1 Results

1.1 First stage

Table 1: First stage regressions

Panel A: Change in paved and gravel roads (kms) 1986-1954

	(1)	(2)	(3)	(4)
Hypothetical LCP MST (Euclidean distance) (kms)	2.202***	1.716***	1.847***	1.860**
	(0.170)	(0.156)	(0.157)	(0.153)
Studied railroad tracks (kms)	0.626***	0.534***	0.480***	0.535**
()	(0.107)	(0.101)	(0.0992)	(0.0974)
Log urban population 1960				-4.533
				(7.947)
F-stat from testing both instruments $= 0$	135.03	68.60	65.52	54.09
Geographic controls Province FE	No No	$_{ m No}^{ m Yes}$	$_{ m Yes}^{ m Yes}$	Yes Yes
Observations	311	311	311	287
nel B: Change in paved and gravel roads				201
	(1)	(2)	(3)	(4)
II the light MCT (E. 1:1 1:4) (L.)	1 470***	0.009***	1 0 41 ***	1 026**
Hypothetical LCP MST (Euclidean distance) (kms)	1.478*** (0.155)	0.983*** (0.137)	1.041*** (0.136)	1.036** (0.133)
	(0.100)	(0.131)	(0.130)	(0.133
Studied railroad tracks (kms)	0.505***	0.370***	0.342***	0.354**
, ,	(0.0982)	(0.0891)	(0.0857)	(0.0849)
Log urban population 1060				-0.188
Log urban population 1960				-0.188 (6.932)
F-stat from testing both instruments $= 0$	79.5	54.1	49.58	40.66
Geographic controls	No	Yes	Yes	Yes
deographic controls				~ ~
	No	No	Yes	Yes
Province FE	No 311	No 311	Yes 311	Yes 287
Province FE Observations nel C: Change in railroads (kms) 1986-196	311			
Province FE Observations	311			
Province FE Observations nel C: Change in railroads (kms) 1986-196	311 (1)	(2)	(3)	(4)
Province FE Observations nel C: Change in railroads (kms) 1986-196	311 30	311	311	(4) 0.0615
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms)	311 (1) 0.0478 (0.0426)	(2) 0.0532 (0.0457)	(3) 0.0584 (0.0502)	(4) 0.0615 (0.0524
Province FE Observations	311 60 (1) 0.0478	(2) 0.0532	(3) 0.0584	(4) 0.0615 (0.0524 -0.350**
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms)	311 (1) 0.0478 (0.0426) -0.359***	(2) 0.0532 (0.0457) -0.340***	(3) 0.0584 (0.0502) -0.352***	(4) 0.0615 (0.0524 -0.350** (0.0334
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960	311 (1) 0.0478 (0.0426) -0.359*** (0.0269)	(2) 0.0532 (0.0457) -0.340*** (0.0296)	(3) 0.0584 (0.0502) -0.352*** (0.0317)	(4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722)
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0	311 (1) 0.0478 (0.0426) -0.359*** (0.0269)	(2) 0.0532 (0.0457) -0.340*** (0.0296)	311 (3) 0.0584 (0.0502) -0.352*** (0.0317)	(4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls	311 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes	311 (3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes	(4) 0.0615 (0.0524 -0.350*** (0.0334 -0.576 (2.722) 20.36 Yes
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE	311 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes No	311 (3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes Yes	287 (4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes Yes
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE Observations	311 00 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No 311	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes	311 (3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes	(4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE Observations	311 00 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No 311	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes No	311 (3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes Yes	(4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes Yes
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE Observations nel D: Change in railroads (kms) 1986-197	311 00 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No 311 70 (1)	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes No 311	311 (3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes Yes 311 (3)	(4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes Yes 287
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE Observations	311 00 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No 311 70 (1) 0.0167	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes No 311 (2) 0.0419	311 (3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes Yes 311 (3) 0.0356	287 (4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes Yes 287 (4) 0.0383
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE Observations nel D: Change in railroads (kms) 1986-197	311 00 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No 311 70 (1)	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes No 311	311 (3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes Yes 311 (3)	(4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes Yes 287
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE Observations nel D: Change in railroads (kms) 1986-197 Hypothetical LCP MST (Euclidean distance) (kms)	311 00 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No 311 70 (1) 0.0167	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes No 311 (2) 0.0419	311 (3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes Yes 311 (3) 0.0356	287 (4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes Yes 287 (4) 0.0383 (0.0429
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE Observations nel D: Change in railroads (kms) 1986-197 Hypothetical LCP MST (Euclidean distance) (kms)	311 00 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No 311 70 (1) 0.0167 (0.0353)	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes No 311 (2) 0.0419 (0.0376)	311 (3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes Yes 311 (3) 0.0356 (0.0413)	287 (4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes Yes 287 (4) 0.0383
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE Observations nel D: Change in railroads (kms) 1986-197	311 00 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No 311 70 (1) 0.0167 (0.0353) -0.215***	311 (2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes No 311 (2) 0.0419 (0.0376) -0.206***	311 (3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes Yes 311 (3) 0.0356 (0.0413) -0.218***	287 (4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes Yes 287 (4) 0.0383 (0.0429 -0.218*** (0.0273 1.266
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE Observations nel D: Change in railroads (kms) 1986-197 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960	311 00 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No 311 70 (1) 0.0167 (0.0353) -0.215*** (0.0223)	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes No 311 (2) 0.0419 (0.0376) -0.206*** (0.0244)	(3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes Yes 311 (3) 0.0356 (0.0413) -0.218*** (0.0261)	287 (4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes Yes 287 (4) 0.0383 (0.0429 -0.218** (0.0273 1.266 (2.227)
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE Observations nel D: Change in railroads (kms) 1986-197 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0	311 00 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No 311 70 (1) 0.0167 (0.0353) -0.215*** (0.0223)	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes No 311 (2) 0.0419 (0.0376) -0.206*** (0.0244)	311 (3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes Yes 311 (3) 0.0356 (0.0413) -0.218*** (0.0261)	287 (4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes Yes 287 (4) 0.0383 (0.0429 -0.218*** (0.0273 1.266 (2.227) 11.93
Province FE Observations nel C: Change in railroads (kms) 1986-196 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960 F-stat from testing both instruments = 0 Geographic controls Province FE Observations nel D: Change in railroads (kms) 1986-197 Hypothetical LCP MST (Euclidean distance) (kms) Studied railroad tracks (kms) Log urban population 1960	311 00 (1) 0.0478 (0.0426) -0.359*** (0.0269) 92.78 No No 311 70 (1) 0.0167 (0.0353) -0.215*** (0.0223)	(2) 0.0532 (0.0457) -0.340*** (0.0296) 26.9 Yes No 311 (2) 0.0419 (0.0376) -0.206*** (0.0244)	(3) 0.0584 (0.0502) -0.352*** (0.0317) 24.82 Yes Yes 311 (3) 0.0356 (0.0413) -0.218*** (0.0261)	287 (4) 0.0615 (0.0524 -0.350** (0.0334 -0.576 (2.722) 20.36 Yes Yes 287 (4) 0.0383 (0.0429 -0.218*** (0.0273 1.266 (2.227)

1.2 Baseline 1960

1.2.1 Population outcomes

Table 2: Change in log population 1991-1960

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00292***	0.00183***	0.00129***	0.000960**
	(0.000538)	(0.000475)	(0.000470)	(0.000417)
Change in kms of paved and gravel roads 1986-1954	0.000176	-0.00000212	-0.000141	-0.000194
	(0.000125)	(0.000131)	(0.000136)	(0.000123)
Log urban population 1960				-0.0890***
S Y .T				(0.0211)
P-value for testing $\beta_{-2} >= \beta_{-1}$	0	0	.0009	.0022
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.08736	0.3605	0.4991	0.5159
Observations	311	311	311	287
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00621***	0.00347***	0.00366***	0.00303***
Change in kms of railroads 1986-1960	0.00621*** (0.00107)	0.00347*** (0.000999)	0.00366*** (0.000999)	
				0.00303*** (0.000906) 0.000115
	(0.00107)	(0.000999)	(0.000999)	(0.000906) 0.000115
Change in kms of railroads 1986-1960 Change in kms of paved and gravel roads 1986-1954 Log urban population 1960	(0.00107) 0.000337	(0.000999) -0.000150	(0.000999) 0.000118	,
Change in kms of paved and gravel roads 1986-1954	(0.00107) 0.000337	(0.000999) -0.000150	(0.000999) 0.000118	(0.000906) 0.000115 (0.000213)
Change in kms of paved and gravel roads 1986-1954	(0.00107) 0.000337	(0.000999) -0.000150	(0.000999) 0.000118	(0.000906) 0.000115 (0.000213) -0.0817***
Change in kms of paved and gravel roads 1986-1954 Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$	(0.00107) 0.000337 (0.000222)	(0.000999) -0.000150 (0.000244)	(0.000999) 0.000118 (0.000245)	(0.000906) 0.000115 (0.000213) -0.0817*** (0.0224)
Change in kms of paved and gravel roads 1986-1954 Log urban population 1960	(0.00107) 0.000337 (0.000222)	(0.000999) -0.000150 (0.000244)	(0.000999) 0.000118 (0.000245)	(0.000906) 0.000115 (0.000213) -0.0817*** (0.0224) .0002
Change in kms of paved and gravel roads 1986-1954 Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$ Cragg-Donald (multivariate) F-stat	(0.00107) 0.000337 (0.000222) 0 51.496	(0.000999) -0.000150 (0.000244) 0 37.8878	(0.000999) 0.000118 (0.000245) 0 39.8302	(0.000906) 0.000115 (0.000213) -0.0817*** (0.0224) .0002 35.9178

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

Table 3: Change in log urban population 1991-1960

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00145***	0.000505	0.000187	0.00000446
Change in this of fairfoads 1000 1000	(0.000547)	(0.000506)	(0.000525)	(0.000501)
Change in kms of paved and gravel roads 1986-1954	0.000168	-0.00000490	-0.0000821	-0.0000888
	(0.000136)	(0.000145)	(0.000155)	(0.000148)
Log urban population 1960				-0.134*** (0.0254)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.0072	.1505	.2988	.424
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.02500	0.2455	0.3529	0.4161
Observations	286	286	286	286
nel B: IV				
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	(1) 0.00500***	(2) 0.00277***	(3)	(4) 0.00251**
Change in kms of railroads 1986-1960				0.00251**
Change in kms of railroads 1986-1960 Change in kms of paved and gravel roads 1986-1954	0.00500***	0.00277***	0.00298***	
-	0.00500*** (0.00110)	0.00277*** (0.00107)	0.00298*** (0.00114)	0.00251** (0.00109) 0.000330
	0.00500*** (0.00110) 0.000549**	0.00277*** (0.00107) 0.000251	0.00298*** (0.00114) 0.000344	0.00251** (0.00109)
Change in kms of paved and gravel roads 1986-1954	0.00500*** (0.00110) 0.000549**	0.00277*** (0.00107) 0.000251	0.00298*** (0.00114) 0.000344	0.00251** (0.00109) 0.000330 (0.000256
Change in kms of paved and gravel roads 1986-1954 Log urban population 1960	0.00500*** (0.00110) 0.000549**	0.00277*** (0.00107) 0.000251	0.00298*** (0.00114) 0.000344	0.00251** (0.00109) 0.000330 (0.000256
Change in kms of paved and gravel roads 1986-1954 Log urban population 1960 P-value for testing $\beta_{-2} >= \beta_{-1}$	0.00500*** (0.00110) 0.000549** (0.000224)	0.00277*** (0.00107) 0.000251 (0.000245)	0.00298*** (0.00114) 0.000344 (0.000270)	0.00251** (0.00109) 0.000330 (0.000256 -0.125*** (0.0270)
Change in kms of paved and gravel roads 1986-1954	0.00500*** (0.00110) 0.000549** (0.000224)	0.00277*** (0.00107) 0.000251 (0.000245)	0.00298*** (0.00114) 0.000344 (0.000270)	0.00251** (0.00109) 0.000330 (0.000256 -0.125*** (0.0270) .013
Change in kms of paved and gravel roads 1986-1954 Log urban population 1960 P-value for testing $\beta_{-2} >= \beta_{-1}$ Cragg-Donald (multivariate) F-stat	0.00500*** (0.00110) 0.000549** (0.000224) 0 51.5397	0.00277*** (0.00107) 0.000251 (0.000245) .0043 39.1534	0.00298*** (0.00114) 0.000344 (0.000270) .0049 36.3194	0.00251** (0.00109) 0.000330 (0.000256 -0.125*** (0.0270) .013 35.66

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

Table 4: Change in share of urban population 1991-1960

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	-0.000257	-0.000330	-0.000294	-0.000508***
	(0.000202)	(0.000211)	(0.000209)	(0.000168)
Change in kms of paved and gravel roads 1986-1954	0.0000360	0.00000282	0.0000607	0.0000446
	(0.0000469)	(0.0000582)	(0.0000604)	(0.0000494)
Log urban population 1960				-0.0287***
				(0.00849)
P-value for testing $\beta_{-2} >= \beta_{-1}$.9335	.94590000000000001	.9595	.9997
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.009331	0.02141	0.2367	0.3201
Observations	311	311	311	287
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	-0.0000	301 -0.000191	-0.000237	-0.000525
	(0.0003	(0.000435)	(0.000426)	(0.0000.47)
			((0.000347)
Change in kms of paved and gravel roads 1986-19	54 0.00005	500 0.0000128	-0.00000704	0.000347)
Change in kms of paved and gravel roads 1986-19	0.00005 0.00005		,	,
Change in kms of paved and gravel roads $1986-19$ Log urban population 1960			-0.00000704	0.0000438
			-0.00000704	0.0000438 (0.0000815)
Log urban population 1960		789) (0.000106)	-0.00000704	0.0000438 (0.0000815) -0.0287***
	(0.00007	789) (0.000106) 5 .7004	-0.00000704 (0.000104)	0.0000438 (0.0000815) -0.0287*** (0.00856)
Log urban population 1960 P-value for testing $\beta_{-2} >= \beta_{-1}$.5928	789) (0.000106) 5 .7004	-0.00000704 (0.000104)	0.0000438 (0.0000815) -0.0287*** (0.00856) .9666
Log urban population 1960 P-value for testing $\beta_{-2} >= \beta_{-1}$ Cragg-Donald (multivariate) F-stat	.5928 51.49	789) (0.000106) 5 .7004 6 37.8878	-0.00000704 (0.000104) .7267 39.8302	0.0000438 (0.0000815) -0.0287*** (0.00856) .9666 35.9178

 $[\]begin{array}{c} \text{Standard errors in parentheses} \\ {}^*p < 0.10, \; {}^{**}p < 0.05, \; {}^{***}p < 0.01 \end{array}$

1.3 Baseline 1970

1.3.1 Population outcomes

Table 5: Change in log population 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00164***	0.00118***	0.000924**	0.000832**
	(0.000434)	(0.000402)	(0.000375)	(0.000370)
Change in kms of paved and gravel roads 1986-1970	0.0000745	0.00000622	-0.000219**	-0.000239**
	(0.0000921)	(0.000108)	(0.000109)	(0.000112)
Log urban population 1960				0.0323**
				(0.0145)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.0001	.0017	.001	.0017
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.04436	0.2238	0.4595	0.4737
Observations	311	311	311	287
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	(1)	(2) 0.00438***	(3) 0.00389***	(4) 0.00386**
Change in kms of railroads 1986-1970			. ,	0.00386**
	0.00660***	0.00438***	0.00389***	0.00386** (0.00112)
	0.00660*** (0.00130)	0.00438*** (0.00119)	0.00389*** (0.00111)	0.00386** (0.00112 0.000192
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	0.00660*** (0.00130) 0.000551**	0.00438*** (0.00119) 0.000346	0.00389*** (0.00111) 0.000211	
Change in kms of paved and gravel roads 1986-1970	0.00660*** (0.00130) 0.000551**	0.00438*** (0.00119) 0.000346	0.00389*** (0.00111) 0.000211	0.00386** (0.00112) 0.000192 (0.000280
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	0.00660*** (0.00130) 0.000551**	0.00438*** (0.00119) 0.000346	0.00389*** (0.00111) 0.000211	0.00386** (0.00112 0.000192 (0.000280 0.0328**
Change in kms of paved and gravel roads 1986-1970	0.00660*** (0.00130) 0.000551** (0.000233)	0.00438*** (0.00119) 0.000346 (0.000291)	0.00389*** (0.00111) 0.000211 (0.000283)	0.00386** (0.00112 0.000192 (0.000286 0.0328** (0.0164)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta2>=\beta1$ Cragg-Donald (multivariate) F-stat	0.00660*** (0.00130) 0.000551** (0.000233)	0.00438*** (0.00119) 0.000346 (0.000291)	0.00389*** (0.00111) 0.000211 (0.000283)	0.00386** (0.00112 0.000192 (0.000286* 0.0328** (0.0164)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta2>=\beta1$	0.00660*** (0.00130) 0.000551** (0.000233) 0 25.2128	0.00438*** (0.00119) 0.000346 (0.000291) .0001 18.1634	0.00389*** (0.00111) 0.000211 (0.000283) .0001 19.0977	0.00386** (0.00112 0.000192 (0.000280 0.0328** (0.0164) .0001 17.7862

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

1.3.2 Labor levels by sector of activity

Table 6: Change in log agricultural labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00149*	0.000458	-0.000362	-0.000367
	(0.000869)	(0.000809)	(0.000801)	(0.000767)
Change in kms of paved and gravel roads 1986-1970	0.000614***	0.000497**	0.000149	0.000246
	(0.000184)	(0.000216)	(0.000234)	(0.000232)
Log urban population 1960				0.138***
				(0.0300)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.1481	.5195	.7413	.7904
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03744	0.2092	0.3800	0.4535
Observations	311	311	311	287
nel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00928***	0.00406*	0.00378*	0.00443**
	(0.00244)	(0.00225)	(0.00225)	(0.00222)
Change in kms of paved and gravel roads 1986-1970	0.00136***	0.000970*	0.000914	0.00106*
	(0.000437)	(0.000549)	(0.000571)	(0.000556)
Log urban population 1960				0.138***
				(0.0325)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.0002	.061	.073	.0416
Cragg-Donald (multivariate) F-stat	25.2128	18.1634	19.0977	17.7862
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 7: Change in log mining labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)		(4)
Change in kms of railroads 1986-1970	0.00370	0.00237	-0.0009	003	-0.00234
	(0.00364)	(0.00383)	(0.0043)	30)	(0.00467)
Change in kms of paved and gravel roads 1986-1970	0.00157***	0.00162***	0.0009	59	0.00149*
	(0.000515)	(0.000609)	(0.0007)	40)	(0.000790)
Log urban population 1960					0.220
					(0.139)
P-value for testing $\beta_{-2} >= \beta_{-1}$.2702	.4207	.6728000000	.80	00600000000000001
Geographic controls	No	Yes	Yes		Yes
Province FE	No	No	Yes		Yes
R-squared	0.08207	0.1245	0.378	2	0.4145
Observations	107	107	107		99
		(1)	(2)	(3)	(4)
Characteristics of miles de 1096 1070		0.450		0.0110	
		0.173	0.751	0.0140	0.0989
Change in kms of railroads 1986-1970		0.173	0.751	0.0140	0.0282
Change in kins of railroads 1980-1970		0.173 (0.450)	0.751 (11.75)	0.0140 (0.0291)	
Change in kms of paved and gravel roads	1986-1970				(0.0356)
	1986-1970	(0.450)	(11.75)	(0.0291)	(0.0356) 0.00290
Change in kms of paved and gravel roads	1986-1970	(0.450) 0.0127	(11.75) 0.0401	(0.0291) 0.00159	(0.0356) 0.00290
	1986-1970	(0.450) 0.0127	(11.75) 0.0401	(0.0291) 0.00159	(0.0356) 0.00290 (0.00247)
Change in kms of paved and gravel roads	1986-1970	(0.450) 0.0127	(11.75) 0.0401	(0.0291) 0.00159	0.00356) 0.00290 0.00247) 0.242
Change in kms of paved and gravel roads Log urban population 1960	1986-1970	(0.450) 0.0127 (0.0323)	(11.75) 0.0401 (0.625)	(0.0291) 0.00159 (0.00221	0.00290 0.00247) 0.242 (0.181)
Change in kms of paved and gravel roads Log urban population 1960 P-value for testing $\beta - 2 >= \beta - 1$	1986-1970	(0.450) 0.0127 (0.0323) .3509	(11.75) 0.0401 (0.625) .4745	(0.0291) 0.00159 (0.00221	0.00290 0.00247) 0.242 (0.181) .2261
Change in kms of paved and gravel roads Log urban population 1960 P-value for testing β -2 >= β -1 Cragg-Donald (multivariate) F-stat	1986-1970	(0.450) 0.0127 (0.0323) .3509 .0712	(11.75) 0.0401 (0.625) .4745 .0019	(0.0291) 0.00159 (0.00221 .324 1.0203	0.00290 0.00247) 0.242 (0.181) .2261 .9956

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 8: Change in log manufacturing labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00132	0.000472	-0.000665	-0.000337
	(0.00115)	(0.00110)	(0.00101)	(0.000994)
Change in kms of paved and gravel roads 1986-1970	0.000777***	0.000212	0.0000493	0.000332
	(0.000249)	(0.000302)	(0.000304)	(0.000311)
Log urban population 1960				0.0179
				(0.0394)
P-value for testing $\beta_{-2} >= \beta_{-1}$.3123	.4064	.7642	.7519
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03162	0.1640	0.4370	0.4663
Observations	306	306	306	283
nel B: IV				
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	(1) 0.0118***	(2) 0.00669**	(3)	(4)
Change in kms of railroads 1986-1970				
	0.0118***	0.00669**	0.00357	0.00394
	0.0118*** (0.00331)	0.00669** (0.00317)	0.00357 (0.00282)	0.00394 (0.00275) 0.00114
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	0.0118*** (0.00331) 0.00212***	0.00669** (0.00317) 0.00132	0.00357 (0.00282) 0.00110	0.00394 (0.00275) 0.00114
Change in kms of paved and gravel roads 1986-1970	0.0118*** (0.00331) 0.00212***	0.00669** (0.00317) 0.00132	0.00357 (0.00282) 0.00110	0.00394 (0.00275) 0.00114 (0.000841)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	0.0118*** (0.00331) 0.00212***	0.00669** (0.00317) 0.00132	0.00357 (0.00282) 0.00110	0.00394 (0.00275) 0.00114 (0.000841) 0.0153
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta2>=\beta1$	0.0118*** (0.00331) 0.00212*** (0.000637)	0.00669** (0.00317) 0.00132 (0.000943)	0.00357 (0.00282) 0.00110 (0.000883)	0.00394 (0.00275) 0.00114 (0.000841) 0.0153 (0.0412)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$ Cragg-Donald (multivariate) F-stat	0.0118*** (0.00331) 0.00212*** (0.000637)	0.00669** (0.00317) 0.00132 (0.000943)	0.00357 (0.00282) 0.00110 (0.000883)	0.00394 (0.00275) 0.00114 (0.000841) 0.0153 (0.0412) .1054
Change in kms of paved and gravel roads 1986-1970	0.0118*** (0.00331) 0.00212*** (0.000637) .0004 21.8096	0.00669** (0.00317) 0.00132 (0.000943) .0189 13.3101	0.00357 (0.00282) 0.00110 (0.000883) .139 14.3994	0.00394 (0.00275) 0.00114 (0.000841) 0.0153 (0.0412) .1054 14.2109

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 9: Change in log electricity, gas and water labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00151	0.000757	0.000325	-0.000303
	(0.00150)	(0.00151)	(0.00164)	(0.00164)
Change in kms of paved and gravel roads 1986-1970	0.000808**	0.000740*	0.000940*	0.000729
	(0.000318)	(0.000416)	(0.000496)	(0.000501)
Log urban population 1960				0.0935 (0.0684)
P-value for testing $\beta_{-2} >= \beta_{-1}$.3138	.4955	.64440000000000000	.73330000000000000
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03091	0.08332	0.2423	0.2025
Observations	210	210	210	203
	(1)	(2		(4)
Change in kms of railroads 1986-1970	0.004	92 -0.00	0556 0.00432	0.00341
	(0.004)	18) (0.00	(0.00490)	(0.00489)
Change in kms of paved and gravel roads 1986-19	70 0.0009	949 -0.000	0.00205	0.00187
	(0.0007)	718) (0.00	(0.00124)	(0.00118)
Log urban population 1960				0.0829
				(0.0714)
P-value for testing $\beta_{-2} >= \beta_{-1}$.138	3 .5	53 .2915	.3564
Cragg-Donald (multivariate) F-stat	12.63	17 8.3	332 8.8796	8.918700000000000
Geographic controls	3.7	3.7	es Yes	Yes
deographic controls	No	Y	00 100	100
Province FE	No No			Yes

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 10: Change in log construction labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00149	0.000191	-0.00113	-0.00106
	(0.00109)	(0.00102)	(0.000984)	(0.000936)
Change in kms of paved and gravel roads 1986-1970	0.000776***	0.000614**	0.000190	0.0000528
	(0.000231)	(0.000274)	(0.000290)	(0.000282)
Log urban population 1960				0.0437 (0.0366)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.2512	.66080000000000001	.913	.8859
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03694	0.2052	0.4074	0.4212
Observations	304	304	304	285

Panel	B:	IV
-------	----	----

	(1)	(2)	(3)	(4)
	(1)	(2)	(5)	(4)
Change in kms of railroads 1986-1970	0.0125***	0.00601**	0.00332	0.00340
	(0.00316)	(0.00291)	(0.00272)	(0.00263)
Change in kms of paved and gravel roads 1986-1970	0.00196***	0.00159**	0.000894	0.000779
	(0.000566)	(0.000721)	(0.000696)	(0.000655)
Log urban population 1960				0.0439
· · ·				(0.0385)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0001	.043	.1544	.1274
Cragg-Donald (multivariate) F-stat	24.869	17.5847	18.6	17.5519
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	304	304	304	285

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

Table 11: Change in log wholesale and retail labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00271**	0.000903	-0.000491	-0.000177
	(0.00110)	(0.000954)	(0.000895)	(0.000877)
Change in kms of paved and gravel roads 1986-1970	0.000661***	0.000443*	-0.000151	-0.0000310
	(0.000234)	(0.000255)	(0.000261)	(0.000265
Log urban population 1960				0.0640*
				(0.0343)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0275	.3144	.6502	.5663
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03578	0.3207	0.5214	0.5590
Observations	306	306	306	286
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0152***	0.00604**	0.00414*	0.00467*
	(0.00329)	(0.00270)	(0.00250)	(0.00248)
C1 : 1				
Change in kms of paved and gravel roads 1986-1970	0.00186***	0.00108*	0.000490	0.000593
Change in kms of paved and gravel roads 1980-1970	0.00186*** (0.000590)	$0.00108* \ (0.000656)$	0.000490 (0.000635)	
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960				0.000593 (0.000622 0.0651*
				(0.000622
Log urban population 1960				$(0.000622$ 0.0651^*
	(0.000590)	(0.000656)	(0.000635)	(0.000622 0.0651* (0.0364)
Log urban population 1960 P-value for testing $\beta_{-}2 >= \beta_{-}1$	(0.000590)	.0192	.0482	(0.000622 0.0651* (0.0364) .0307
Log urban population 1960 P-value for testing $\beta . 2 >= \beta . 1$ Cragg-Donald (multivariate) F-stat	(0.000590) 0 25.0122	.0192 17.8691	.0482 18.766	(0.000622 0.0651* (0.0364) .0307 17.7129

 $[\]begin{array}{c} {\rm Standard\ errors\ in\ parentheses} \\ {}^*\ p < 0.10,\ {}^{**}\ p < 0.05,\ {}^{***}\ p < 0.01 \end{array}$

Table 12: Change in log hotels and restaurants labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0024	7 0.00127	0.00186	0.00166
_	(0.0015)	(0.00153)	(0.00154)	(0.00155)
Change in kms of paved and gravel roads 1986-19	70 0.0003 ₄	45 0.000267	0.000101	0.000231
The second secon	(0.0003	41) (0.000404	(0.000438)	(0.000446
Log urban population 1960				0.160***
208 arsun population 1000				(0.0605)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0819	.2569	.1249	.1763
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.0119	0.1179	0.3076	0.3320
Observations	241	241	241	235
nel B: IV				
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0158***	0.00893*	0.0111**	0.0118
	(0.00509)	(0.00512)	(0.00551)	(0.0055)
Change in kms of paved and gravel roads 1986-1970	0.00196***	0.00176*	0.00189*	0.00213
	(0.000754)	(0.000947)	(0.00112)	(0.0011)
Log urban population 1960				0.152^{*}

.0015

16.3309

No

No

241

.0616

11.6625

Yes

No

241

(0.0681)

.0244

9.9148

Yes

Yes

235

.0302

9.966100000000001

 ${\rm Yes}$

Yes

241

Province FE

Observations

P-value for testing β -2 >= β -1 Cragg-Donald (multivariate) F-stat Geographic controls

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

Table 13: Change in log transportation, storage, and communications labor 1991-1970

Panel A: OLS

	(1)	(0)	(0)	(4)
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00273**	0.00169	0.000575	0.000875
Change in kins of famoads 1900-1970				
	(0.00127)	(0.00120)	(0.00120)	(0.00117)
Change in kms of paved and gravel roads 1986-1970	0.000393	-0.000150	-0.000626*	-0.000501
	(0.000269)	(0.000327)	(0.000351)	(0.000355)
Log urban population 1960				0.119**
205 disan population 1000				(0.0466)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0291	.0627	.1561	.118
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01814	0.1777	0.3440	0.3838
Observations	302	302	302	282
anel B: IV				
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0128***	0.00681**	0.00448	0.00615*
	(0.00350)	(0.00329)	(0.00325)	(0.00327)
Change in kms of paved and gravel roads 1986-1970	0.00127**	0.000575	-0.000165	0.0000773
	(0.000624)	(0.000796)	(0.000825)	(0.000817)
Log urban population 1960				0.120**
O Laborate				(0.0486)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0001	.0173	.0514	.0171
P-value for testing $\beta_{-2} >= \beta_{-1}$ Cragg-Donald (multivariate) F-stat	.0001 24.3949	.0173 18.5875	.0514 18.4441	0.0171 17.2887
Cragg-Donald (multivariate) F-stat	24.3949	18.5875	18.4441	17.2887

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 14: Change in log financial services and insurance labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)		(4)
Change in kms of railroads 1986-1970	-0.00176	-0.00344**	-0.0040	8**	-0.00424**
	(0.00160)	(0.00153)	(0.0017	70)	(0.00163)
Change in kms of paved and gravel roads 1986-1970	-0.000404	0.0000227	0.00006	381	-0.000285
	(0.000481)	(0.000640)	(0.0007)	82)	(0.000753
Log urban population 1960					0.259***
					(0.0657)
P-value for testing $\beta_{-2} >= \beta_{-1}$.8052	.9843000000000001	.9880000000	0000001	.9877
Geographic controls	No	Yes	Yes		Yes
Province FE	No	No	Yes		Yes
R-squared	0.008626	0.1629	0.2517		0.3192
Observations	186	186	186		186
	(1)	(2)	(3)		(4)
Change in kms of railroads 1986-1970	0.00299	-0.00212	-0.00764	-0	0.00563
	(0.00431)	(0.00421)	(0.00733)	(0.	.00664)
Change in kms of paved and gravel roads 1986-1970	0.000229	0.000620	-0.00108	-0.	.000444
	(0.00117)	(0.00165)	(0.00322)	(0.	.00294)
Log urban population 1960				0.	261***
				(0	0.0739)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.2159	.80080000000000001	.9093	.876300	000000000
Cragg-Donald (multivariate) F-stat	11.0667	8.3368	2.6982	2	2.9225
Geographic controls	No	Yes	Yes		Yes
Province FE	No	No	Yes		Yes

Standard errors in parentheses * p < 0.10, *** p < 0.05, *** p < 0.01

Table 15: Change in log public administration labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00172	0.000491	-0.000435	-0.000548
Change in kins of railroads 1980-1970	(0.00172)	(0.00106)	(0.00108)	(0.00106)
	(0.00111)	(0.00100)	(0.00100)	(0.00100)
Change in kms of paved and gravel roads 1986-1970	0.000795***	0.000152	-0.00000780	0.000134
	(0.000246)	(0.000284)	(0.000315)	(0.000317)
Log urban population 1960				0.0234
Log di ban population 1900				(0.0412)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.2067	.3746	.6558	.7426
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03530	0.2493	0.3785	0.3811
Observations	302	302	302	283
nel B: IV				
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	(1) 0.0118***	(2)	(3)	(4)
Change in kms of railroads 1986-1970				
	0.0118*** (0.00335)	0.00375 (0.00303)	0.00210 (0.00303)	0.00260 (0.00300)
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970	0.0118***	0.00375	0.00210	0.00260 (0.00300) 0.000114
Change in kms of paved and gravel roads 1986-1970	0.0118*** (0.00335) 0.00166***	0.00375 (0.00303) 0.000451	0.00210 (0.00303) -0.0000252	0.00260 (0.00300) 0.000114 (0.000721)
Change in kms of paved and gravel roads 1986-1970	0.0118*** (0.00335) 0.00166***	0.00375 (0.00303) 0.000451	0.00210 (0.00303) -0.0000252	0.00260 (0.00300) 0.000114 (0.000721) 0.0257
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	0.0118*** (0.00335) 0.00166***	0.00375 (0.00303) 0.000451	0.00210 (0.00303) -0.0000252	0.00260 (0.00300) 0.000114 (0.000721)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta2>=\beta1$	0.0118*** (0.00335) 0.00166*** (0.000585)	0.00375 (0.00303) 0.000451 (0.000723)	0.00210 (0.00303) -0.0000252 (0.000744)	0.00260 (0.00300) 0.000114 (0.000721) 0.0257 (0.0419)
	0.0118*** (0.00335) 0.00166*** (0.000585)	0.00375 (0.00303) 0.000451 (0.000723)	0.00210 (0.00303) -0.0000252 (0.000744)	0.00260 (0.00300) 0.000114 (0.000721) 0.0257 (0.0419) .1722
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing β -2 >= β -1 Cragg-Donald (multivariate) F-stat	0.0118*** (0.00335) 0.00166*** (0.000585) .0004 23.1062	0.00375 (0.00303) 0.000451 (0.000723) .1084 15.8659	0.00210 (0.00303) -0.0000252 (0.000744) .2114 16.9462	0.00260 (0.00300) 0.000114 (0.000721) 0.0257 (0.0419) .1722 16.1379

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

Table 16: Change in log real estate and business labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000795	-0.000867	-0.000407	0.000454
	(0.00191)	(0.00182)	(0.00193)	(0.00168)
Change in kms of paved and gravel roads 1986-1970	-0.000210	0.000213	0.000444	0.000514
	(0.000374)	(0.000464)	(0.000552)	(0.000479)
Log urban population 1960				0.406***
				(0.0630)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.2902	.7238	.66970000000000001	.5142
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.004268	0.1800	0.3273	0.4909
Observations	174	174	174	172

Pa

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0168** (0.00746)	0.00831 (0.00727)	0.00146 (0.00629)	0.00550 (0.00583)
Change in kms of paved and gravel roads 1986-1970	0.00188* (0.00109)	0.00213 (0.00143)	0.000748 (0.00144)	0.00124 (0.00130)
Log urban population 1960				0.421*** (0.0674)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0116	.1589	.4462	.1921
Cragg-Donald (multivariate) F-stat	7.8679000000000001	4.9869	5.7267	5.3132
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	174	174	172	170

 $[\]begin{array}{c} {\rm Standard\ errors\ in\ parentheses} \\ {*\ p < 0.10,\ ^{**}\ p < 0.05,\ ^{***}\ p < 0.01} \end{array}$

Table 17: Change in log education labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)		(4)
Change in kms of railroads 1986-1970	0.00217*	0.000599	-0.000	704	-0.000676
	(0.00120)	(0.00107)	(0.001)	02)	(0.00102)
Change in kms of paved and gravel roads 1986-1970	0.00134***	0.000958***	0.000	133	0.000123
	(0.000255)	(0.000286)	(0.0003	299)	(0.000307)
Log urban population 1960					0.0652 (0.0399)
P-value for testing $\beta_{-2} >= \beta_{-1}$.2366	.6317	.796800000	0000001 .	7868000000000000
Geographic controls	No	Yes	Yes	S	Yes
Province FE	No	No	Yes	3	Yes
R-squared	0.08426	0.3118	0.496	32	0.5071
Observations	305	305	305	5	284
		(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	(0.0128***	0.00412	0.00198	0.00311
					0.00011
	((0.00333)	(0.00290)	(0.00276	
Change in kms of paved and gravel roads 198	`	(0.00333) .00230***	(0.00290) 0.00145**	0.00276	(0.00278)
Change in kms of paved and gravel roads 198	86-1970 0	, /	,		(0.00278) 8 0.000630
Change in kms of paved and gravel roads 198 Log urban population 1960	86-1970 0	.00230***	0.00145**	0.00048	(0.00278) 8 0.000630
	86-1970 0	.00230***	0.00145**	0.00048	8 0.000630 (0.00278) (0.000630)
Log urban population 1960	86-1970 0	.00230***	0.00145**	0.00048	8 0.000630 0) (0.0059
	86-1970 0	.00230*** 0.000601)	0.00145** (0.000716)	0.00048 (0.00070	8 0.000630 0) (0.00659 (0.0411) .1548
Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$	86-1970 0	.00230*** 0.000601)	0.00145** (0.000716)	0.00048 (0.00070	8 0.000630 0) (0.0059 (0.0411) .1548
Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$ Cragg-Donald (multivariate) F-stat	86-1970 0	.00230*** 0.000601) .0002 25.2076	0.00145** (0.000716) .1503 18.0514	0.00048 (0.00070 .2686 18.7598	8 0.000630 0) (0.00278) 8 0.000630 0) (0.000697 0.0659 (0.0411) .1548 5 17.7111

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 18: Change in log health and social work labor 1991-1970

Panel A: OLS

		(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0	000130	-0.000641	-0.00160	-0.00169
	(0.	00141)	(0.00138)	(0.00137)	(0.00136)
Change in kms of paved and gravel roads 1986-1970	0.00	00813***	0.000669*	0.000304	0.000406
	(0.0	000279)	(0.000348)	(0.000385)	(0.000404)
Log urban population 1960					0.156*** (0.0532)
P-value for testing $\beta_{-2} >= \beta_{-1}$.693000	0000000001	.8308000000000000	.9224	.9424
Geographic controls		No	Yes	Yes	Yes
Province FE		No	No	Yes	Yes
R-squared	0.	.03412	0.1267	0.3109	0.3316
Observations	262		262	262	246
A		(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970		0.00686*	0.00174	0.00184	0.00204
Change in kins of famoads 1500-1570		(0.00381)	(0.00388)	(0.00378)	(0.00204)
Change in kms of paved and gravel roads 1986	-1970	0.00155*** (0.000592)	0.00129	0.000449 (0.000919)	0.000367 (0.000916)
Log urban population 1960		(0.000002)	(0.00000)	(0.000010)	,
					0.162^{***} (0.0544)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0628	.4491	.3386	
P-value for testing $\beta_{-2} >= \beta_{-1}$ Cragg-Donald (multivariate) F-stat		.0628 20.786	.4491 15.8126	.3386 15.5358	(0.0544)
Cragg-Donald (multivariate) F-stat			-		(0.0544)
P-value for testing $\beta_{-2} >= \beta_{-1}$ Cragg-Donald (multivariate) F-stat Geographic controls Province FE		20.786	15.8126	15.5358	.3081 15.0447

 $[\]begin{array}{c} {\rm Standard\ errors\ in\ parentheses} \\ {}^*\ p < 0.10,\ {}^{**}\ p < 0.05,\ {}^{***}\ p < 0.01 \\ \end{array}$

Table 19: Change in log other services labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00224*	0.00158	0.000705	0.000793
	(0.00125)	(0.00122)	(0.00125)	(0.00125)
Change in kms of paved and gravel roads 1986-1970	0.000905***	0.000399	0.000157	0.000296
	(0.000287)	(0.000351)	(0.000401)	(0.000404)
Log urban population 1960				0.0109 (0.0500)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.1324	.1683	.3302	.3449
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03827	0.1490	0.2930	0.3143
Observations	274	274	274	262
nel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0156***	0.0109***	0.00769**	0.00835^*
	(0.00416)	(0.00399)	(0.00381)	(0.00400)
Change in kms of paved and gravel roads 1986-1970	0.00329***	0.00306**	0.00309**	0.00278*
	(0.000875)	(0.00122)	(0.00128)	(0.00123)
Log urban population 1960				-0.00682
				(0.0569)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0002	.0077	.0684	.0432
Cragg-Donald (multivariate) F-stat	16.2604	11.3147	12.4945	11.4781
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	274	274	273	261

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 20: Change in log other household services labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00160	0.000272	-0.000815	-0.00104
	(0.00114)	(0.00107)	(0.00100)	(0.000968)
Change in kms of paved and gravel roads 1986-1970	0.000464*	0.000342	0.000140	0.000370
	(0.000241)	(0.000287)	(0.000293)	(0.000292)
Log urban population 1960				-0.0561
				(0.0379)
P-value for testing $\beta_{-2} >= \beta_{-1}$.1507	.5259	.83290000000000001	.9293
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01485	0.1696	0.4198	0.4450
Observations	310	310	310	286

 \mathbf{P}

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00957*** (0.00306)	0.00244 (0.00290)	0.00339 (0.00276)	0.00278 (0.00266)
Change in kms of paved and gravel roads 1986-1970	0.00117** (0.000548)	0.000573 (0.000709)	0.000830 (0.000702)	0.000959 (0.000668)
Log urban population 1960				-0.0556 (0.0392)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0011	.2338	.1445	.2181
Cragg-Donald (multivariate) F-stat	25.1316	18.0999	19.0276	17.7129
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	310	310	310	286

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

1.3.3 Labor shares by sector of activity

Table 21: Change in share of agricultural labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.000155	-0.000165	-0.0000868	-0.0000555
	(0.000149)	(0.000142)	(0.000140)	(0.000118)
Change in kms of paved and gravel roads 1986-1970	-0.000101***	-0.0000200	-0.0000651	-0.0000835**
	(0.0000315)	(0.0000379)	(0.0000409)	(0.0000356)
Log urban population 1960				0.0409***
O P. P				(0.00460)
P-value for testing $\beta_{-2} >= \beta_{-1}$.6472 .8	84720000000000001	.5623	.4048
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03228	0.1644	0.3459	0.5200
Observations	311	311	311	287
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	(1) -0.000298	(2) -0.000120	(3)	(4)
Change in kms of railroads 1986-1970				
	-0.000298	-0.000120	0.000135	0.000329
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970	-0.000298 (0.000370)	-0.000120 (0.000381)	0.000135 (0.000375)	0.000329 (0.000321)
	-0.000298 (0.000370) -0.000115*	-0.000120 (0.000381) -0.0000191	0.000135 (0.000375) -0.0000102	0.000329 (0.000321) -0.0000192
Change in kms of paved and gravel roads 1986-1970	-0.000298 (0.000370) -0.000115*	-0.000120 (0.000381) -0.0000191	0.000135 (0.000375) -0.0000102	0.000329 (0.000321) -0.0000192 (0.0000805)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	-0.000298 (0.000370) -0.000115*	-0.000120 (0.000381) -0.0000191 (0.0000930)	0.000135 (0.000375) -0.0000102	0.000329 (0.000321) -0.0000192 (0.0000805) 0.0410***
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta .2 >= \beta .1$	-0.000298 (0.000370) -0.000115* (0.0000663)	-0.000120 (0.000381) -0.0000191 (0.0000930)	0.000135 (0.000375) -0.0000102 (0.0000954)	0.000329 (0.000321) -0.0000192 (0.0000805) 0.0410*** (0.00471)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta.2 >= \beta.1$ Cragg-Donald (multivariate) F-stat	-0.000298 (0.000370) -0.000115* (0.0000663)	-0.000120 (0.000381) -0.0000191 (0.0000930)	0.000135 (0.000375) -0.0000102 (0.0000954)	0.000329 (0.000321) -0.0000192 (0.0000805) 0.0410*** (0.00471) .1084
Change in kms of paved and gravel roads 1986-1970	-0.000298 (0.000370) -0.000115* (0.0000663) .70820000000000 25.2128	-0.000120 (0.000381) -0.0000191 (0.0000930) 	0.000135 (0.000375) -0.0000102 (0.0000954) .3295 19.0977	0.000329 (0.000321) -0.0000192 (0.0000805) 0.0410*** (0.00471) .1084 17.7862

Standard errors in parentheses * p < 0.10, *** p < 0.05, *** p < 0.01

Table 22: Change in share of mining labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0000970	0.0000944*	0.0000811	0.0000834
Change in kins of fairfoads 1500-1570	(0.000053		(0.0000563)	(0.0000573)
	`	, , ,	,	
Change in kms of paved and gravel roads $1986-19$			0.0000208	0.0000336*
	(0.000011)	3) (0.0000144)	(0.0000164)	(0.0000173)
Log urban population 1960				-0.000387
O a training				(0.00224)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0736	.1379	.1385	.1899
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01778	0.05176	0.1762	0.2220
Observations	311	311	311	287
nel B: IV	(1)	(2)	(3)	(4)
			. ,	
Change in kms of railroads 1986-1970	-0.000103	-0.000106	0.00000178	0.0000557
	(0.000139)	(0.000153)	(0.000150)	(0.000153)
Change in kms of paved and gravel roads 1986-1970	-0.0000267	-0.0000326	0.00000210	0.0000147
	(0.0000248)	(0.0000372)	(0.0000383)	(0.0000384
Log urban population 1960				-0.000336
				(0.00225)
P-value for testing $\beta_{-2} >= \beta_{-1}$.7297	.70710000000000001	.501	.38
Cragg-Donald (multivariate) F-stat	25.2128	18.1634	19.0977	17.7862
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

Table 23: Change in share of manufacturing labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.0000757	-0.0000114	-0.0000448	-0.0000286
	(0.0000940)	(0.0000896)	(0.0000904)	(0.0000885)
Change in kms of paved and gravel roads 1986-1970	0.0000365*	0.00000450	0.0000247	0.0000433
	(0.0000199)	(0.0000239)	(0.0000264)	(0.0000267)
Log urban population 1960				-0.0117***
				(0.00346)
P-value for testing $\beta_{-2} >= \beta_{-1}$.8911	.5705	.78250000000000001	.7943
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01616	0.1543	0.3104	0.3765
Observations	311	311	311	287
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.00017	74 0.00009	0.000199	-0.000272
	(0.00005	· - \ (0.0000		0.000
	(0.00023	(0.00024)	(0.000242)	(0.000241)
Change in kms of paved and gravel roads 1986-197	,	, ,	, , ,	
Change in kms of paved and gravel roads 1986-197	,	91 0.00006	-0.0000123	(0.000241)
Change in kms of paved and gravel roads 1986-197 Log urban population 1960	0.000059	91 0.00006	-0.0000123	(0.000241) -0.0000155
	0.000059	91 0.00006	-0.0000123	(0.000241) -0.0000155 (0.0000603)
	0.000059	91 0.00006 21) (0.00005	527 -0.0000123 593) (0.0000615)	(0.000241) -0.0000155 (0.0000603) -0.0116***
Log urban population 1960	0 0.000059 (0.000045	91 0.00006 21) (0.00005	527 -0.0000123 593) (0.0000615) 8 .8102	(0.000241) -0.0000155 (0.0000603) -0.0116*** (0.00353)
Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$	0.000053 (0.000042	91 0.00006 21) (0.00005	527 -0.0000123 593) (0.0000615) 8 .8102	(0.000241) -0.0000155 (0.0000603) -0.0116*** (0.00353) .8877
Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$ Cragg-Donald (multivariate) F-stat	0 0.00005 (0.00004: .8649 25.212	91 0.00006 21) (0.00005 .4468 8 18.163	327 -0.0000123 393) (0.0000615) 3 .8102 3 19.0977	(0.000241) -0.0000155 (0.0000603) -0.0116*** (0.00353) .8877 17.7862

 $[\]begin{array}{c} \text{Standard errors in parentheses} \\ ^*p < 0.10, \ ^{**}p < 0.05, \ ^{***}p < 0.01 \end{array}$

1.3.4 Labor levels by broad sector of activity

Table 24: Change in log primary sector labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00331	0.000515	0.000443	0.000310
<u> </u>	(0.00235)	(0.00184)	(0.00173)	(0.00129)
Change in kms of paved and gravel roads 1986-1970	-0.00112**	0.000252	-0.000872*	-0.000999
	(0.000497)	(0.000492)	(0.000506)	(0.000390
Log urban population 1960				0.750***
				(0.0505)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.0258	.4432	.2205	.1529
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.02898	0.4355	0.5988	0.7913
Observations	311	311	311	287
nel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0207***	0.0116**	0.00967**	0.0137*
	(0.00637)	(0.00531)	(0.00487)	(0.0041
Change in kms of paved and gravel roads 1986-1970	0.000678	0.00231*	0.000742	0.0008
	(0.00114)	(0.00130)	(0.00124)	(0.0010
Log urban population 1960				0.753**
				(0.0609)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0002	.0245	.0182	.0002
Cragg-Donald (multivariate) F-stat	25.2128	18.1634	19.0977	17.786
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 25: Change in log secondary sector labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00204**	0.000971	-0.000327	-0.000355
	(0.00100)	(0.000949)	(0.000848)	(0.000789)
Change in kms of paved and gravel roads 1986-1970	0.000837***	0.000609**	0.000213	0.000330
	(0.000212)	(0.000253)	(0.000247)	(0.000238)
Log urban population 1960				0.00940
				(0.0308)
P-value for testing $\beta_{-2} >= \beta_{-1}$.1072	.3512	.7411	.8099
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.05151	0.1955	0.4847	0.5251
Observations	311	311	311	287
	(1)	(2)	(3)	(4)
		0.00570**	0.00300	
Change in kms of railroads 1986-1970	0.0114***	0.00579**	0.00300	0.00300
Change in kms of railroads 1986-1970	$0.0114^{***} \\ (0.00287)$	(0.00579^{**})	(0.00234)	0.00300 (0.00220)
	0.0		0.0000	
	(0.00287)	(0.00272)	(0.00234)	(0.00220) 0.00113**
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	(0.00287) 0.00208***	(0.00272) 0.00185***	(0.00234) 0.00103*	(0.00220)
Change in kms of paved and gravel roads 1986-1970	(0.00287) 0.00208***	(0.00272) 0.00185***	(0.00234) 0.00103*	(0.00220) 0.00113** (0.000552)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	(0.00287) 0.00208***	(0.00272) 0.00185***	(0.00234) 0.00103*	(0.00220) 0.00113** (0.000552) 0.00881
Change in kms of paved and gravel roads 1986-1970	(0.00287) 0.00208*** (0.000514)	(0.00272) 0.00185*** (0.000664)	(0.00234) 0.00103* (0.000595)	(0.00220) 0.00113** (0.000552) 0.00881 (0.0323)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$ Cragg-Donald (multivariate) F-stat Geographic controls	(0.00287) 0.00208*** (0.000514)	(0.00272) 0.00185*** (0.000664)	(0.00234) 0.00103* (0.000595)	(0.00220) 0.00113** (0.000552) 0.00881 (0.0323) .1655
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$ Cragg-Donald (multivariate) F-stat	(0.00287) 0.00208*** (0.000514) .0002 25.2128	(0.00272) 0.00185*** (0.000664) .051 18.1634	(0.00234) 0.00103* (0.000595) .1678 19.0977	(0.00220) 0.00113*** (0.000552) 0.00881 (0.0323) .1655 17.7862

Standard errors in parentheses * p < 0.10, *** p < 0.05, *** p < 0.01

Table 26: Change in log tertiary sector labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00243**	0.000989	-0.0000768	-0.000103
	(0.000963)	(0.000813)	(0.000766)	(0.000713)
Change in kms of paved and gravel roads 1986-1970	0.000710***	0.000291	-0.0000101	0.000124
	(0.000204)	(0.000217)	(0.000223)	(0.000215)
Log urban population 1960				0.0266
Q I. I				(0.0279)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0326	.195	.5352	.6265
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.04656	0.3570	0.5430	0.5725
Observations	311	311	311	287
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0141***	0.00606***	0.00506**	
	0.0111	0.00000	0.00500	0.00542**
	(0.00294)	(0.00234)	(0.00221)	0.00542^{**} (0.00213)
Change in kms of paved and gravel roads 1986-1970	0.0	0.0000		
Change in kms of paved and gravel roads 1986-1970	(0.00294)	(0.00234)	(0.00221)	(0.00213)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	(0.00294) 0.00186***	(0.00234) 0.00105*	(0.00221) 0.000734	(0.00213) 0.000884*
	(0.00294) 0.00186***	(0.00234) 0.00105*	(0.00221) 0.000734	(0.00213) 0.000884* (0.000533)
Log urban population 1960	(0.00294) 0.00186***	(0.00234) 0.00105*	(0.00221) 0.000734	(0.00213) 0.000884* (0.000533) 0.0276
Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$	(0.00294) 0.00186*** (0.000526)	(0.00234) 0.00105* (0.000572)	(0.00221) 0.000734 (0.000561)	(0.00213) 0.000884* (0.000533) 0.0276 (0.0312)
Log urban population 1960 P-value for testing $\beta . 2 >= \beta . 1$ Cragg-Donald (multivariate) F-stat Geographic controls	(0.00294) 0.00186*** (0.000526)	(0.00234) 0.00105* (0.000572)	(0.00221) 0.000734 (0.000561)	(0.00213) 0.000884* (0.000533) 0.0276 (0.0312) .0075
	(0.00294) 0.00186*** (0.000526) 0 25.2128	(0.00234) 0.00105* (0.000572) .0079 18.1634	(0.00221) 0.000734 (0.000561) .0127 19.0977	(0.00213) 0.000884* (0.000533) 0.0276 (0.0312) .0075 17.7862

Standard errors in parentheses * p < 0.10, *** p < 0.05, *** p < 0.01

1.3.5 Labor shares by broad sector of activity

Table 27: Change in share of primary sector labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.0000580	-0.0000707	-0.00000564	0.0000279
Ü	(0.000146)	(0.000139)	(0.000137)	(0.000115)
Change in kms of paved and gravel roads 1986-	1970 -0.0000788** (0.0000309)		-0.0000443 (0.0000400)	-0.0000499 (0.0000348)
Log urban population 1960				0.0406*** (0.00450)
P-value for testing $\beta_2 >= \beta_1$.4414	.7328	.3875	.2473
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.02092	0.1548	0.3414	0.5150
Observations	311	311	311	287
nel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.000401	-0.000226	0.000137	0.000385
	(0.000367)	(0.000376)	(0.000366)	(0.000313)
Change in kms of paved and gravel roads 1986-1970	-0.000142** (0.0000658)	-0.0000517 (0.0000917)	-0.00000807 (0.0000930)	-0.00000450 (0.0000785)
Log urban population 1960				0.0406*** (0.00459)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.78360000000000001	.70000000000000000	.3257	.0783
Cragg-Donald (multivariate) F-stat	25.2128	18.1634	19.0977	17.7862
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

Table 28: Change in share of secondary sector labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.0000442	0.0000217	-0.0000375	-0.0000472
	(0.000116)	(0.000111)	(0.000112)	(0.000101)
Change in kms of paved and gravel roads 1986-197	0.0000698***	0.0000368	0.0000597^*	0.0000494
	(0.0000245)	(0.0000297)	(0.0000328)	(0.0000306)
Log urban population 1960				-0.0206***
Ŭ				(0.00396)
P-value for testing $\beta_{-2} >= \beta_{-1}$.8451000000000000	1 .554	.8103	.8323
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.02947	0.1528	0.3082	0.4044
Observations	311	311	311	287
nel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.000324	-0.0000895	-0.000388	-0.000527*
Change in kms of railroads 1986-1970	-0.000324 (0.000291)	-0.0000895 (0.000299)	-0.000388 (0.000306)	-0.000527* (0.000283)
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970				
	(0.000291)	(0.000299)	(0.000306)	(0.000283) -0.0000285
	(0.000291) 0.0000466	(0.000299) 0.0000181	(0.000306) -0.0000232	(0.000283)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	(0.000291) 0.0000466 (0.0000521)	(0.000299) 0.0000181 (0.0000730)	(0.000306) -0.0000232 (0.0000777)	-0.000283) -0.0000285 (0.0000710) -0.0206*** (0.00416)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta.2 >= \beta.1$	(0.000291) 0.0000466 (0.0000521) .92150000000000001	(0.000299) 0.0000181 (0.0000730) 657500000000000000000000000000000000000	(0.000306) -0.0000232 (0.0000777)	(0.000283) -0.0000285 (0.0000710) -0.0206*** (0.00416) .9776
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$ Cragg-Donald (multivariate) F-stat	(0.000291) 0.0000466 (0.0000521) .92150000000000001 .0 25.2128	(0.000299) 0.0000181 (0.0000730) 65750000000000001 18.1634	(0.000306) -0.0000232 (0.0000777) .9132 19.0977	(0.000283) -0.0000285 (0.0000710) -0.0206*** (0.00416) .9776 17.7862
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta.2 >= \beta.1$ Cragg-Donald (multivariate) F-stat Geographic controls	(0.000291) 0.0000466 (0.0000521) .92150000000000001 25.2128 No	(0.000299) 0.0000181 (0.0000730) 65750000000000001 18.1634 Yes	(0.000306) -0.0000232 (0.0000777) .9132 19.0977 Yes	(0.000283) -0.0000285 (0.0000710) -0.0206*** (0.00416) .9776 17.7862 Yes
Change in kms of paved and gravel roads 1986-1970	(0.000291) 0.0000466 (0.0000521) .92150000000000001 .0 25.2128	(0.000299) 0.0000181 (0.0000730) 65750000000000001 18.1634	(0.000306) -0.0000232 (0.0000777) .9132 19.0977	(0.000283) -0.0000285 (0.0000710) -0.0206*** (0.00416) .9776 17.7862

Standard errors in parentheses $\label{eq:problem} \begin{tabular}{ll} * p < 0.10, *** p < 0.05, **** p < 0.01 \end{tabular}$

Table 29: Change in share of tertiary sector labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
GI 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000105		0.000040-	
Change in kms of railroads 1986-1970	0.000102	0.0000490	0.0000432	0.0000192
	(0.000129)	(0.000127)	(0.000127)	(0.000123)
Change in kms of paved and gravel roads 1986-1970	0.00000903	-0.0000524	-0.0000155	0.000000493
	(0.0000273)	(0.0000340)	(0.0000369)	(0.0000372)
Log urban population 1960				-0.0200***
				(0.00482)
P-value for testing $\beta_{-2} >= \beta_{-1}$.2276	.2127	.3191	.4389
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.002102	0.07630	0.2692	0.2938
Observations	311	311	311	287
nel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000725**	0.000316	0.000251	0.000142
	(0.000334)	(0.000347)	(0.000339)	(0.000329)
Change in kms of paved and gravel roads 1986-1970	0.0000955	0.0000336	0.0000313	0.0000330
	(0.0000599)	(0.0000847)	(0.0000861)	(0.0000826)
	()	()	,	,
Log urban population 1960	((* * * * * * * * * * * * * * * * * * *	,	-0.0200***
Log urban population 1960	(* * * * * * * * * * * * * * * * * * *	(* * * * * * * * * * * * * * * * * * *	,	-0.0200*** (0.00484)
	.0182	.1794	.2295	
P-value for testing $\beta . 2 >= \beta . 1$,	,	, ,	(0.00484)
P-value for testing $\beta . 2 >= \beta . 1$ Cragg-Donald (multivariate) F-stat	.0182	.1794	.2295	(0.00484)
Log urban population 1960 P-value for testing $\beta.2 >= \beta.1$ Cragg-Donald (multivariate) F-stat Geographic controls Province FE	.0182 25.2128	.1794 18.1634	.2295 19.0977	(0.00484) .3528 17.7862

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

1.3.6 Employment levels

Table 30: Change in log unemployed 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000949	0.000303	-0.000779	-0.00124
	(0.00109)	(0.00108)	(0.00107)	(0.00110)
Change in kms of paved and gravel roads 1986-1970	-0.000226	-0.000126	-0.000581*	-0.000692**
	(0.000243)	(0.000290)	(0.000311)	(0.000326)
Log urban population 1960				0.0680
				(0.0430)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.133	.346	.5747	.69380000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.007664	0.08726	0.2936	0.3129
Observations	288	288	288	269

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00513*	0.00189	0.00317	0.00241
	(0.00300)	(0.00316)	(0.00297)	(0.00314)
Change in kms of paved and gravel roads 1986-1970	0.0000490	-0.000122	-0.0000426	-0.000148
	(0.000570)	(0.000747)	(0.000737)	(0.000749)
Log urban population 1960				0.0667
				(0.0441)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.0271	.2329	.1088	.1758
Cragg-Donald (multivariate) F-stat	19.1067	13.9787	16.8576	14.9333
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	288	288	288	269

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

Table 31: Change in log inactive 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00122***	0.000888**	0.000709*	0.000660*
-	(0.000456)	(0.000448)	(0.000423)	(0.000377)
Change in kms of paved and gravel roads 1986-1970	-0.0000659	-0.0000333	-0.000250**	-0.000334**
	(0.0000967)	(0.000120)	(0.000123)	(0.000114)
Log urban population 1960				0.0454***
				(0.0147)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0018	.0197	.0106	.0038
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.02860	0.1143	0.3680	0.4518
Observations	311	311	311	287
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00528***	0.00401***	0.00358***	0.00346**
Change in kms of railroads 1986-1970	0.00528*** (0.00128)	0.00401*** (0.00131)	0.00358*** (0.00122)	
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970	(0.00128)			0.00346** (0.00112 0.000118
	(0.00128)	(0.00131)	(0.00122)	(0.00112 0.000118
	(0.00128) 0.000388*	(0.00131) 0.000402	(0.00122) 0.000176	(0.00112
Change in kms of paved and gravel roads 1986-1970	(0.00128) 0.000388*	(0.00131) 0.000402	(0.00122) 0.000176	(0.00112 0.000113 (0.00028
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	(0.00128) 0.000388*	(0.00131) 0.000402	(0.00122) 0.000176	(0.00112 0.000114 (0.00028 0.0457**
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	(0.00128) 0 0.000388* (0.000230)	(0.00131) 0.000402 (0.000319)	(0.00122) 0.000176 (0.000311)	(0.00112 0.00011 (0.00028 0.0457** (0.0164 .0003
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta - 2 >= \beta - 1$	(0.00128) 0 0.000388* (0.000230)	(0.00131) 0.000402 (0.000319) .0009	(0.00122) 0.000176 (0.000311) .0007	(0.00112 0.000114 (0.00028 0.0457*** (0.0164
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta - 2 >= \beta - 1$ Cragg-Donald (multivariate) F-stat	(0.00128) 0 0.000388* (0.000230) 0 25.2128	(0.00131) 0.000402 (0.000319) .0009 18.1634	(0.00122) 0.000176 (0.000311) .0007 19.0977	0.000112 0.000114 (0.00028 0.0457*** (0.0164 .0003 17.7862

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

Table 32: Change in log self-employed workers 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00175***	0.000813	0.000491	0.000691
	(0.000611)	(0.000540)	(0.000546)	(0.000516)
Change in kms of paved and gravel roads 1986-1970	-0.000118	-0.0000880	-0.000427***	-0.000458**
	(0.000129)	(0.000144)	(0.000159)	(0.000156)
Log urban population 1960				0.0703***
· ·				(0.0202)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0008	.0473	.0438	.0121
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03450	0.2857	0.4159	0.4816
Observations	311	311	311	287
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00797***	0.00337**	0.00403**	0.00444**
	(0.00176)	(0.00150)	(0.00157)	(0.00153)
Change in kms of paved and gravel roads 1986-1970	0.000437	0.0000901	0.000161	0.000139
	0.000-0.			0.000100
	(0.000316)	(0.000367)	(0.000399)	(0.000383
Log urban population 1960		(0.000367)	(0.000399)	
Log urban population 1960		(0.000367)	(0.000399)	(0.000383
Log urban population 1960 P-value for testing $\beta_{-2} >= \beta_{-1}$.0069	.0024	(0.000383 0.0707**
	(0.000316)		, (,	(0.000383 0.0707** (0.0224) .0007
P-value for testing $\beta_{-2} >= \beta_{-1}$ Cragg-Donald (multivariate) F-stat	(0.000316)	.0069	.0024	(0.000383 0.0707** (0.0224) .0007
P-value for testing $\beta_{-2} >= \beta_{-1}$	(0.000316) 0 25.2128	.0069	.0024 19.0977	(0.000383 0.0707** (0.0224) .0007 17.7862

Observations
Standard errors in parentheses

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 33: Change in log salary workers 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00126**	0.000808*	0.000888**	0.000798*
Change in kins of famous 1900 1910	(0.000501)	(0.000471)	(0.000435)	(0.000440)
Change in kms of paved and gravel roads 1986-1970	0.000221**	0.000119	-0.0000891	-0.000116
onange in min of pared and graver roads 1000 1070	(0.000106)	(0.000126)	(0.000127)	(0.000133)
Log urban population 1960				0.0184
				(0.0172)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0166	.0716	.0114	.0179
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.02693	0.1863	0.4439	0.4214
Observations	311	311	311	287
nel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00634***	0.00409***	0.00326***	0.00341**
Change in kms of railroads 1986-1970	0.00634*** (0.00144)	0.00409*** (0.00136)	0.00326*** (0.00122)	
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970				0.00341** (0.00125) 0.000167
	(0.00144)	(0.00136)	(0.00122)	(0.00125)
Change in kms of paved and gravel roads 1986-1970	(0.00144) 0.000616**	(0.00136) 0.000321	(0.00122) 0.000176	(0.00125) 0.000167
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	(0.00144) 0.000616**	(0.00136) 0.000321	(0.00122) 0.000176	(0.00125) 0.000167 (0.000314
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	(0.00144) 0.000616**	(0.00136) 0.000321	(0.00122) 0.000176	(0.00125) 0.000167 (0.000314) 0.0192
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta2>=\beta1$ Cragg-Donald (multivariate) F-stat	(0.00144) 0.000616** (0.000259)	(0.00136) 0.000321 (0.000333)	(0.00122) 0.000176 (0.000310)	(0.00125 0.000167 (0.000314 0.0192 (0.0184) .0016
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta2>=\beta1$	(0.00144) 0.000616** (0.000259)	(0.00136) 0.000321 (0.000333)	(0.00122) 0.000176 (0.000310) .0019	(0.00125 0.000167 (0.000314 0.0192 (0.0184)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta 2 >= \beta 1$ Cragg-Donald (multivariate) F-stat	(0.00144) 0.000616** (0.000259) 0 25.2128	(0.00136) 0.000321 (0.000333) .0009 18.1634	(0.00122) 0.000176 (0.000310) .0019 19.0977	(0.00125 0.000167 (0.000314 0.0192 (0.0184) .0016 17.7862

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 34: Change in log unpaid workers 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000435	-0.000152	-0.000389	-0.0000825
	(0.000898)	(0.000899)	(0.000900)	(0.000886)
Change in kms of paved and gravel roads 1986-1970	-0.000582***	-0.000508**	-0.000784***	-0.000686*
	(0.000191)	(0.000242)	(0.000263)	(0.000266)
Log urban population 1960				0.145***
				(0.0343)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.121	.3457	.3278	.2454
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03495	0.08313	0.2754	0.3291
Observations	305	305	305	282
nel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00418*	0.00149	0.00503**	0.00574**
	(0.00233)	(0.00246)	(0.00250)	(0.00247)
Change in kms of paved and gravel roads 1986-1970	-0.000458	-0.000662	-0.000188	-0.000115
	(0.000419)	(0.000595)	(0.000642)	(0.000632
Log urban population 1960				0.148***
•				(0.0372)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0133	.1608	.0088	.0035
Cragg-Donald (multivariate) F-stat	23.8628	17.5334	19.6029	18.705
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	305	305	304	281

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

1.3.7 Employment status shares

Table 35: Change in share of unemployed 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0000184	0.00000341	-0.00000726	-0.0000100
	(0.0000155)	(0.0000145)	(0.0000146)	(0.0000146)
Change in kms of paved and gravel roads 1986-1970	-0.00000624*	-0.000000674	-0.00000570	-0.00000683
	(0.00000329)	(0.00000388)	(0.00000427)	(0.00000442)
Log urban population 1960				0.00195***
0				(0.000572)
P-value for testing $\beta_2 >= \beta_1$.0503	.389	.543	.58710000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.02083	0.1897	0.3392	0.3884
Observations	311	311	311	287

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0000998**	0.0000406	0.0000765*	0.0000874**
	(0.0000404)	(0.0000395)	(0.0000415)	(0.0000425)
Change in kms of paved and gravel roads 1986-1970	0.00000196	0.00000654	0.00000855	0.00000815
	(0.00000724)	(0.00000964)	(0.0000105)	(0.0000107)
Log urban population 1960				0.00196***
· · ·				(0.000625)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.0036	.165	.0307	.0169
Cragg-Donald (multivariate) F-stat	25.2128	18.1634	19.0977	17.7862
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

 $[\]begin{array}{c} {\rm Standard\ errors\ in\ parentheses} \\ {}^*\ p < 0.10,\ {}^{**}\ p < 0.05,\ {}^{***}\ p < 0.01 \\ \end{array}$

Table 36: Change in share of inactive 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Cl. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0000420	0.000000	1 0 00000	FOF 0 00000040 F
Change in kms of railroads 1986-1970	-0.0000422	0.000008		
	(0.0000837)	(0.000081	.9) (0.00008	803) (0.0000676)
Change in kms of paved and gravel roads 1986-197	70 -0.0000344*	-0.000006	76 -0.00000	0517 -0.0000213
	(0.0000177)	(0.000021	.9) (0.00002	(0.0000204)
Log urban population 1960				0.00267
O P.P				(0.00264)
P-value for testing $\beta_{-2} >= \beta_{-1}$.5387000000000000	.4276	.4475	5 .3722
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01203	0.1053	0.312	0.3477
Observations	311	311	311	287
anel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.000273	0.0000823	0.0000148	-0.0000593
	(0.000212)	(0.000223)	(0.000214)	(0.000181)
Change in kms of paved and gravel roads 1986-1970	-0.0000204 (0.0000379)	$0.0000614 \\ (0.0000545)$	0.0000167 (0.0000543)	-0.000000396 (0.0000454)
Log urban population 1960				0.00255 (0.00266)
P-value for testing $\beta_{-2} >= \beta_{-1}$.90780000000000001	.4579	.5041	.64470000000000001
Cragg-Donald (multivariate) F-stat	25.2128	18.1634	19.0977	17.7862
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

1.3.8 Migration

Table 37: Change in log number of people that live in the province they were born 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00183**	0.000620	-0.000403	-0.000319
-	(0.000858)	(0.000756)	(0.000661)	(0.000614)
Change in kms of paved and gravel roads 1986-1970	0.000532***	0.000379*	-0.0000203	0.0000503
	(0.000182)	(0.000202)	(0.000193)	(0.000185)
Log urban population 1960				0.141***
				(0.0240)
P-value for testing $\beta_2 >= \beta_1$.0594	.3747	.7216	.7284
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03340	0.2897	0.5649	0.6411
Observations	311	311	311	287
nel B: IV				
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0111***	0.00494**	0.00318*	0.00412**
	(0.00253)	(0.00217)	(0.00186)	(0.00180)
Change in kms of paved and gravel roads 1986-1970	0.00155***	0.00121**	0.000543	0.000647
	(0.000454)	(0.000530)	(0.000472)	(0.000453
Log urban population 1960				0.142***
~				(0.0265)
P-value for testing $\beta_{-2} >= \beta_{-1}$	0	.0262	.0529	.0142
Cragg-Donald (multivariate) F-stat	25.2128	18.1634	19.0977	17.7862
Geographic controls	No	Yes	Yes	Yes
n				

No

311

No

311

 ${\rm Yes}$

311

Yes

287

Standard errors in parentheses

Province FE

Observations

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

1.3.9 Education levels

Table 38: Change in log number of people with at least secondary education completed 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00188**	0.00116*	0.000882	0.000859
	(0.000736)	(0.000672)	(0.000665)	(0.000648)
Change in kms of paved and gravel roads 1986-1970	0.000535***	0.000248	-0.000249	-0.000358*
	(0.000156)	(0.000181)	(0.000194)	(0.000196)
Log urban population 1960				-0.0632**
				(0.0254)
P-value for testing $\beta_2 >= \beta_1$.0295	.0879	.0422	.0288
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.04663	0.2450	0.4081	0.4306
Observations	306	306	306	285
nel B: IV	(1)	(2)	(3)	(4)
	. ,			
Change in kms of railroads 1986-1970	0.00709***	0.00242	0.00271	0.00218
	(0.00198)	(0.00183)	(0.00179)	(0.00174)
Change in kms of paved and gravel roads 1986-1970	0.000849**	0.0000329	-0.000203	-0.000273
	(0.000353)	(0.000444)	(0.000456)	(0.000437)
Log urban population 1960				-0.0626**
				(0.0256)
P-value for testing $\beta_{-}2 >= \beta_{-}1$.0002	.0702	.0316	.054
Cragg-Donald (multivariate) F-stat	24.7914	17.9252	18.8033	17.664
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	306	306	306	285

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 39: Change in log number of people with at least college education completed 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000935	0.000525	0.000726	0.000622
	(0.00101)	(0.00102)	(0.000985)	(0.000937)
Change in kms of paved and gravel roads 1986-1970	0.000380*	0.000362	0.000251	0.000187
	(0.000229)	(0.000288)	(0.000307)	(0.000294)
Log urban population 1960				0.129***
208 aroun population 1000				(0.0385)
P-value for testing $\beta_{-2} >= \beta_{-1}$.2828	.4363	.3136	.3192
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01207	0.06404	0.3156	0.3435
Observations	245	245	245	237
anel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00964***	0.00843**	0.00692**	0.00682**
	(0.00314)	(0.00332)	(0.00279)	(0.00276)
Change in kms of paved and gravel roads 1986-1970	0.00180***	0.00205**	0.00190**	0.00149^*
	(0.000655)	(0.000969)	(0.000887)	(0.000819)
Log urban population 1960				0.116***
				(0.0438)
P-value for testing $\beta_{-2} >= \beta_{-1}$.0016	.0089	.0147	.0096
Cragg-Donald (multivariate) F-stat	14.8301	10.1996	13.3693	12.5197
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	245	245	244	236

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

1.3.10 Education shares

Table 40: Change in share of people with at least secondary education completed 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
	()	()	(-)	()
Change in kms of railroads 1986-1970	0.00000332	-0.0000264	0.00000628	0.0000108
Ü	(0.0000474)	(0.0000469)	(0.0000421)	(0.0000383)
Change in kms of paved and gravel roads 1986-1970	-0.0000101	0.00000165	-0.0000208*	-0.0000273**
	(0.0000100)	(0.0000125)	(0.0000123)	(0.0000116)
Log urban population 1960				0.0125***
• • •				(0.00149)
P-value for testing $\beta_{-2} >= \beta_{-1}$.3848	.7257	.257	.1574
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.003645	0.07626	0.4026	0.5073
Observations	311	311	311	287
nel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000139	0.0000187	-0.0000914	-0.0000193
	(0.000120)	(0.000127)	(0.000114)	(0.000103)
Change in kms of paved and gravel roads 1986-1970	0.00000880	0.0000235	-0.0000459	-0.0000529**
	(0.0000215)	(0.0000309)	(0.0000289)	(0.0000258)
Log urban population 1960				0.0125***
				(0.00151)
P-value for testing $\beta_{-2} >= \beta_{-1}$.1141	.517	.6763	.3548
Cragg-Donald (multivariate) F-stat	25.2128	18.1634	19.0977	17.7862
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

Table 41: Change in share of people with at least college education completed 1991-1970

Panel	1 1	\cap T	C
Pane	A: 1		,,,

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00000713	-0.00000106	0.00000428	0.00000616
	(0.0000113)	(0.0000112)	(0.0000111)	(0.0000103)
Change in kms of paved and gravel roads 1986-1970	-0.00000107	0.00000137	-0.00000198	-0.00000169
	(0.00000239)	(0.00000299)	(0.00000323)	(0.00000309)
Log urban population 1960				0.00311*** (0.000401)
P-value for testing $\beta_{-2} >= \beta_{-1}$.2268	.58610000000000001	.2834	.2196
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.002552	0.07337	0.2717	0.4258
Observations	311	311	311	287
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	(1) 0.0000666**	, ,	(3)	(4) 0.0000466*
Change in kms of railroads 1986-1970		0.0000338	, ,	
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970	0.0000666** (0.0000295)	0.0000338 (0.0000308)	0.0000308	0.0000466*
	0.0000666** (0.0000295)	0.0000338 (0.0000308) 0.0000105	0.0000308 (0.0000298)	0.0000466* (0.0000281)
	0.0000666** (0.0000295) 0.00000718	0.0000338 (0.0000308) 0.0000105	0.0000308 (0.0000298) 0.00000101	0.0000466* (0.0000281) -0.000000253
Change in kms of paved and gravel roads 1986-1970	0.0000666** (0.0000295) 0.00000718	0.0000338 (0.0000308) 0.0000105	0.0000308 (0.0000298) 0.00000101	0.0000466* (0.0000281) -0.000000253 (0.00000705)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960	0.0000666** (0.0000295) 0.00000718	0.0000338 (0.0000308) 0.0000105	0.0000308 (0.0000298) 0.00000101	0.0000466* (0.0000281) -0.000000253 (0.00000705) 0.00313***
Change in kms of paved and gravel roads 1986-1970	0.0000666** (0.0000295) 0 0.00000718 (0.00000529	0.0000338 (0.0000308) 0.0000105 (0.00000753)	0.0000308 (0.0000298) 0.00000101 (0.00000757)	0.0000466* (0.0000281) -0.000000253 (0.00000705) 0.00313*** (0.000413)
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta 2 = \beta 1$ Cragg-Donald (multivariate) F-stat	0.0000666** (0.0000295) 0 0.00000718 (0.00000529	0.0000338 (0.0000308) 0.0000105 (0.00000753)	0.0000308 (0.0000298) 0.00000101 (0.00000757)	0.0000466* (0.0000281) -0.000000253 (0.00000705) 0.00313*** (0.000413) .0289
Change in kms of paved and gravel roads 1986-1970 Log urban population 1960 P-value for testing $\beta 2 = \beta 1$	0.0000666** (0.0000295) 0 0.00000718 (0.00000529 .0127 25.2128	0.0000338 (0.0000308) 0.0000105 (0.00000753) 0.1969 18.1634	0.0000308 (0.0000298) 0.00000101 (0.00000757) .1268 19.0977	0.0000466* (0.0000281) -0.000000253 (0.00000705) 0.00313*** (0.000413) .0289 17.7862

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

1.4 Complements or substitutes? (exploratory)

Table 42: Change in log population 1991-1960

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00343***	0.00200***	0.00155***	0.00130***
	(0.000633)	(0.000578)	(0.000563)	(0.000495)
Change in kms of paved and gravel roads 1986-1954	0.0000362	-0.0000571	-0.000244	-0.000345*
	(0.000155)	(0.000170)	(0.000183)	(0.000171
Change in kms of paved and gravel roads 1986-1954 \times Change in kms of railroads 1986-1960	-0.00000163	-0.000000494	-0.000000831	-0.0000011
	(0.00000107)	(0.000000975)	(0.000000987)	(0.00000088
Log urban population 1960				-0.0887**
				(0.0211)
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.09416	0.3610	0.5004	0.5190
Observations	311	311	311	287
	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00670***	0.00336***	0.00406***	0.00343**
	(0.00127)	(0.00120)	(0.00120)	(0.00104
Change in kms of paved and gravel roads 1986-1954	-0.000244	-0.0000296	-0.000315	-0.00042
	(0.000437)	(0.000296)	(0.000301)	(0.000264
Change in kms of paved and gravel roads 1986-1954 \times Change in kms of railroads 1986-1960	-0.00000551	0.000000952	-0.00000342	-0.0000042
	(0.00000406)	(0.00000250)	(0.00000248)	(0.0000021
Log urban population 1960				-0.0842**
				(0.0222)
F-stat first stage	7.8786	17.0621	16.2917	15.8049
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	211	211	211	287

Standard errors in parentheses * p < 0.10, *** p < 0.05, *** p < 0.01

Table 43: Change in log urban population 1991-1960

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00182***	0.000598	0.000441	0.000242
	(0.000638)	(0.000612)	(0.000625)	(0.000596)
Change in kms of paved and gravel roads 1986-1954	0.0000416	-0.0000406	-0.000195	-0.000195
	(0.000177)	(0.000196)	(0.000217)	(0.000206)
Change in kms of paved and gravel roads $1986-1954 \times \text{Change}$ in kms of railroads $1986-196$	60 -0.00000125	-0.000000288	-0.000000845	-0.000000789
	(0.00000112)	(0.00000107)	(0.00000113)	(0.00000107)
og urban population 1960				-0.133***
				(0.0255)
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.02930	0.2457	0.3543	0.4174
Observations	286	286	286	286
nel B: IV				
nel B: IV	(1)	(2)	(3)	(4)
nel B: IV Change in kms of railroads 1986-1960	(1) 0.00536***	(2) 0.00288**	(3) 0.00335**	(4) 0.00295**
			* *	
	0.00536*** (0.00126) 0.0000446	0.00288** (0.00125) 0.000126	0.00335** (0.00131) -0.000154	0.00295** (0.00126) -0.000279
Change in kms of railroads 1986-1960	0.00536*** (0.00126)	0.00288** (0.00125)	0.00335** (0.00131)	0.00295** (0.00126)
Change in kms of railroads 1986-1960	0.00536*** (0.00126) 0.0000446 (0.000429) -0.00000472	0.00288** (0.00125) 0.000126 (0.000317) -0.00000104	0.00335** (0.00131) -0.000154 (0.000335) -0.00000394	0.00295** (0.00126) -0.000279 (0.000319) -0.00000481*
Change in kms of railroads 1986-1960 Change in kms of paved and gravel roads 1986-1954	0.00536*** (0.00126) 0.0000446 (0.000429)	0.00288** (0.00125) 0.000126 (0.000317)	0.00335** (0.00131) -0.000154 (0.000335)	0.00295** (0.00126) -0.000279 (0.000319)
Change in kms of railroads 1986-1960 Change in kms of paved and gravel roads 1986-1954	0.00536*** (0.00126) 0.0000446 (0.000429) -0.00000472	0.00288** (0.00125) 0.000126 (0.000317) -0.00000104	0.00335** (0.00131) -0.000154 (0.000335) -0.00000394	0.00295** (0.00126) -0.000279 (0.000319) -0.00000481* (0.00000260) -0.128***
Change in kms of railroads 1986-1960 Change in kms of paved and gravel roads 1986-1954 Change in kms of paved and gravel roads $1986-1954 \times \text{Change}$ in kms of railroads $1986-1960 \times \text{Change}$ og urban population $1960 \times \text{Change}$	0.00536*** (0.00126) 0.0000446 (0.000429) -0.00000472 (0.00000390)	0.00288** (0.00125) 0.000126 (0.000317) -0.00000104 (0.0000269)	0.00335** (0.00131) -0.000154 (0.000335) -0.00000394 (0.00000273)	0.00295*** (0.00126) -0.000279 (0.000319) -0.0000481* (0.00000260) -0.128*** (0.0270)
Change in kms of railroads 1986-1960 Change in kms of paved and gravel roads 1986-1954 Change in kms of paved and gravel roads 1986-1954 × Change in kms of railroads 1986-1960 cog urban population 1960 Stat first stage	0.00536*** (0.00126) 0.0000446 (0.000429) -0.00000472 (0.00000390) 8.930900000000000	0.00288** (0.00125) 0.000126 (0.000317) -0.00000104 (0.00000269)	0.00335** (0.00131) -0.000154 (0.000335) -0.00000394 (0.00000273)	0.00295** (0.00126) -0.000279 (0.000319) -0.0000481* (0.0000260) -0.128*** (0.0270) 15.7466
Change in kms of railroads 1986-1960 Change in kms of paved and gravel roads 1986-1954 Change in kms of paved and gravel roads 1986-1954 × Change in kms of railroads 1986-1960 cog urban population 1960 C-stat first stage deographic controls	0.00536*** (0.00126) 0.0000446 (0.000429) -0.00000472 (0.00000390) 8.9309000000000001 No	0.00288** (0.00125) 0.000126 (0.000317) -0.00000104 (0.0000269) 15.4207 Yes	0.00335** (0.00131) -0.000154 (0.000335) -0.0000394 (0.0000273) 15.6859 Yes	0.00295** (0.00126) -0.000279 (0.000319) -0.0000481* (0.0000260) -0.128*** (0.0270) 15.7466 Yes
Change in kms of railroads 1986-1960 Change in kms of paved and gravel roads 1986-1954 Change in kms of paved and gravel roads 1986-1954 × Change in kms of railroads 1986-1960 cog urban population 1960 Stat first stage	0.00536*** (0.00126) 0.0000446 (0.000429) -0.00000472 (0.00000390) 8.930900000000000	0.00288** (0.00125) 0.000126 (0.000317) -0.00000104 (0.00000269)	0.00335** (0.00131) -0.000154 (0.000335) -0.00000394 (0.00000273)	0.00295*** (0.00126) -0.000279 (0.000319) -0.00000481* (0.00000260) -0.128*** (0.0270) 15.7466

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01

Table 44: Change in log primary sector labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00762**	0.000594	0.00249	0.00135
	(0.00320)	(0.00260)	(0.00245)	(0.00183)
Change in kms of paved and gravel roads 1986-1970	-0.00176***	0.000239	-0.00132**	-0.00125**
	(0.000593)	(0.000582)	(0.000630)	(0.000504)
Change in kms of paved and gravel roads 1986-1970 $ imes$ Change in kms of railroads 1986-1970	-0.0000154**	-0.000000271	-0.00000717	-0.00000375
	(0.00000783)	(0.00000626)	(0.00000610)	(0.00000468)
Log urban population 1960				0.749*** (0.0506)
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.04112	0.4356	0.6008	0.7918
	311	311	311	287
Observations unel B: IV				
	(1)	(2)	(3)	(4)
nel B: IV	(1)	(2)	(3)	(4)
nel B: IV	(1) 0.0273***	(2) 0.0209**	(3) 0.0227**	(4) 0.0222***
change in kms of railroads 1986-1970	(1) 0.0273*** (0.0102)	(2) 0.0209** (0.00875)	(3) 0.0227** (0.00951)	(4) 0.0222*** (0.00741)
change in kms of railroads 1986-1970	(1) 0.0273*** (0.0102) -0.00263	(2) 0.0209** (0.00875) -0.00225	(3) 0.0227** (0.00951) -0.00462*	(4) 0.0222*** (0.00741) -0.00284
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970	(1) 0.0273*** (0.0102) -0.00263 (0.00332)	(2) 0.0209** (0.00875) -0.00225 (0.00218)	(3) 0.0227** (0.00951) -0.00462* (0.00238)	(4) 0.0222*** (0.00741) -0.00284 (0.00196) -0.0000486**
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970	(1) 0.0273*** (0.0102) -0.00263 (0.00332) -0.0000534	(2) 0.0209** (0.00875) -0.00225 (0.00218) -0.0000617**	(3) 0.0227** (0.00951) -0.00462* (0.00238) -0.0000710**	(4) 0.0222*** (0.00741) -0.00284 (0.00196)
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970 Log urban population 1960	(1) 0.0273*** (0.0102) -0.00263 (0.00332) -0.0000534 (0.0000498)	(2) 0.0209** (0.00875) -0.00225 (0.00218) -0.0000617** (0.0000277)	(3) 0.0227** (0.00951) -0.00462* (0.00238) -0.0000710** (0.0000300)	(4) 0.0222*** (0.00741) -0.00284 (0.00196) -0.0000486** (0.0000243) 0.729*** (0.0640)
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970	(1) 0.0273*** (0.0102) -0.00263 (0.00332) -0.0000534	(2) 0.0209** (0.00875) -0.00225 (0.00218) -0.0000617**	(3) 0.0227** (0.00951) -0.00462* (0.00238) -0.0000710**	(4) 0.0222*** (0.00741) -0.00284 (0.00196) -0.0000486* (0.0000243) 0.729***
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970 Log urban population 1960 F-stat first stage Geographic controls	(1) 0.0273*** (0.0102) -0.00263 (0.00332) -0.0000534 (0.0000498) 2.3319 No	(2) 0.0209** (0.00875) -0.00225 (0.00218) -0.0000617** (0.0000277) 6.6961 Yes	(3) 0.0227** (0.00951) -0.00462* (0.00238) -0.0000710** (0.0000300) 5.7249 Yes	(4) 0.0222*** (0.00741) -0.00284 (0.00196) -0.0000486** (0.0000243) 0.729*** (0.0640) 5.1662 Yes
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970 Log urban population 1960 F-stat first stage	(1) 0.0273*** (0.0102) -0.00263 (0.00332) -0.0000534 (0.0000498)	(2) 0.0209** (0.00875) -0.00225 (0.00218) -0.0000617** (0.0000277)	(3) 0.0227** (0.00951) -0.00462* (0.00238) -0.0000710** (0.0000300)	(4) 0.0222*** (0.00741) -0.00284 (0.00196) -0.0000486* (0.0000243) 0.729*** (0.0640) 5.1662

 $[\]begin{array}{l} {\rm Standard\ errors\ in\ parentheses} \\ {*\ p < 0.10,\ ^{**}\ p < 0.05,\ ^{***}\ p < 0.01} \end{array}$

Table 45: Change in log secondary sector labor 1991-1970

Panel A: OLS

Change in kms of railroads 1986-1970	0.00239*	0.000374	0.0000656	-0.0000667
0 · · · ·	(0.00137)	(0.00134)	(0.00120)	(0.00112)
Change in kms of paved and gravel roads 1986-1970	0.000785***	0.000710**	0.000128	0.000259
	(0.000255)	(0.000300)	(0.000309)	(0.000308)
Change in kms of paved and gravel roads 1986-1970 $ imes$ Change in kms of railroads 1986-1970	-0.00000125	0.00000204	-0.00000138	-0.0000010
	(0.00000336)	(0.00000323)	(0.00000299)	(0.00000286
Log urban population 1960				0.00893
				(0.0309)
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.05194	0.1965	0.4851	0.5253
Observations	311	311	311	287
nel B: IV	(1)	(2)	(3)	(4)
anel B: IV	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	(1)	(2)	(3)	(4)
			. ,	0.00299
	0.00930*	0.00346	0.00264	
Change in kms of railroads 1986-1970	0.00930* (0.00525)	0.00346 (0.00452)	0.00264 (0.00412)	0.00299 (0.00380) 0.00113
Change in kms of railroads 1986-1970	0.00930* (0.00525) 0.00311* (0.00171)	0.00346 (0.00452) 0.00299***	0.00264 (0.00412) 0.00117	0.00299 (0.00380)
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970	0.00930* (0.00525) 0.00311* (0.00171)	0.00346 (0.00452) 0.00299*** (0.00113) 0.0000155	0.00264 (0.00412) 0.00117 (0.00103)	0.00299 (0.00380) 0.00113 (0.00101)
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970	0.00930* (0.00525) 0.00311* (0.00171) 0 0.0000166	0.00346 (0.00452) 0.00299*** (0.00113) 0.0000155	0.00264 (0.00412) 0.00117 (0.00103) 0.00000195	0.00299 (0.00380) 0.00113 (0.00101) 6.08e-08
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970	0.00930* (0.00525) 0.00311* (0.00171) 0 0.0000166	0.00346 (0.00452) 0.00299*** (0.00113) 0.0000155	0.00264 (0.00412) 0.00117 (0.00103) 0.00000195	0.00299 (0.00380 0.00113 (0.00101 6.08e-08 (0.000012
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970	0.00930* (0.00525) 0.00311* (0.00171) 0 0.0000166	0.00346 (0.00452) 0.00299*** (0.00113) 0.0000155	0.00264 (0.00412) 0.00117 (0.00103) 0.00000195	0.00299 (0.00380 0.00113 (0.00101 6.08e-08 (0.000012
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970 Log urban population 1960	0.00930* (0.00525) 0.00311* (0.00171) 0 0.0000166 (0.0000257)	0.00346 (0.00452) 0.00299*** (0.00113) 0.0000155 (0.0000143)	0.00264 (0.00412) 0.00117 (0.00103) 0.00000195 (0.0000130)	0.00299 (0.00380 0.00113 (0.00101 6.08e-08 (0.000012 0.00884 (0.0329)
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970 Log urban population 1960 F-stat first stage	0.00930* (0.00525) 0.00311* (0.00171) 0.0000166 (0.0000257) 2.3319	0.00346 (0.00452) 0.00299*** (0.00113) 0.0000155 (0.0000143)	0.00264 (0.00412) 0.00117 (0.00103) 0.00000195 (0.0000130)	0.00299 (0.00380 0.00113 (0.00101 6.08e-08 (0.000012 0.00884 (0.0329) 5.1662

^{*} p < 0.10, ** p < 0.05, *** p < 0.01

Table 46: Change in log tertiary sector labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00341**	0.000770	0.000300	-0.0000806
	(0.00132)	(0.00115)	(0.00109)	(0.00101)
Change in kms of paved and gravel roads 1986-1970	0.000564**	0.000328	-0.0000919	0.000118
•	(0.000244)	(0.000257)	(0.000279)	(0.000278)
Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970	-0.00000350	0.000000749	-0.00000132	-8.30e-08
	(0.00000323)	(0.00000277)	(0.00000270)	(0.00000259)
Log urban population 1960				0.0265
				(0.0279)
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
	0.05020	0.3572	0.5434	0.5725
R-squared				
A-squared Observations anel B: IV	311	311	311	287
Observations	(1)	(2)	(3)	(4)
Observations			-	
Observations anel B: IV	(1)	(2)	(3)	(4)
Observations Anel B: IV Change in kms of railroads 1986-1970	(1)	(2)	(3)	(4) 0.00898**
Observations anel B: IV	(1) 0.0166*** (0.00460)	(2) 0.00576 (0.00363)	(3) 0.00830** (0.00391)	(4) 0.00898** (0.00381)
Observations Anel B: IV Change in kms of railroads 1986-1970	(1) 0.0166*** (0.00460) 0.000630 (0.00150)	(2) 0.00576 (0.00363) 0.00120	(3) 0.00830** (0.00391) -0.000602	(4) 0.00898** (0.00381) -0.000670
Observations Anel B: IV Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970	(1) 0.0166*** (0.00460) 0.000630 (0.00150)	(2) 0.00576 (0.00363) 0.00120 (0.000904) 0.00000197	(3) 0.00830** (0.00391) -0.000602 (0.000979)	(4) 0.00898** (0.00381) -0.000670 (0.00101)
Observations Anel B: IV Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970	(1) 0.0166*** (0.00460) 0.000630 (0.00150) 0 -0.0000200	(2) 0.00576 (0.00363) 0.00120 (0.000904) 0.00000197	(3) 0.00830** (0.00391) -0.000602 (0.000979) -0.0000177	(4) 0.00898** (0.00381) -0.000670 (0.00101) -0.0000204
Observations Anel B: IV Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970 Log urban population 1960	(1) 0.0166*** (0.00460) 0.000630 (0.00150) 0 -0.0000200 (0.0000225)	(2) 0.00576 (0.00363) 0.00120 (0.000904) 0.00000197 (0.0000115)	(3) 0.00830** (0.00391) -0.000602 (0.000979) -0.0000177 (0.0000123)	(4) 0.00898** (0.00381) -0.000670 (0.00101) -0.0000204 (0.0000125) 0.0174 (0.0330)
Observations Anel B: IV Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970 Log urban population 1960 F-stat first stage	(1) 0.0166*** (0.00460) 0.000630 (0.00150) 0 -0.0000200	(2) 0.00576 (0.00363) 0.00120 (0.000904) 0.00000197	(3) 0.00830** (0.00391) -0.000602 (0.000979) -0.0000177	(4) 0.00898** (0.00381) -0.000670 (0.00101) -0.0000204 (0.0000125) 0.0174
Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970 Log urban population 1960 F-stat first stage Geographic controls	(1) 0.0166*** (0.00460) 0.000630 (0.00150) 0 -0.0000200 (0.0000225)	(2) 0.00576 (0.00363) 0.00120 (0.000904) 0.00000197 (0.0000115)	(3) 0.00830** (0.00391) -0.000602 (0.000979) -0.0000177 (0.0000123)	(4) 0.00898** (0.00381) -0.000670 (0.00101) -0.0000204 (0.0000125) 0.0174 (0.0330)
Observations Anel B: IV Change in kms of railroads 1986-1970 Change in kms of paved and gravel roads 1986-1970 Change in kms of paved and gravel roads 1986-1970 × Change in kms of railroads 1986-1970 Log urban population 1960 F-stat first stage	(1) 0.0166*** (0.00460) 0.000630 (0.00150) 0 -0.0000200 (0.0000225)	(2) 0.00576 (0.00363) 0.00120 (0.000904) 0.00000197 (0.0000115)	(3) 0.00830*** (0.00391) -0.000602 (0.000979) -0.0000177 (0.0000123)	(4) 0.00898*** (0.00381) -0.000670 (0.00101) -0.0000204 (0.0000125) 0.0174 (0.0330) 5.1662

Standard errors in parentheses * p < 0.10, ** p < 0.05, *** p < 0.01