

1 Results

1.1 Baseline 1960

1.1.1 Population outcomes

Table 1: Change in log population 1991-1960

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00292*** (0.000538)	0.00183*** (0.000475)	0.00129*** (0.000470)	0.000879** (0.000431)
Change in kms of paved and gravel roads 1986-1954	0.000176 (0.000125)	-0.00000212 (0.000131)	-0.000141 (0.000136)	-0.0000607 (0.000124)
Log population 1960				-0.188*** (0.0244)
P-value for testing $\beta_2 \geq \beta_1$	0	0	.0009	.0128
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.08736	0.3605	0.4991	0.5867
Observations	311	311	311	311

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00621*** (0.00107)	0.00347*** (0.000999)	0.00366*** (0.000999)	0.00293*** (0.000922)
Change in kms of paved and gravel roads 1986-1954	0.000337 (0.000222)	-0.000150 (0.000244)	0.000118 (0.000245)	0.000227 (0.000222)
Log population 1960				-0.177*** (0.0261)
P-value for testing $\beta_2 \geq \beta_1$	0	0	0	.0006
F-stat first stage	51.496	37.8878	39.8302	39.1386
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	311

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 2: **Change in log urban population 1991-1960**

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00145*** (0.000547)	0.000505 (0.000506)	0.000187 (0.000525)	0.00000446 (0.000501)
Change in kms of paved and gravel roads 1986-1954	0.000168 (0.000136)	-0.00000490 (0.000145)	-0.0000821 (0.000155)	-0.0000888 (0.000148)
Log urban population 1960				-0.134*** (0.0254)
P-value for testing $\beta_2 \geq \beta_1$	.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

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00500*** (0.00110)	0.00277*** (0.00107)	0.00298*** (0.00114)	0.00251** (0.00109)
Change in kms of paved and gravel roads 1986-1954	0.000549** (0.000224)	0.000251 (0.000245)	0.000344 (0.000270)	0.000330 (0.000256)
Log urban population 1960				-0.125*** (0.0270)
P-value for testing $\beta_2 \geq \beta_1$	0	.0043	.0049	.013
F-stat first stage	51.5397	39.1534	36.3194	35.66090000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	286	286	286	286

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 3: Change in share of urban population 1991-1960

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	-0.000257 (0.000202)	-0.000330 (0.000211)	-0.000294 (0.000209)	-0.000183 (0.000146)
Change in kms of paved and gravel roads 1986-1954	0.0000360 (0.0000469)	0.00000282 (0.0000582)	0.0000607 (0.0000604)	-0.0000478 (0.0000427)
Share of urban population 1960				-0.532*** (0.0310)
P-value for testing $\beta_2 \geq \beta_1$	.9335	.9459000000000001	.9595	.8279000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.009331	0.02141	0.2367	0.6284
Observations	311	311	311	311

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	-0.0000301 (0.000379)	-0.000191 (0.000435)	-0.000237 (0.000426)	-0.000121 (0.000297)
Change in kms of paved and gravel roads 1986-1954	0.0000500 (0.0000789)	0.0000128 (0.000106)	-0.00000704 (0.000104)	-0.0000583 (0.0000733)
Share of urban population 1960				-0.535*** (0.0315)
P-value for testing $\beta_2 \geq \beta_1$	.5925	.7004	.7267	.5923
F-stat first stage	51.496	37.8878	39.8302	39.7436
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	311

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

1.2 Baseline 1970

1.2.1 Population outcomes

Table 4: Change in log population 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00164*** (0.000434)	0.00118*** (0.000402)	0.000924** (0.000375)	0.000932** (0.000377)
Change in kms of paved and gravel roads 1986-1970	0.0000745 (0.0000921)	0.00000622 (0.000108)	-0.000219** (0.000109)	-0.000224** (0.000110)
Log population 1970				0.00721 (0.0193)
P-value for testing $\beta_2 \geq \beta_1$	.0001	.0017	.001	.0009
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.04436	0.2238	0.4595	0.4598
Observations	311	311	311	311

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00660*** (0.00130)	0.00438*** (0.00119)	0.00389*** (0.00111)	0.00394*** (0.00112)
Change in kms of paved and gravel roads 1986-1970	0.000551** (0.000233)	0.000346 (0.000291)	0.000211 (0.000283)	0.000200 (0.000287)
Log population 1970				0.0109 (0.0220)
P-value for testing $\beta_2 \geq \beta_1$	0	.0001	.0001	.0001
F-stat first stage	25.2128	18.1634	19.0977	19.075
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	311

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

1.2.2 Labor levels by sector of activity

Table 5: Change in log agricultural labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00149* (0.000869)	0.000458 (0.000809)	-0.000362 (0.000801)	-0.000582 (0.000784)
Change in kms of paved and gravel roads 1986-1970	0.000614*** (0.000184)	0.000497** (0.000216)	0.000149 (0.000234)	0.000418* (0.000239)
Log agricultural labor 1970				-0.192*** (0.0504)
P-value for testing $\beta_2 \geq \beta_1$	.1481	.5195000000000001	.7413000000000001	.8996000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03744	0.2092	0.3800	0.4107
Observations	311	311	311	311

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00928*** (0.00244)	0.00406* (0.00225)	0.00378* (0.00225)	0.00188 (0.00206)
Change in kms of paved and gravel roads 1986-1970	0.00136*** (0.000437)	0.000970* (0.000549)	0.000914 (0.000571)	0.00109* (0.000565)
Log agricultural labor 1970				-0.217*** (0.0592)
P-value for testing $\beta_2 \geq \beta_1$	.0002	.061	.073	.3343
F-stat first stage	25.2128	18.1634	19.0977	21.1902
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	311

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 6: Change in log mining labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00370 (0.00364)	0.00237 (0.00383)	-0.000903 (0.00430)	-0.00496 (0.00401)
Change in kms of paved and gravel roads 1986-1970	0.00157*** (0.000515)	0.00162*** (0.000609)	0.000959 (0.000740)	0.000577 (0.000676)
Log mining labor 1970				-0.540*** (0.126)
P-value for testing $\beta_2 \geq \beta_1$	.2702	.4207	.6728000000000001	.9241
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.08207	0.1245	0.3782	0.4960
Observations	107	107	107	107

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.173 (0.450)	0.751 (11.75)	0.0140 (0.0291)	0.0126 (0.0282)
Change in kms of paved and gravel roads 1986-1970	0.0127 (0.0323)	0.0401 (0.625)	0.00159 (0.00221)	0.00112 (0.00229)
Log mining labor 1970				-0.415 (0.255)
P-value for testing $\beta_2 \geq \beta_1$	.3509	.4745	.324	.3311
F-stat first stage	.0712	.0019	1.0203	1.0022
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	107	107	105	105

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 7: **Change in log manufacturing labor 1991-1970**

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00132 (0.00115)	0.000472 (0.00110)	-0.000665 (0.00101)	-0.000785 (0.000972)
Change in kms of paved and gravel roads 1986-1970	0.000777*** (0.000249)	0.000212 (0.000302)	0.0000493 (0.000304)	0.000105 (0.000294)
Log manufacturing labor 1970				-0.158*** (0.0334)
P-value for testing $\beta_2 \geq \beta_1$	.3123	.4064	.7642	.8239000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03162	0.1640	0.4370	0.4792
Observations	306	306	306	306

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0118*** (0.00331)	0.00669** (0.00317)	0.00357 (0.00282)	0.00256 (0.00270)
Change in kms of paved and gravel roads 1986-1970	0.00212*** (0.000637)	0.00132 (0.000943)	0.00110 (0.000883)	0.00129 (0.000851)
Log manufacturing labor 1970				-0.160*** (0.0349)
P-value for testing $\beta_2 \geq \beta_1$	.0004	.0189	.139	.2808
F-stat first stage	21.8096	13.3101	14.3994	14.3679
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	306	306	306	306

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 8: 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 (0.00150)	0.000757 (0.00151)	0.000325 (0.00164)	0.000378 (0.00162)
Change in kms of paved and gravel roads 1986-1970	0.000808** (0.000318)	0.000740* (0.000416)	0.000940* (0.000496)	0.000947* (0.000491)
Log electric, gas, and water labor 1970				-0.138** (0.0690)
P-value for testing $\beta_2 \geq \beta_1$	.3138	.4955	.6444000000000001	.6351
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03091	0.08332	0.2423	0.2589
Observations	210	210	210	210

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00492 (0.00418)	-0.000556 (0.00450)	0.00432 (0.00490)	0.00457 (0.00491)
Change in kms of paved and gravel roads 1986-1970	0.000949 (0.000718)	-0.0000581 (0.00115)	0.00205 (0.00124)	0.00233* (0.00124)
Log electric, gas, and water labor 1970				-0.142** (0.0716)
P-value for testing $\beta_2 \geq \beta_1$	.1383	.553	.2915	.2945
F-stat first stage	12.6317	8.3332	8.8796	8.803600000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	210	210	209	209

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 9: **Change in log construction labor 1991-1970****Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00149 (0.00109)	0.000191 (0.00102)	-0.00113 (0.000984)	-0.00113 (0.000985)
Change in kms of paved and gravel roads 1986-1970	0.000776*** (0.000231)	0.000614** (0.000274)	0.000190 (0.000290)	0.000196 (0.000291)
Log construction labor 1970				-0.0168 (0.0381)
P-value for testing $\beta_2 \geq \beta_1$	.2512	.6608000000000001	.913	.913
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03694	0.2052	0.4074	0.4078
Observations	304	304	304	304

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0125*** (0.00316)	0.00601** (0.00291)	0.00332 (0.00272)	0.00333 (0.00273)
Change in kms of paved and gravel roads 1986-1970	0.00196*** (0.000566)	0.00159** (0.000721)	0.000894 (0.000696)	0.000918 (0.000701)
Log construction labor 1970				-0.0213 (0.0398)
P-value for testing $\beta_2 \geq \beta_1$	.0001	.043	.1544	.1561
F-stat first stage	24.869	17.5847	18.6	18.4536
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	304	304	304	304

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 10: 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** (0.00110)	0.000903 (0.000954)	-0.000491 (0.000895)	-0.000557 (0.000893)
Change in kms of paved and gravel roads 1986-1970	0.000661*** (0.000234)	0.000443* (0.000255)	-0.000151 (0.000261)	-0.000114 (0.000261)
Log wholesale and retail labor 1970				-0.0572* (0.0341)
P-value for testing $\beta_2 \geq \beta_1$	.0275	.3144	.6502	.6925
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03578	0.3207	0.5214	0.5262
Observations	306	306	306	306

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0152*** (0.00329)	0.00604** (0.00270)	0.00414* (0.00250)	0.00378 (0.00248)
Change in kms of paved and gravel roads 1986-1970	0.00186*** (0.000590)	0.00108* (0.000656)	0.000490 (0.000635)	0.000516 (0.000632)
Log wholesale and retail labor 1970				-0.0548 (0.0361)
P-value for testing $\beta_2 \geq \beta_1$	0	.0192	.0482	.0673
F-stat first stage	25.0122	17.8691	18.766	18.8216
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	306	306	306	306

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 11: **Change in log hotels and restaurants labor 1991-1970****Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00247 (0.00157)	0.00127 (0.00153)	0.00186 (0.00154)	0.00181 (0.00154)
Change in kms of paved and gravel roads 1986-1970	0.000345 (0.000341)	0.000267 (0.000404)	0.000101 (0.000438)	0.000131 (0.000439)
Log hotels and restaurants labor 1970				-0.0620 (0.0621)
P-value for testing $\beta_2 \geq \beta_1$	.0819	.2569	.1249	.1361
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01195	0.1179	0.3076	0.3109
Observations	241	241	241	241

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0158*** (0.00509)	0.00893* (0.00512)	0.0111** (0.00551)	0.0106* (0.00547)
Change in kms of paved and gravel roads 1986-1970	0.00196*** (0.000754)	0.00176* (0.000947)	0.00189* (0.00112)	0.00184* (0.00111)
Log hotels and restaurants labor 1970				-0.0645 (0.0684)
P-value for testing $\beta_2 \geq \beta_1$	.0015	.0616	.0302	.0354
F-stat first stage	16.3309	11.6625	9.966100000000001	9.9785
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	241	241	241	241

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 12: Change in log transportation, storage, and communications labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00273** (0.00127)	0.00169 (0.00120)	0.000575 (0.00120)	0.000321 (0.00120)
Change in kms of paved and gravel roads 1986-1970	0.000393 (0.000269)	-0.000150 (0.000327)	-0.000626* (0.000351)	-0.000550 (0.000350)
Log transportation, storage, and communications labor 1970				-0.0974** (0.0433)
P-value for testing $\beta_2 \geq \beta_1$	.0291	.0627	.1561	.2318
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01814	0.1777	0.3440	0.3560
Observations	302	302	302	302

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0128*** (0.00350)	0.00681** (0.00329)	0.00448 (0.00325)	0.00374 (0.00324)
Change in kms of paved and gravel roads 1986-1970	0.00127** (0.000624)	0.000575 (0.000796)	-0.000165 (0.000825)	-0.000119 (0.000817)
Log transportation, storage, and communications labor 1970				-0.0895** (0.0451)
P-value for testing $\beta_2 \geq \beta_1$	.0001	.0173	.0514	.0892
F-stat first stage	24.3949	18.5875	18.4441	18.2867
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	302	302	302	302

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 13: 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 (0.00160)	-0.00344** (0.00153)	-0.00408** (0.00170)	-0.00409** (0.00171)
Change in kms of paved and gravel roads 1986-1970	-0.000404 (0.000481)	0.0000227 (0.000640)	0.0000681 (0.000782)	0.0000644 (0.000789)
Log financial services and insurance labor 1970				0.00288 (0.0681)
P-value for testing $\beta_2 \geq \beta_1$	.8052	.9843000000000001	.9880000000000001	.9877
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.008626	0.1629	0.2517	0.2517
Observations	186	186	186	186

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00299 (0.00431)	-0.00212 (0.00421)	-0.00764 (0.00733)	-0.00748 (0.00701)
Change in kms of paved and gravel roads 1986-1970	0.000229 (0.00117)	0.000620 (0.00165)	-0.00108 (0.00322)	-0.00100 (0.00303)
Log financial services and insurance labor 1970				0.0153 (0.0763)
P-value for testing $\beta_2 \geq \beta_1$	.2159	.8008000000000001	.9093	.9118000000000001
F-stat first stage	11.0667	8.3368	2.6982	3.0431
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	186	186	183	183

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 14: **Change in log public administration labor 1991-1970****Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00172 (0.00117)	0.000491 (0.00106)	-0.000435 (0.00108)	-0.000484 (0.00107)
Change in kms of paved and gravel roads 1986-1970	0.000795*** (0.000246)	0.000152 (0.000284)	-0.00000780 (0.000315)	0.0000275 (0.000314)
Log public administration labor 1970				-0.0803** (0.0369)
P-value for testing $\beta_2 \geq \beta_1$	.2067	.3746	.6558	.6853
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03530	0.2493	0.3785	0.3892
Observations	302	302	302	302

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0118*** (0.00335)	0.00375 (0.00303)	0.00210 (0.00303)	0.00235 (0.00301)
Change in kms of paved and gravel roads 1986-1970	0.00166*** (0.000585)	0.000451 (0.000723)	-0.0000252 (0.000744)	0.000167 (0.000742)
Log public administration labor 1970				-0.0781** (0.0376)
P-value for testing $\beta_2 \geq \beta_1$	.0004	.1084	.2114	.2042
F-stat first stage	23.1062	15.8659	16.9462	16.9196
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	302	302	302	302

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 15: 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 (0.00191)	-0.000867 (0.00182)	-0.000407 (0.00193)	-0.000322 (0.00193)
Change in kms of paved and gravel roads 1986-1970	-0.000210 (0.000374)	0.000213 (0.000464)	0.000444 (0.000552)	0.000444 (0.000551)
Log real state and business labor 1970				0.0759 (0.0682)
P-value for testing $\beta_2 \geq \beta_1$	.2902	.7238	.6697000000000001	.6537000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.004268	0.1800	0.3273	0.3331
Observations	174	174	174	174

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0168** (0.00746)	0.00831 (0.00727)	0.00146 (0.00629)	0.00156 (0.00630)
Change in kms of paved and gravel roads 1986-1970	0.00188* (0.00109)	0.00213 (0.00143)	0.000748 (0.00144)	0.000719 (0.00144)
Log real state and business labor 1970				0.0784 (0.0689)
P-value for testing $\beta_2 \geq \beta_1$	.0116	.1589	.4462	.4367
F-stat first stage	7.867900000000001	4.9869	5.7267	5.689
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	174	174	172	172

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 16: Change in log education labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00217* (0.00120)	0.000599 (0.00107)	-0.000704 (0.00102)	-0.000855 (0.00101)
Change in kms of paved and gravel roads 1986-1970	0.00134*** (0.000255)	0.000958*** (0.000286)	0.000133 (0.000299)	0.000182 (0.000295)
Log education labor 1970				-0.117*** (0.0408)
P-value for testing $\beta_2 \geq \beta_1$	.2366	.6317	.7968000000000001	.8506
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.08426	0.3118	0.4962	0.5111
Observations	305	305	305	305

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0128*** (0.00333)	0.00412 (0.00290)	0.00198 (0.00276)	0.00156 (0.00273)
Change in kms of paved and gravel roads 1986-1970	0.00230*** (0.000601)	0.00145** (0.000716)	0.000488 (0.000700)	0.000613 (0.000691)
Log education labor 1970				-0.115*** (0.0416)
P-value for testing $\beta_2 \geq \beta_1$	.0002	.1503	.2686	.3467
F-stat first stage	25.2076	18.0514	18.7595	18.6792
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	305	305	305	305

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 17: Change in log health and social work labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000130 (0.00141)	-0.000641 (0.00138)	-0.00160 (0.00137)	-0.00160 (0.00138)
Change in kms of paved and gravel roads 1986-1970	0.000813*** (0.000279)	0.000669* (0.000348)	0.000304 (0.000385)	0.000311 (0.000386)
Log health and social work labor 1970				-0.0296 (0.0506)
P-value for testing $\beta_2 \geq \beta_1$	.6930000000000001	.8308000000000001	.9224	.9222
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03412	0.1267	0.3109	0.3119
Observations	262	262	262	262

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00686* (0.00381)	0.00174 (0.00388)	0.00184 (0.00378)	0.00185 (0.00379)
Change in kms of paved and gravel roads 1986-1970	0.00155*** (0.000592)	0.00129 (0.000806)	0.000449 (0.000919)	0.000491 (0.000922)
Log health and social work labor 1970				-0.0303 (0.0514)
P-value for testing $\beta_2 \geq \beta_1$	.0628	.4491	.3386	.3426
F-stat first stage	20.786	15.8126	15.5358	15.4334
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	262	262	261	261

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 18: **Change in log other services labor 1991-1970****Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00224* (0.00125)	0.00158 (0.00122)	0.000705 (0.00125)	0.000351 (0.00123)
Change in kms of paved and gravel roads 1986-1970	0.000905*** (0.000287)	0.000399 (0.000351)	0.000157 (0.000401)	0.000198 (0.000392)
Log other services labor 1970				-0.151*** (0.0437)
P-value for testing $\beta_2 \geq \beta_1$	.1324	.1683	.3302	.4505
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03827	0.1490	0.2930	0.3262
Observations	274	274	274	274

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0156*** (0.00416)	0.0109*** (0.00399)	0.00769** (0.00381)	0.00652* (0.00378)
Change in kms of paved and gravel roads 1986-1970	0.00329*** (0.000875)	0.00306** (0.00122)	0.00309** (0.00128)	0.00322** (0.00125)
Log other services labor 1970				-0.147*** (0.0506)
P-value for testing $\beta_2 \geq \beta_1$	.0002	.0077	.0684	.1416
F-stat first stage	16.2604	11.3147	12.4945	12.3766
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	274	274	273	273

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 19: **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 (0.00114)	0.000272 (0.00107)	-0.000815 (0.00100)	-0.00107 (0.000963)
Change in kms of paved and gravel roads 1986-1970	0.000464* (0.000241)	0.000342 (0.000287)	0.000140 (0.000293)	0.000219 (0.000281)
Log other household services labor 1970				-0.184*** (0.0362)
P-value for testing $\beta_2 \geq \beta_1$	.1507	.5259	.8329000000000001	.9125000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01485	0.1696	0.4198	0.4689
Observations	310	310	310	310

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00957*** (0.00306)	0.00244 (0.00290)	0.00339 (0.00276)	0.00235 (0.00264)
Change in kms of paved and gravel roads 1986-1970	0.00117** (0.000548)	0.000573 (0.000709)	0.000830 (0.000702)	0.000939 (0.000670)
Log other household services labor 1970				-0.182*** (0.0375)
P-value for testing $\beta_2 \geq \beta_1$	.0011	.2338	.1445	.2717
F-stat first stage	25.1316	18.0999	19.0276	18.9372
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	310	310	310	310

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

1.2.3 Labor levels by broad sector of activity

Table 20: Change in log primary sector labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00331 (0.00235)	0.000515 (0.00184)	0.000443 (0.00173)	-0.000431 (0.00168)
Change in kms of paved and gravel roads 1986-1970	-0.00112** (0.000497)	0.000252 (0.000492)	-0.000872* (0.000506)	-0.000127 (0.000511)
Log primary sector labor 1970				-0.564*** (0.117)
P-value for testing $\beta_2 \geq \beta_1$	.0258	.4432	.2205	.5719000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.02898	0.4355	0.5988	0.6295
Observations	311	311	311	311

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0207*** (0.00637)	0.0116** (0.00531)	0.00967** (0.00487)	0.00419 (0.00443)
Change in kms of paved and gravel roads 1986-1970	0.000678 (0.00114)	0.00231* (0.00130)	0.000742 (0.00124)	0.00117 (0.00120)
Log primary sector labor 1970				-0.610*** (0.138)
P-value for testing $\beta_2 \geq \beta_1$	.0002	.0245	.0182	.2258
F-stat first stage	25.2128	18.1634	19.0977	21.0279
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	311

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 21: **Change in log secondary sector labor 1991-1970****Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00204** (0.00100)	0.000971 (0.000949)	-0.000327 (0.000848)	-0.000384 (0.000842)
Change in kms of paved and gravel roads 1986-1970	0.000837*** (0.000212)	0.000609** (0.000253)	0.000213 (0.000247)	0.000231 (0.000246)
Log secondary sector labor 1970				-0.0732** (0.0313)
P-value for testing $\beta_2 \geq \beta_1$	.1072	.3512	.7411	.7706000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.05151	0.1955	0.4847	0.4946
Observations	311	311	311	311

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0114*** (0.00287)	0.00579** (0.00272)	0.00300 (0.00234)	0.00283 (0.00233)
Change in kms of paved and gravel roads 1986-1970	0.00208*** (0.000514)	0.00185*** (0.000664)	0.00103* (0.000595)	0.00106* (0.000591)
Log secondary sector labor 1970				-0.0727** (0.0326)
P-value for testing $\beta_2 \geq \beta_1$	.0002	.051	.1678	.1916
F-stat first stage	25.2128	18.1634	19.0977	19.0225
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	311

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 22: Change in log tertiary sector labor 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00243** (0.000963)	0.000989 (0.000813)	-0.0000768 (0.000766)	-0.000134 (0.000764)
Change in kms of paved and gravel roads 1986-1970	0.000710*** (0.000204)	0.000291 (0.000217)	-0.0000101 (0.000223)	0.0000122 (0.000223)
Log tertiary sector labor 1970				-0.0490* (0.0296)
P-value for testing $\beta_2 \geq \beta_1$	.0326	.195	.5352	.5770000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.04656	0.3570	0.5430	0.5474
Observations	311	311	311	311

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0141*** (0.00294)	0.00606*** (0.00234)	0.00506** (0.00221)	0.00485** (0.00220)
Change in kms of paved and gravel roads 1986-1970	0.00186*** (0.000526)	0.00105* (0.000572)	0.000734 (0.000561)	0.000772 (0.000559)
Log tertiary sector labor 1970				-0.0448 (0.0323)
P-value for testing $\beta_2 \geq \beta_1$	0	.0079	.0127	.0173
F-stat first stage	25.2128	18.1634	19.0977	19.0308
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	311

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

1.2.4 Employment

Table 23: Change in log unemployed 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000949 (0.00109)	0.000303 (0.00108)	-0.000779 (0.00107)	-0.000519 (0.00102)
Change in kms of paved and gravel roads 1986-1970	-0.000226 (0.000243)	-0.000126 (0.000290)	-0.000581* (0.000311)	-0.000438 (0.000298)
Log unemployed 1970				-0.200*** (0.0396)
P-value for testing $\beta_2 \geq \beta_1$	.133	.346	.5747	.532
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.007664	0.08726	0.2936	0.3575
Observations	288	288	288	288

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00513* (0.00300)	0.00189 (0.00316)	0.00317 (0.00297)	0.00292 (0.00283)
Change in kms of paved and gravel roads 1986-1970	0.0000490 (0.000570)	-0.000122 (0.000747)	-0.0000426 (0.000737)	0.000250 (0.000716)
Log unemployed 1970				-0.213*** (0.0419)
P-value for testing $\beta_2 \geq \beta_1$	.0271	.2329	.1088	.1395
F-stat first stage	19.1067	13.9787	16.8576	16.7565
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	288	288	288	288

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 24: **Change in log inactive 1991-1970****Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00122*** (0.000456)	0.000888** (0.000448)	0.000709* (0.000423)	0.000726* (0.000424)
Change in kms of paved and gravel roads 1986-1970	-0.0000659 (0.0000967)	-0.0000333 (0.000120)	-0.000250** (0.000123)	-0.000258** (0.000124)
Log inactive 1970				0.0134 (0.0209)
P-value for testing $\beta_2 \geq \beta_1$	.0018	.0197	.0106	.0094
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.02860	0.1143	0.3680	0.3689
Observations	311	311	311	311

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00528*** (0.00128)	0.00401*** (0.00131)	0.00358*** (0.00122)	0.00366*** (0.00123)
Change in kms of paved and gravel roads 1986-1970	0.000388* (0.000230)	0.000402 (0.000319)	0.000176 (0.000311)	0.000158 (0.000314)
Log inactive 1970				0.0171 (0.0232)
P-value for testing $\beta_2 \geq \beta_1$	0	.0009	.0007	.0006
F-stat first stage	25.2128	18.1634	19.0977	19.0695
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	311

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 25: **Change in log self-employed workers 1991-1970****Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00175*** (0.000611)	0.000813 (0.000540)	0.000491 (0.000546)	0.000446 (0.000546)
Change in kms of paved and gravel roads 1986-1970	-0.000118 (0.000129)	-0.0000880 (0.000144)	-0.000427*** (0.000159)	-0.000395** (0.000160)
Log self-employed workers 1970				-0.0386 (0.0274)
P-value for testing $\beta_2 \geq \beta_1$	.0008	.0473	.0438	.0595
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03450	0.2857	0.4159	0.4200
Observations	311	311	311	311

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00797*** (0.00176)	0.00337** (0.00150)	0.00403** (0.00157)	0.00375** (0.00155)
Change in kms of paved and gravel roads 1986-1970	0.000437 (0.000316)	0.0000901 (0.000367)	0.000161 (0.000399)	0.000184 (0.000399)
Log self-employed workers 1970				-0.0393 (0.0304)
P-value for testing $\beta_2 \geq \beta_1$	0	.0069	.0024	.0045
F-stat first stage	25.2128	18.1634	19.0977	19.4265
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	311

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 26: Change in log salary workers 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00126** (0.000501)	0.000808* (0.000471)	0.000888** (0.000435)	0.000871** (0.000436)
Change in kms of paved and gravel roads 1986-1970	0.000221** (0.000106)	0.000119 (0.000126)	-0.0000891 (0.000127)	-0.0000803 (0.000128)
Log salary workers 1970				-0.0152 (0.0209)
P-value for testing $\beta_2 \geq \beta_1$	.0166	.0716	.0114	.0136
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.02693	0.1863	0.4439	0.4450
Observations	311	311	311	311

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00634*** (0.00144)	0.00409*** (0.00136)	0.00326*** (0.00122)	0.00323*** (0.00122)
Change in kms of paved and gravel roads 1986-1970	0.000616** (0.000259)	0.000321 (0.000333)	0.000176 (0.000310)	0.000190 (0.000313)
Log salary workers 1970				-0.0118 (0.0223)
P-value for testing $\beta_2 \geq \beta_1$	0	.0009	.0019	.0023
F-stat first stage	25.2128	18.1634	19.0977	19.0389
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	311

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 27: Change in log unpaid workers 1991-1970

Panel A: OLS

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000435 (0.000898)	-0.000152 (0.000899)	-0.000389 (0.000900)	-0.000891 (0.000774)
Change in kms of paved and gravel roads 1986-1970	-0.000582*** (0.000191)	-0.000508** (0.000242)	-0.000784*** (0.000263)	-0.000237 (0.000232)
Log unpaid workers 1970				-0.375*** (0.0376)
P-value for testing $\beta_2 \geq \beta_1$	.121	.3457	.3278	.803
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03495	0.08313	0.2754	0.4681
Observations	305	305	305	305

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00418* (0.00233)	0.00149 (0.00246)	0.00503** (0.00250)	0.00159 (0.00202)
Change in kms of paved and gravel roads 1986-1970	-0.000458 (0.000419)	-0.000662 (0.000595)	-0.000188 (0.000642)	0.000196 (0.000544)
Log unpaid workers 1970				-0.380*** (0.0419)
P-value for testing $\beta_2 \geq \beta_1$	.0133	.1608	.0088	.2192
F-stat first stage	23.8628	17.5334	19.6029	20.7162
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	305	305	304	304

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

1.2.5 Migration

Table 28: 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** (0.000858)	0.000620 (0.000756)	-0.000403 (0.000661)	-0.000217 (0.000638)
Change in kms of paved and gravel roads 1986-1970	0.000532*** (0.000182)	0.000379* (0.000202)	-0.0000203 (0.000193)	-0.000125 (0.000187)
Log number of people living in the province they were born 1970				0.157*** (0.0327)
P-value for testing $\beta_2 \geq \beta_1$	.0594	.3747	.7216	.5578000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.03340	0.2897	0.5649	0.5982
Observations	311	311	311	311

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0111*** (0.00253)	0.00494** (0.00217)	0.00318* (0.00186)	0.00398** (0.00183)
Change in kms of paved and gravel roads 1986-1970	0.00155*** (0.000454)	0.00121** (0.000530)	0.000543 (0.000472)	0.000371 (0.000469)
Log number of people living in the province they were born 1970				0.164*** (0.0360)
P-value for testing $\beta_2 \geq \beta_1$	0	.0262	.0529	.0124
F-stat first stage	25.2128	18.1634	19.0977	19.1155
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	311

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

1.2.6 Education

Table 29: 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** (0.000736)	0.00116* (0.000672)	0.000882 (0.000665)	0.000714 (0.000610)
Change in kms of paved and gravel roads 1986-1970	0.000535*** (0.000156)	0.000248 (0.000181)	-0.000249 (0.000194)	-0.000184 (0.000178)
Log number of people with at least secondary education 1970				-0.153*** (0.0209)
P-value for testing $\beta_2 \geq \beta_1$	.0295	.0879	.0422	.0676
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.04663	0.2450	0.4081	0.5052
Observations	306	306	306	306

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00709*** (0.00198)	0.00242 (0.00183)	0.00271 (0.00179)	0.00223 (0.00164)
Change in kms of paved and gravel roads 1986-1970	0.000849** (0.000353)	0.0000329 (0.000444)	-0.000203 (0.000456)	-0.0000291 (0.000417)
Log number of people with at least secondary education 1970				-0.152*** (0.0212)
P-value for testing $\beta_2 \geq \beta_1$	.0002	.0702	.0316	.0584
F-stat first stage	24.7914	17.9252	18.8033	18.7334
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	306	306	306	306

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 30: **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 (0.00101)	0.000525 (0.00102)	0.000726 (0.000985)	0.000730 (0.000982)
Change in kms of paved and gravel roads 1986-1970	0.000380* (0.000229)	0.000362 (0.000288)	0.000251 (0.000307)	0.000257 (0.000306)
Log number of people with at least college 1970				-0.0499 (0.0339)
P-value for testing $\beta_2 \geq \beta_1$	.2828	.4363	.3136	.3137
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01207	0.06404	0.3156	0.3225
Observations	245	245	245	245

Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00964*** (0.00314)	0.00843** (0.00332)	0.00692** (0.00279)	0.00661** (0.00275)
Change in kms of paved and gravel roads 1986-1970	0.00180*** (0.000655)	0.00205** (0.000969)	0.00190** (0.000887)	0.00191** (0.000880)
Log number of people with at least college 1970				-0.0524 (0.0381)
P-value for testing $\beta_2 \geq \beta_1$	.0016	.0089	.0147	.0192
F-stat first stage	14.8301	10.1996	13.3693	13.3702
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	245	245	244	244

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$