

Evaluation of the labor and educational impact of PROGRESAR

Evaluación del impacto laboral y educativo de PROGRESAR

Julián Gabriel Leone¹, Fermín Marconi¹, Federico Favata²,
Jorge Damián Lo Cascio¹

¹Universidad de Buenos Aires, Facultad de Ciencias Económicas. Buenos Aires, Argentina.

²Universidad Nacional de San Martín. Buenos Aires, Argentina.

Recibido: 29/02/2024

Aceptado: 06/06/2024

Editor responsable: Marcela Achinelli

APPENDIX

Table A1: Simulated impact of the redistributive impact of the first round of PROGRESAR (2019)

Measure	Total population				From 18 to 24 years old			
	TFI	TFI without PROG.R. ES.AR	PCFI	PCFI without PROG.R. ES.AR	TFI	TFI without PROG.R. ES.AR	PCFI	PCFI without PROG.R. ES.AR
Gini coefficient	0,48557	0,4904	0,52849	0,53278	0,48307	0,48877	0,49505	0,50084
Mehran measure	0,66349	0,66992	0,70091	0,70657	0,66295	0,67058	0,67014	0,67773
Piesch measure	0,39662	0,40064	0,44228	0,44588	0,39313	0,39787	0,40751	0,4124
Kakwani measure	0,20886	0,21281	0,2381	0,2418	0,20744	0,21211	0,21431	0,21904
Theil entropy measure	0,44475	0,45228	0,52855	0,53609	0,43553	0,44407	0,45789	0,46685
Theil mean logarithmic deviation measure	0,04964	0,0608	0,10886	0,12563	0,0547	0,07113	0,06393	0,08383

Note: TFI: total household income; TFI without PROGRESS: simulated total family income recovering the amount of the benefit in those identified as recipients of the sample according to the strategy of identification of the sum of transfers; PCFI, household income per capita; PCFI without PROGRESS: simulated per capita family income recovering the amount of the subsidy in those identified as recipients of the sample according to the strategy of identification of the sum of transfers.

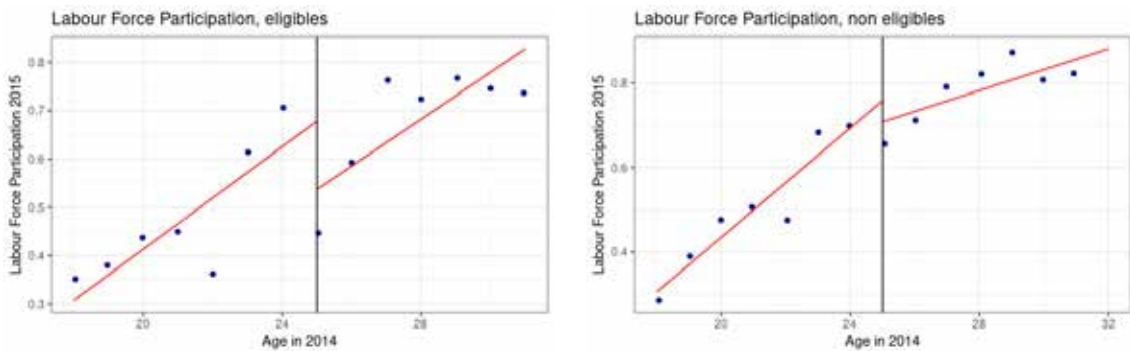
Source: own computations based on EPH-INDEC

Table A2: Job transitions (2018-2020)

Groups	T+3			
	t	Employment	Unemployment	Inactive
18-24 years	Employment	70,5	11,5	18
	Unemployment	39,1	30,2	30,7
	Inactive	18,8	11,8	69,5
Not eligible	Employment	73	11,8	15,2
	Unemployment	40,3	32,1	27,7
	Inactive	18,8	12,2	69,1
Eligible	Employment	64,5	10,8	24,8
	Unemployment	35,7	24,8	39,4
	Inactive	18,8	11,6	69,7
Control	Employment	66	9,8	24,2
	Unemployment	31,3	27,9	40,9
	Inactive	18,7	11,9	69,4
Treated	Employment	44,2	22,1	33,8
	Unemployment	25	24,4	50,7
	Inactive	17,5	12,5	70

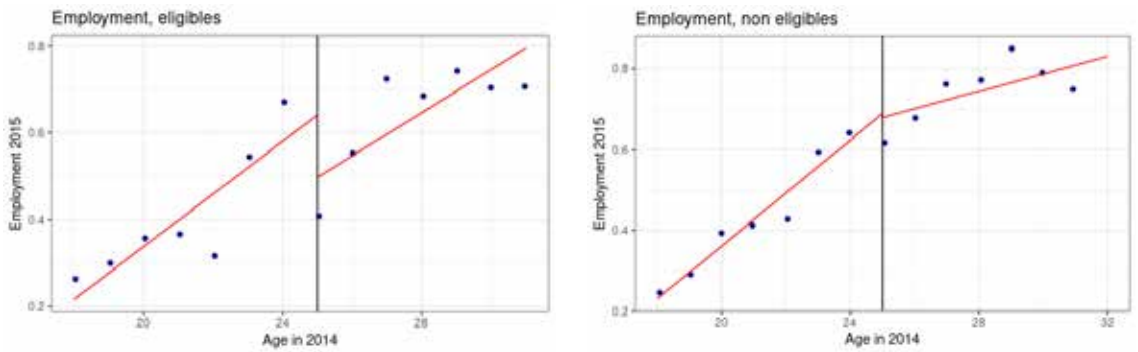
Source: own computations based on EPH-INDEC

Panel A3: RDD (2014-2015). Labor force participation (Y). Age (X). Polynomial of first degree. Eligible (left) and ineligible (right)



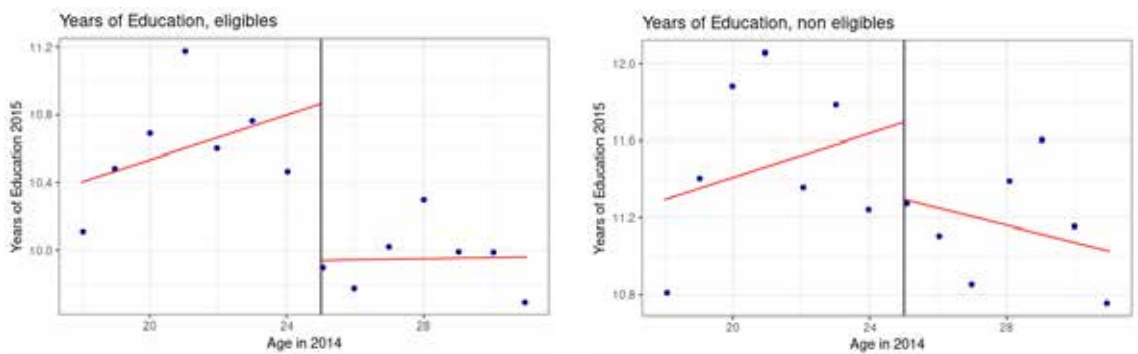
Source: own computations based on EPH-INDEC

Panel A4: RDD (2014-2015). Employment (Y). Age (X). Polynomial of first degree. Eligible (left) and ineligible (right)



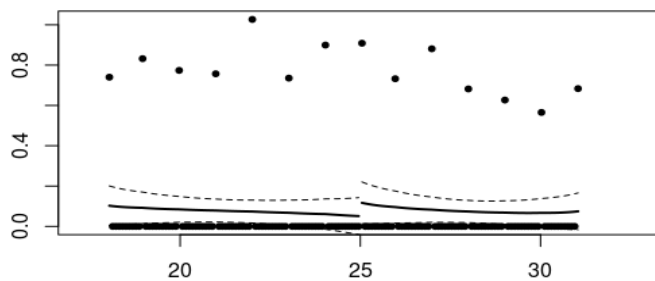
Source: own computations based on EPH-INDEC

Panel A5: RDD (2014-2015). Advance educational years (Y). Age (X). Polynomial of first degree. Eligible (left) and ineligible (right)



Source: own computations based on EPH-INDEC

Panel A6: McCrary density test (without manipulation)



Note: there are no differences around the cut. P-value = 0.8452

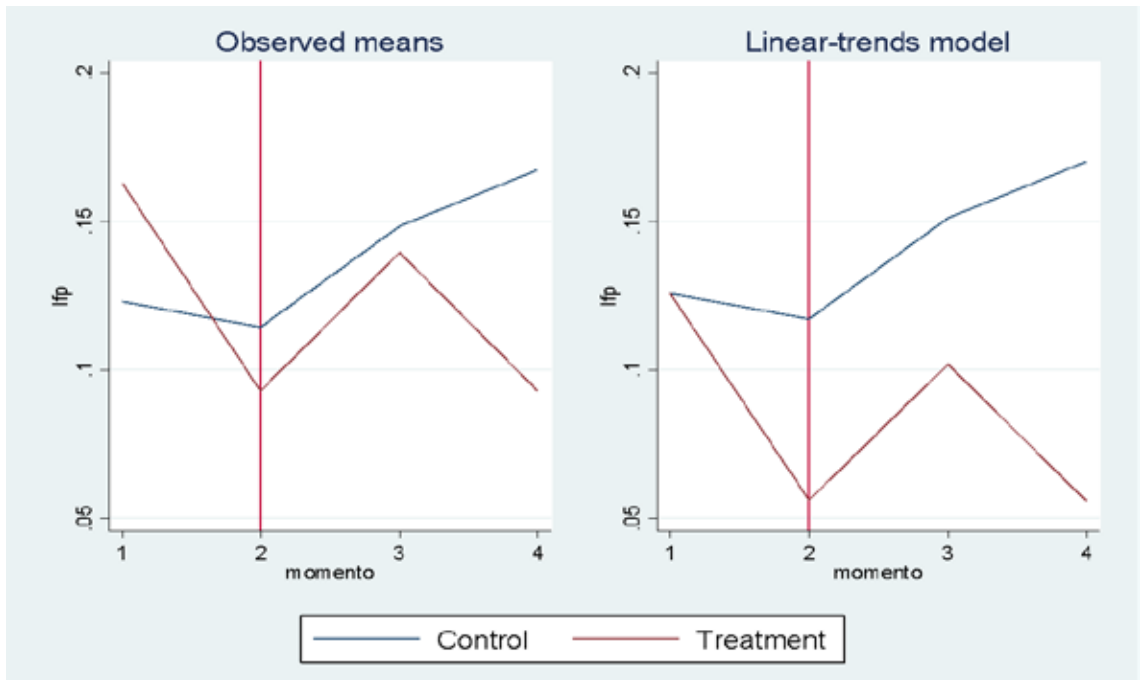
Source: own computations based on EPH-INDEC

Table A7: RDD cutting placebos (2014-2015). Labor force participation, employment, assistance (Y). Age (X). Eligible population. First-order polynomial.

Pol. Order		Eligible population					
		First					
Controls		Yes					
Shortcut		22	23	24	26	27	28
LFP	Conventional	0.089 *	-0.175 ***	-0,035	- 0.087 *	-0.160 ***	0.003
		(0.032)	(0.031)	(0.032)	(0.032)	(0.032)	(0.031)
	Bias-corrected	0.034	-0.372 ***	0.060	-0.238 ***	-0.310 ***	0.102 **
		(0.032)	(0.031)	(0.032)	(0.032)	(0.032)	(0.031)
	Robust	0.034	-0.372 ***	0.060	-0.238 ***	-0.310 ***	0.102 *
		(0.055)	(0.050)	(0.057)	(0.053)	(0.057)	(0.050)
	Effect. N left	1978	2106	2086	2180	2130	2160
Effect. N right	2410	2192	2079	1720	1656	1528	
Employment	Conventional	0.045	-0.172 ***	-0.050	- 0.075 **	-0.151 ***	0.002
		(0.031)	(0.030)	(0.032)	(0.032)	(0.033)	(0.033)
	Bias-corrected	0.018	-0.325 ***	0.037	-0.229 ***	-0.313 ***	0.098 **
		(0.031)	(0.030)	(0.032)	(0.032)	(0.033)	(0.033)
	Robust	0.018	-0.325 ***	0.037	-0.229 ***	-0.313 ***	0.098
		(0.054)	(0.050)	(0.058)	(0.053)	(0.059)	(0.052)
	Effect. N left	1978	2106	2086	2180	2130	2160
Effect. N right	2410	2192	2079	1720	1656	1528	
Advanced educational years	Conventional	0.777 ***	0.455	0.656 **	-0.161	-0.624 *	-0.531 *
		(0.221)	(0.226)	(0.227)	(0.251)	(0.259)	(0.255)
	Bias-corrected	0.837 ***	-0.390	-0.083	-0.571 *	-0.739 **	-0.247
		(0.221)	(0.226)	(0.227)	(0.251)	(0.259)	(0.255)
	Robust	0.837 *	-0.390	-0.083	0.571	-0.739	-0.247
		(0.373)	(0.371)	(0.390)	(0.420)	(0.463)	(0.400)
	Effect. N left	1833	1931	1892	1982	1905	1913
	2129	1916	1805	1462	1415	1295	

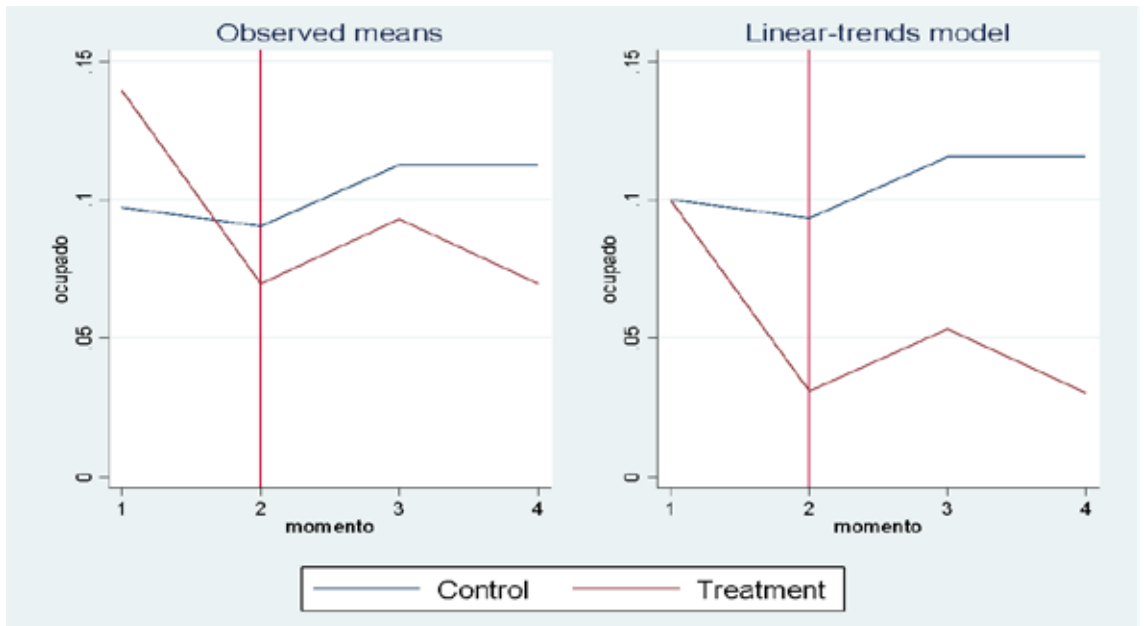
Source: own computations based on EPH-INDEC

Panel A8: DiD (2014-2015) with parallel trend testing. Labor force participation.



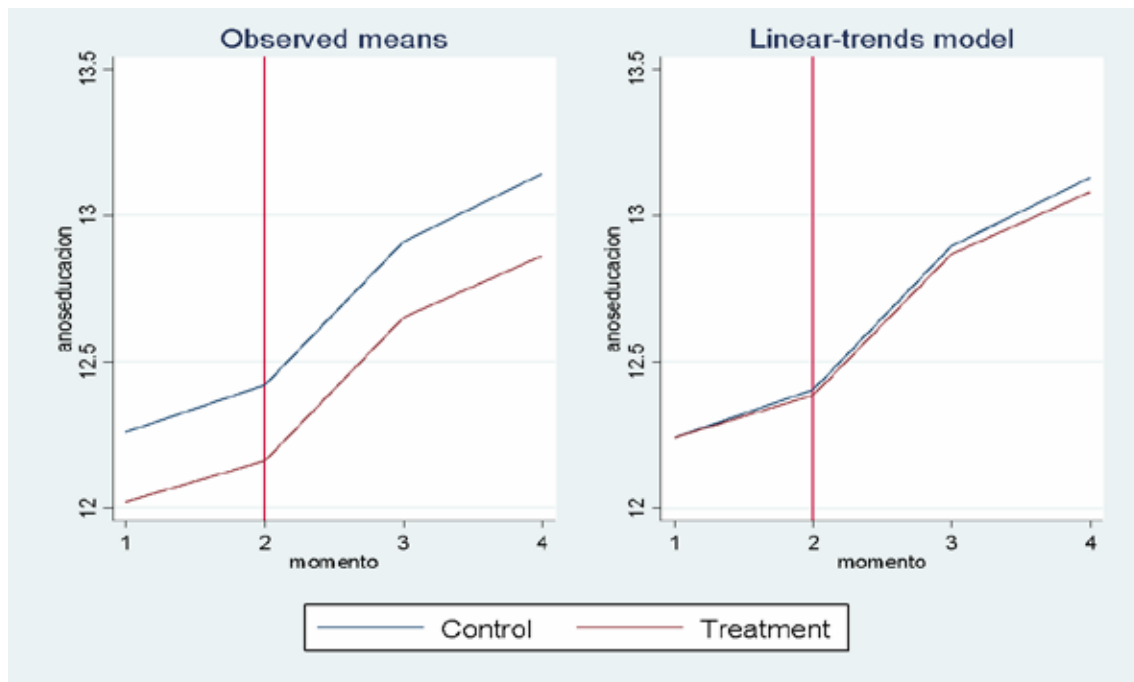
Source: own computations based on EPH-INDEC

Panel A9: DiD (2014-2015) with parallel trend testing. Employment.



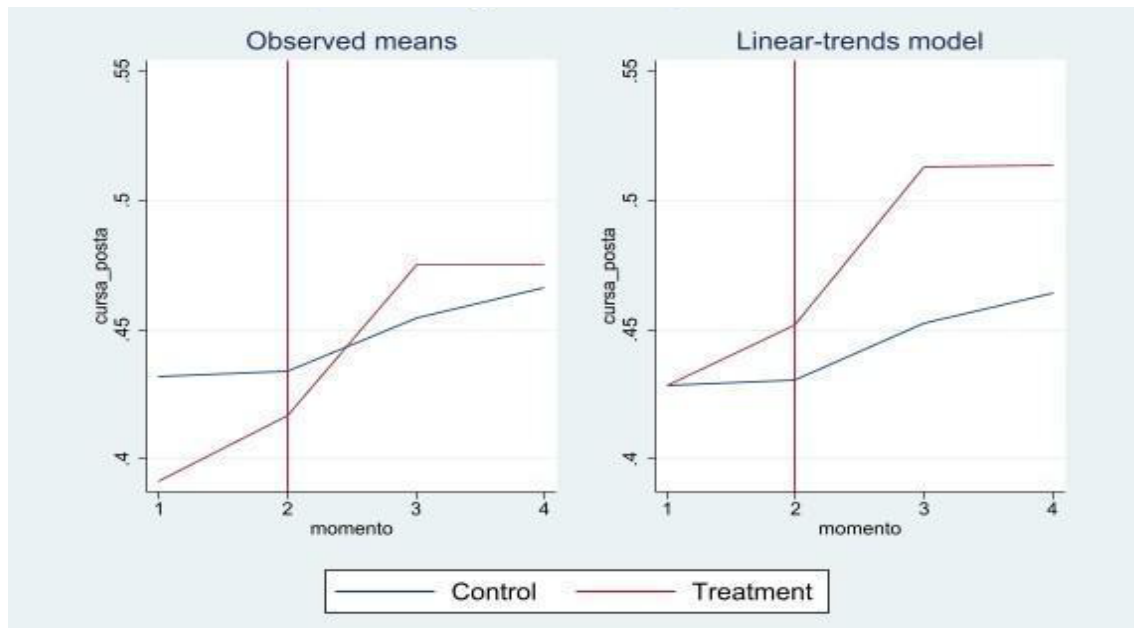
Source: own computations based on EPH-INDEC

Panel A10: DiD (2014-2015) with parallel trend testing. Years of education.



Source: own computations based on EPH-INDEC

Panel A11: DiD (2014-2015) with parallel trend testing. Attendance rate.



Source: own computations based on EPH-INDEC