 (0.105)	-0.177 (0.073)**	-0.190 (0.076)**	-0.145 (0.078)**	0.039 (0.100)	0.028 (0.091)	-0.005 (0.098)	0.075 (0.095)	0.075 (0.107)
Girl	0.116 (0.023)***	0.081 (0.022)***	0.081 (0.022)***	0.007 (0.041)	0.060 (0.021)***	0.023 (0.020)	-0.062 (0.020)	0.143 (0.039)	0.116 (0.024)***	0.116 (0.024)***	0.068 (0.048)	0.068 (0.048)
Age	0.023 (0.010)**	-0.029 (0.010)***	-0.030 (0.010)***	-0.079 (0.014)***	0.061 (0.009)***	0.009 (0.009)***	0.009 (0.015)***	-0.045 (0.010)	-0.015 (0.011)***	-0.067 (0.011)***	-0.058 (0.011)***	-0.004 (0.015)***
Observations	9931	9225	9200	1868	9931	9225	9200	1868	9934	9228	9203	1868
F test	9.20	84.01	78.51	7.33	14.25	114.87	102.61	7.15	7.73	38.05	36.70	5.85
Prob >F	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Notes: OLS regressions. Standard errors clusters at school level (number of clusters: 208). \*\*\* indicates significance at 1%. Region and date of test dummies were included in all regressions but are not shown. Initial attainment information is missing for 14 schools, hence the decrease in the number of observations when controls for initial attainment are added. Scores are normalized such that the mean and standard deviation of the comparison group are zero and one, respectively.  
 (\*) In schools with a rotation scheme, TSC teachers specialize in teaching a few specific subjects and rotate between classes.  
 (\*\*) In schools where the ETP teacher did not change, the sex ratio is either 0 or 1. In schools with a rotation scheme, the average ratio of female among rotating teachers is 0.67.



Teacher Effort

	(1)	(2)	(3)
	Dep. Var: Teacher Found in school on random school day	Dep. Var: If found in school, found in class teaching	Dep. Var: Teacher found in class teaching (unconditional on presence)
ETP School	-0.063 (0.088)	-0.213 (0.108)**	-0.233 (0.115)**
ETP School x Initial Achievement Tracking	0.036 (0.028)	0.083 (0.052)	0.088 (0.051)*
ETP School x SBM	0.003 (0.0290)	0.097 (0.054)*	0.078 (0.048)*
ETP School x Initial Achievement Tracking x SBM	-0.037 (0.042)	-0.029 (0.080)	-0.041 (0.072)
ETP School x Contract Teacher	0.107 (0.131)	0.253 (0.108)**	0.294 (0.089)**
ETP School x Contract Teacher x Initial Achievement Tracking	0.029 (0.066)	-0.098 (0.069)	-0.030 (0.065)
ETP School x Contract Teacher x SBM	0.077 (0.060)	-0.094 (0.066)	-0.011 (0.065)
ETP School x Contract Teacher x Initial Achievement Tracking x SBM	-0.078 (0.074)	0.009 (0.090)	-0.055 (0.089)
TSC Teachers Rotation Scheme (*)	0.003 (0.062)	-0.210 (0.063)**	-0.179 (0.103)*
TSC Teachers Rotation Scheme x ETP School	0.044 (0.088)	0.065 (0.108)	0.102 (0.116)
TSC Teachers Rotation Scheme x ETP School x ETP Teacher	-0.073 (0.113)	0.077 (0.094)	-0.004 (0.075)
<i>Individual Controls</i>			
Years of Experience Teaching	0.002 (0.001)**	0.000 (0.001)	0.001 (0.001)
Female	0.002 (0.0160)	0.061 (0.023)**	0.049 (0.023)**
Constant	12.460 (7.717)	48.751 (14.082)**	41.024 (12.811)**
Observations	2951	2502	2951
Mean in non-ETP schools	0.840	0.891	0.582
F test	2.32	14.13	12.75
Prob >F	0.0037	0.0000	0.0000

Notes: Linear probability model regressions. Multiple observations per teacher. Standard errors clustered at school level. Region and date of test dummies were included in all regressions but are not shown.

(\*) In schools with a rotation scheme, TSC teachers specialize in teaching a few specific subjects and rotate between classes.

