

# 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*** (0.170)	1.716*** (0.156)	1.847*** (0.157)	1.860*** (0.153)
Studied railroad tracks (kms)	0.626*** (0.107)	0.534*** (0.101)	0.480*** (0.0992)	0.535*** (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	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

**Panel B: Change in paved and gravel roads (kms) 1986-1970**

	(1)	(2)	(3)	(4)
Hypothetical LCP MST (Euclidean distance) (kms)	1.478*** (0.155)	0.983*** (0.137)	1.041*** (0.136)	1.036*** (0.133)
Studied railroad tracks (kms)	0.505*** (0.0982)	0.370*** (0.0891)	0.342*** (0.0857)	0.354*** (0.0849)
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
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

**Panel C: Change in railroads (kms) 1986-1960**

	(1)	(2)	(3)	(4)
Hypothetical LCP MST (Euclidean distance) (kms)	0.0478 (0.0426)	0.0532 (0.0457)	0.0584 (0.0502)	0.0615 (0.0524)
Studied railroad tracks (kms)	-0.359*** (0.0269)	-0.340*** (0.0296)	-0.352*** (0.0317)	-0.350*** (0.0334)
Log urban population 1960				-0.576 (2.722)
F-stat from testing both instruments = 0	92.78	26.9	24.82	20.36
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

**Panel D: Change in railroads (kms) 1986-1970**

	(1)	(2)	(3)	(4)
Hypothetical LCP MST (Euclidean distance) (kms)	0.0167 (0.0353)	0.0419 (0.0376)	0.0356 (0.0413)	0.0383 (0.0429)
Studied railroad tracks (kms)	-0.215*** (0.0223)	-0.206*** (0.0244)	-0.218*** (0.0261)	-0.218*** (0.0273)
Log urban population 1960				1.266 (2.227)
F-stat from testing both instruments = 0	49.52	15.07	14.21	11.93
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

## 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*** (0.000538)	0.00183*** (0.000475)	0.00129*** (0.000470)	0.000960** (0.000417)
Change in kms of paved and gravel roads 1986-1954	0.000176 (0.000125)	-0.00000212 (0.000131)	-0.000141 (0.000136)	-0.000194 (0.000123)
Log urban population 1960				-0.0890*** (0.0211)
P-value for testing $\beta_2 \geq \beta_1$	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

**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)	0.00303*** (0.000906)
Change in kms of paved and gravel roads 1986-1954	0.000337 (0.000222)	-0.000150 (0.000244)	0.000118 (0.000245)	0.000115 (0.000213)
Log urban population 1960				-0.0817*** (0.0224)
P-value for testing $\beta_2 \geq \beta_1$	0	0	0	.0002
Cragg-Donald (multivariate) F-stat	51.496	37.8878	39.8302	35.9178
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 3: **Change in log urban population 1991-1960**

**Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00145*** (0.000547)	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
Cragg-Donald (multivariate) F-stat	51.5397	39.1534	36.3194	35.66
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 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 (0.000202)	-0.000330 (0.000211)	-0.000294 (0.000209)	-0.000508*** (0.000168)
Change in kms of paved and gravel roads 1986-1954	0.0000360 (0.0000469)	0.00000282 (0.0000582)	0.0000607 (0.0000604)	0.0000446 (0.0000494)
Log urban population 1960				-0.0287*** (0.00849)
P-value for testing $\beta_2 \geq \beta_1$	.9335	.9459000000000001	.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

**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)	-0.000525 (0.000347)
Change in kms of paved and gravel roads 1986-1954	0.0000500 (0.0000789)	0.0000128 (0.000106)	-0.00000704 (0.000104)	0.0000438 (0.0000815)
Log urban population 1960				-0.0287*** (0.00856)
P-value for testing $\beta_2 \geq \beta_1$	.5925	.7004	.7267	.9666
Cragg-Donald (multivariate) F-stat	51.496	37.8878	39.8302	35.9178
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 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*** (0.000434)	0.00118*** (0.000402)	0.000924** (0.000375)	0.000832** (0.000370)
Change in kms of paved and gravel roads 1986-1970	0.0000745 (0.0000921)	0.00000622 (0.000108)	-0.000219** (0.000109)	-0.000239** (0.000112)
Log urban population 1960				0.0323** (0.0145)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00386*** (0.00112)
Change in kms of paved and gravel roads 1986-1970	0.000551** (0.000233)	0.000346 (0.000291)	0.000211 (0.000283)	0.000192 (0.000280)
Log urban population 1960				0.0328** (0.0164)
P-value for testing $\beta_2 \geq \beta_1$	0	.0001	.0001	.0001
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

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

### 1.3.2 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* (0.000869)	0.000458 (0.000809)	-0.000362 (0.000801)	-0.000367 (0.000767)
Change in kms of paved and gravel roads 1986-1970	0.000614*** (0.000184)	0.000497** (0.000216)	0.000149 (0.000234)	0.000246 (0.000232)
Log urban population 1960				0.138*** (0.0300)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00443** (0.00222)
Change in kms of paved and gravel roads 1986-1970	0.00136*** (0.000437)	0.000970* (0.000549)	0.000914 (0.000571)	0.00106* (0.000556)
Log urban population 1960				0.138*** (0.0325)
P-value for testing $\beta_2 \geq \beta_1$	.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

Standard errors in parentheses

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

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 (0.00364)	0.00237 (0.00383)	-0.000903 (0.00430)	-0.00234 (0.00467)
Change in kms of paved and gravel roads 1986-1970	0.00157*** (0.000515)	0.00162*** (0.000609)	0.000959 (0.000740)	0.00149* (0.000790)
Log urban population 1960				0.220 (0.139)
P-value for testing $\beta_2 \geq \beta_1$	.2702	.4207	.6728000000000001	.8006000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.08207	0.1245	0.3782	0.4145
Observations	107	107	107	99

**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)	0.0282 (0.0356)
Change in kms of paved and gravel roads 1986-1970	0.0127 (0.0323)	0.0401 (0.625)	0.00159 (0.00221)	0.00290 (0.00247)
Log urban population 1960				0.242 (0.181)
P-value for testing $\beta_2 \geq \beta_1$	.3509	.4745	.324	.2261
Cragg-Donald (multivariate) F-stat	.0712	.0019	1.0203	.9956
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	107	107	105	96

Standard errors in parentheses

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

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 (0.00115)	0.000472 (0.00110)	-0.000665 (0.00101)	-0.000337 (0.000994)
Change in kms of paved and gravel roads 1986-1970	0.000777*** (0.000249)	0.000212 (0.000302)	0.0000493 (0.000304)	0.000332 (0.000311)
Log urban population 1960				0.0179 (0.0394)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00394 (0.00275)
Change in kms of paved and gravel roads 1986-1970	0.00212*** (0.000637)	0.00132 (0.000943)	0.00110 (0.000883)	0.00114 (0.000841)
Log urban population 1960				0.0153 (0.0412)
P-value for testing $\beta_2 \geq \beta_1$	.0004	.0189	.139	.1054
Cragg-Donald (multivariate) F-stat	21.8096	13.3101	14.3994	14.2109
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	306	306	306	283

Standard errors in parentheses

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



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 (0.00150)	0.000757 (0.00151)	0.000325 (0.00164)	-0.000303 (0.00164)
Change in kms of paved and gravel roads 1986-1970	0.000808** (0.000318)	0.000740* (0.000416)	0.000940* (0.000496)	0.000729 (0.000501)
Log urban population 1960				0.0935 (0.0684)
P-value for testing $\beta_2 \geq \beta_1$	.3138	.4955	.6444000000000001	.7333000000000001
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

**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)	0.00341 (0.00489)
Change in kms of paved and gravel roads 1986-1970	0.000949 (0.000718)	-0.0000581 (0.00115)	0.00205 (0.00124)	0.00187 (0.00118)
Log urban population 1960				0.0829 (0.0714)
P-value for testing $\beta_2 \geq \beta_1$	.1383	.553	.2915	.3564
Cragg-Donald (multivariate) F-stat	12.6317	8.3332	8.8796	8.918700000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	210	210	209	202

Standard errors in parentheses

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

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 (0.00109)	0.000191 (0.00102)	-0.00113 (0.000984)	-0.00106 (0.000936)
Change in kms of paved and gravel roads 1986-1970	0.000776*** (0.000231)	0.000614** (0.000274)	0.000190 (0.000290)	0.0000528 (0.000282)
Log urban population 1960				0.0437 (0.0366)
P-value for testing $\beta_2 \geq \beta_1$	.2512	.6608000000000001	.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)
Change in kms of railroads 1986-1970	0.0125*** (0.00316)	0.00601** (0.00291)	0.00332 (0.00272)	0.00340 (0.00263)
Change in kms of paved and gravel roads 1986-1970	0.00196*** (0.000566)	0.00159** (0.000721)	0.000894 (0.000696)	0.000779 (0.000655)
Log urban population 1960				0.0439 (0.0385)
P-value for testing $\beta_2 \geq \beta_1$	.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** (0.00110)	0.000903 (0.000954)	-0.000491 (0.000895)	-0.000177 (0.000877)
Change in kms of paved and gravel roads 1986-1970	0.000661*** (0.000234)	0.000443* (0.000255)	-0.000151 (0.000261)	-0.0000316 (0.000265)
Log urban population 1960				0.0640* (0.0343)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00467* (0.00248)
Change in kms of paved and gravel roads 1986-1970	0.00186*** (0.000590)	0.00108* (0.000656)	0.000490 (0.000635)	0.000593 (0.000622)
Log urban population 1960				0.0651* (0.0364)
P-value for testing $\beta_2 \geq \beta_1$	0	.0192	.0482	.0307
Cragg-Donald (multivariate) F-stat	25.0122	17.8691	18.766	17.7129
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	306	306	306	286

Standard errors in parentheses

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

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	0.00247 (0.00157)	0.00127 (0.00153)	0.00186 (0.00154)	0.00166 (0.00155)
Change in kms of paved and gravel roads 1986-1970	0.000345 (0.000341)	0.000267 (0.000404)	0.000101 (0.000438)	0.000231 (0.000446)
Log urban population 1960				0.160*** (0.0605)
P-value for testing $\beta_2 \geq \beta_1$	.0819	.2569	.1249	.1763
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01195	0.1179	0.3076	0.3320
Observations	241	241	241	235

**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)	0.0118** (0.00552)
Change in kms of paved and gravel roads 1986-1970	0.00196*** (0.000754)	0.00176* (0.000947)	0.00189* (0.00112)	0.00213* (0.00116)
Log urban population 1960				0.152** (0.0681)
P-value for testing $\beta_2 \geq \beta_1$	.0015	.0616	.0302	.0244
Cragg-Donald (multivariate) F-stat	16.3309	11.6625	9.966100000000001	9.9148
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	241	241	241	235

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)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00273** (0.00127)	0.00169 (0.00120)	0.000575 (0.00120)	0.000875 (0.00117)
Change in kms of paved and gravel roads 1986-1970	0.000393 (0.000269)	-0.000150 (0.000327)	-0.000626* (0.000351)	-0.000501 (0.000355)
Log urban population 1960				0.119** (0.0466)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00615* (0.00327)
Change in kms of paved and gravel roads 1986-1970	0.00127** (0.000624)	0.000575 (0.000796)	-0.000165 (0.000825)	0.0000773 (0.000817)
Log urban population 1960				0.120** (0.0486)
P-value for testing $\beta_2 \geq \beta_1$	.0001	.0173	.0514	.0171
Cragg-Donald (multivariate) F-stat	24.3949	18.5875	18.4441	17.2887
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	302	302	302	282

Standard errors in parentheses

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

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 (0.00160)	-0.00344** (0.00153)	-0.00408** (0.00170)	-0.00424** (0.00163)
Change in kms of paved and gravel roads 1986-1970	-0.000404 (0.000481)	0.0000227 (0.000640)	0.0000681 (0.000782)	-0.000285 (0.000753)
Log urban population 1960				0.259*** (0.0657)
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	0.3192
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)	-0.00563 (0.00664)
Change in kms of paved and gravel roads 1986-1970	0.000229 (0.00117)	0.000620 (0.00165)	-0.00108 (0.00322)	-0.000444 (0.00294)
Log urban population 1960				0.261*** (0.0739)
P-value for testing $\beta_2 \geq \beta_1$	.2159	.8008000000000001	.9093	.8763000000000001
Cragg-Donald (multivariate) F-stat	11.0667	8.3368	2.6982	2.9225
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 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 (0.00117)	0.000491 (0.00106)	-0.000435 (0.00108)	-0.000548 (0.00106)
Change in kms of paved and gravel roads 1986-1970	0.000795*** (0.000246)	0.000152 (0.000284)	-0.00000780 (0.000315)	0.000134 (0.000317)
Log urban population 1960				0.0234 (0.0412)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00260 (0.00300)
Change in kms of paved and gravel roads 1986-1970	0.00166*** (0.000585)	0.000451 (0.000723)	-0.0000252 (0.000744)	0.000114 (0.000721)
Log urban population 1960				0.0257 (0.0419)
P-value for testing $\beta_2 \geq \beta_1$	.0004	.1084	.2114	.1722
Cragg-Donald (multivariate) F-stat	23.1062	15.8659	16.9462	16.1379
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	302	302	302	283

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 (0.00191)	-0.000867 (0.00182)	-0.000407 (0.00193)	0.000454 (0.00168)
Change in kms of paved and gravel roads 1986-1970	-0.000210 (0.000374)	0.000213 (0.000464)	0.000444 (0.000552)	0.000514 (0.000479)
Log urban population 1960				0.406*** (0.0630)
P-value for testing $\beta_2 \geq \beta_1$	.2902	.7238	.6697000000000001	.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

**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)	0.00550 (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 $\beta_2 \geq \beta_1$	.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

Standard errors in parentheses

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



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* (0.00120)	0.000599 (0.00107)	-0.000704 (0.00102)	-0.000676 (0.00102)
Change in kms of paved and gravel roads 1986-1970	0.00134*** (0.000255)	0.000958*** (0.000286)	0.000133 (0.000299)	0.000123 (0.000307)
Log urban population 1960				0.0652 (0.0399)
P-value for testing $\beta_2 \geq \beta_1$	.2366	.6317	.7968000000000001	.7868000000000001
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.08426	0.3118	0.4962	0.5071
Observations	305	305	305	284

**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)	0.00311 (0.00278)
Change in kms of paved and gravel roads 1986-1970	0.00230*** (0.000601)	0.00145** (0.000716)	0.000488 (0.000700)	0.000630 (0.000697)
Log urban population 1960				0.0659 (0.0411)
P-value for testing $\beta_2 \geq \beta_1$	.0002	.1503	.2686	.1548
Cragg-Donald (multivariate) F-stat	25.2076	18.0514	18.7595	17.7111
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	305	305	305	284

Standard errors in parentheses

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

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	0.000130 (0.00141)	-0.000641 (0.00138)	-0.00160 (0.00137)	-0.00169 (0.00136)
Change in kms of paved and gravel roads 1986-1970	0.000813*** (0.000279)	0.000669* (0.000348)	0.000304 (0.000385)	0.000406 (0.000404)
Log urban population 1960				0.156*** (0.0532)
P-value for testing $\beta_2 \geq \beta_1$	.6930000000000001	.8308000000000001	.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

**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)	0.00204 (0.00376)
Change in kms of paved and gravel roads 1986-1970	0.00155*** (0.000592)	0.00129 (0.000806)	0.000449 (0.000919)	0.000367 (0.000916)
Log urban population 1960				0.162*** (0.0544)
P-value for testing $\beta_2 \geq \beta_1$	.0628	.4491	.3386	.3081
Cragg-Donald (multivariate) F-stat	20.786	15.8126	15.5358	15.0447
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	262	262	261	245

Standard errors in parentheses

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

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* (0.00125)	0.00158 (0.00122)	0.000705 (0.00125)	0.000793 (0.00125)
Change in kms of paved and gravel roads 1986-1970	0.000905*** (0.000287)	0.000399 (0.000351)	0.000157 (0.000401)	0.000296 (0.000404)
Log urban population 1960				0.0109 (0.0500)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00835** (0.00400)
Change in kms of paved and gravel roads 1986-1970	0.00329*** (0.000875)	0.00306** (0.00122)	0.00309** (0.00128)	0.00278** (0.00123)
Log urban population 1960				-0.00682 (0.0569)
P-value for testing $\beta_2 \geq \beta_1$	.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

Standard errors in parentheses

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

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 (0.00114)	0.000272 (0.00107)	-0.000815 (0.00100)	-0.00104 (0.000968)
Change in kms of paved and gravel roads 1986-1970	0.000464* (0.000241)	0.000342 (0.000287)	0.000140 (0.000293)	0.000370 (0.000292)
Log urban population 1960				-0.0561 (0.0379)
P-value for testing $\beta_2 \geq \beta_1$	.1507	.5259	.8329000000000001	.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

**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)	0.00278 (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 $\beta_2 \geq \beta_1$	.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

Standard errors in parentheses

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

### 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 (0.000149)	-0.000165 (0.000142)	-0.0000868 (0.000140)	-0.0000555 (0.000118)
Change in kms of paved and gravel roads 1986-1970	-0.000101*** (0.0000315)	-0.0000200 (0.0000379)	-0.0000651 (0.0000409)	-0.0000835** (0.0000356)
Log urban population 1960				0.0409*** (0.00460)
P-value for testing $\beta_2 \geq \beta_1$	.6472	.8472000000000001	.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

#### Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.000298 (0.000370)	-0.000120 (0.000381)	0.000135 (0.000375)	0.000329 (0.000321)
Change in kms of paved and gravel roads 1986-1970	-0.000115* (0.0000663)	-0.0000191 (0.0000930)	-0.0000102 (0.0000954)	-0.0000192 (0.0000805)
Log urban population 1960				0.0410*** (0.00471)
P-value for testing $\beta_2 \geq \beta_1$	.7082000000000001	.6176	.3295	.1084
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 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* (0.0000535)	0.0000944* (0.0000541)	0.0000811 (0.0000563)	0.0000834 (0.0000573)
Change in kms of paved and gravel roads 1986-1970	0.0000218* (0.0000113)	0.0000356** (0.0000144)	0.0000208 (0.0000164)	0.0000336* (0.0000173)
Log urban population 1960				-0.000387 (0.00224)
P-value for testing $\beta_2 \geq \beta_1$	.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

**Panel B: IV**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.000103 (0.000139)	-0.000106 (0.000153)	0.00000178 (0.000150)	0.0000557 (0.000153)
Change in kms of paved and gravel roads 1986-1970	-0.0000267 (0.0000248)	-0.0000326 (0.0000372)	0.00000210 (0.0000383)	0.0000147 (0.0000384)
Log urban population 1960				-0.000336 (0.00225)
P-value for testing $\beta_2 \geq \beta_1$	.7297	.7071000000000001	.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 (0.0000940)	-0.0000114 (0.0000896)	-0.0000448 (0.0000904)	-0.0000286 (0.0000885)
Change in kms of paved and gravel roads 1986-1970	0.0000365* (0.0000199)	0.00000450 (0.0000239)	0.0000247 (0.0000264)	0.0000433 (0.0000267)
Log urban population 1960				-0.0117*** (0.00346)
P-value for testing $\beta_2 \geq \beta_1$	.8911	.5705	.7825000000000001	.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

**Panel B: IV**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.000174 (0.000235)	0.0000915 (0.000243)	-0.000199 (0.000242)	-0.000272 (0.000241)
Change in kms of paved and gravel roads 1986-1970	0.0000591 (0.0000421)	0.0000627 (0.0000593)	-0.0000123 (0.0000615)	-0.0000155 (0.0000603)
Log urban population 1960				-0.0116*** (0.00353)
P-value for testing $\beta_2 \geq \beta_1$	.8649	.4468	.8102	.8877
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

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

### 1.3.4 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 (0.00235)	0.000515 (0.00184)	0.000443 (0.00173)	0.000310 (0.00129)
Change in kms of paved and gravel roads 1986-1970	-0.00112** (0.000497)	0.000252 (0.000492)	-0.000872* (0.000506)	-0.000999** (0.000390)
Log urban population 1960				0.750*** (0.0505)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.0137*** (0.00415)
Change in kms of paved and gravel roads 1986-1970	0.000678 (0.00114)	0.00231* (0.00130)	0.000742 (0.00124)	0.000855 (0.00104)
Log urban population 1960				0.753*** (0.0609)
P-value for testing $\beta_2 \geq \beta_1$	.0002	.0245	.0182	.0002
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 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** (0.00100)	0.000971 (0.000949)	-0.000327 (0.000848)	-0.000355 (0.000789)
Change in kms of paved and gravel roads 1986-1970	0.000837*** (0.000212)	0.000609** (0.000253)	0.000213 (0.000247)	0.000330 (0.000238)
Log urban population 1960				0.00940 (0.0308)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00300 (0.00220)
Change in kms of paved and gravel roads 1986-1970	0.00208*** (0.000514)	0.00185*** (0.000664)	0.00103* (0.000595)	0.00113** (0.000552)
Log urban population 1960				0.00881 (0.0323)
P-value for testing $\beta_2 \geq \beta_1$	.0002	.051	.1678	.1655
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 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** (0.000963)	0.000989 (0.000813)	-0.0000768 (0.000766)	-0.000103 (0.000713)
Change in kms of paved and gravel roads 1986-1970	0.000710*** (0.000204)	0.000291 (0.000217)	-0.0000101 (0.000223)	0.000124 (0.000215)
Log urban population 1960				0.0266 (0.0279)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00542** (0.00213)
Change in kms of paved and gravel roads 1986-1970	0.00186*** (0.000526)	0.00105* (0.000572)	0.000734 (0.000561)	0.000884* (0.000533)
Log urban population 1960				0.0276 (0.0312)
P-value for testing $\beta_2 \geq \beta_1$	0	.0079	.0127	.0075
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

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

### 1.3.5 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 (0.000146)	-0.0000707 (0.000139)	-0.00000564 (0.000137)	0.0000279 (0.000115)
Change in kms of paved and gravel roads 1986-1970	-0.0000788** (0.0000309)	0.0000156 (0.0000372)	-0.0000443 (0.0000400)	-0.0000499 (0.0000348)
Log urban population 1960				0.0406*** (0.00450)
P-value for testing $\beta_2 \geq \beta_1$	.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

#### Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.000401 (0.000367)	-0.000226 (0.000376)	0.000137 (0.000366)	0.000385 (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 $\beta_2 \geq \beta_1$	.7836000000000001	.7000000000000001	.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 (0.000116)	0.0000217 (0.000111)	-0.0000375 (0.000112)	-0.0000472 (0.000101)
Change in kms of paved and gravel roads 1986-1970	0.0000698*** (0.0000245)	0.0000368 (0.0000297)	0.0000597* (0.0000328)	0.0000494 (0.0000306)
Log urban population 1960				-0.0206*** (0.00396)
P-value for testing $\beta_2 \geq \beta_1$	.8451000000000001	.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

**Panel B: IV**

	(1)	(2)	(3)	(4)
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 paved and gravel roads 1986-1970	0.0000466 (0.0000521)	0.0000181 (0.0000730)	-0.0000232 (0.0000777)	-0.0000285 (0.0000710)
Log urban population 1960				-0.0206*** (0.00416)
P-value for testing $\beta_2 \geq \beta_1$	.9215000000000001	.6575000000000001	.9132	.9776
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 29: Change in share of tertiary sector labor 1991-1970

**Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000102 (0.000129)	0.0000490 (0.000127)	0.0000432 (0.000127)	0.0000192 (0.000123)
Change in kms of paved and gravel roads 1986-1970	0.00000903 (0.0000273)	-0.0000524 (0.0000340)	-0.0000155 (0.0000369)	0.000000493 (0.0000372)
Log urban population 1960				-0.0200*** (0.00482)
P-value for testing $\beta_2 \geq \beta_1$	.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

**Panel B: IV**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000725** (0.000334)	0.000316 (0.000347)	0.000251 (0.000339)	0.000142 (0.000329)
Change in kms of paved and gravel roads 1986-1970	0.0000955 (0.0000599)	0.0000336 (0.0000847)	0.0000313 (0.0000861)	0.0000330 (0.0000826)
Log urban population 1960				-0.0200*** (0.00484)
P-value for testing $\beta_2 \geq \beta_1$	.0182	.1794	.2295	.3528
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

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

### 1.3.6 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 (0.00109)	0.000303 (0.00108)	-0.000779 (0.00107)	-0.00124 (0.00110)
Change in kms of paved and gravel roads 1986-1970	-0.000226 (0.000243)	-0.000126 (0.000290)	-0.000581* (0.000311)	-0.000692** (0.000326)
Log urban population 1960				0.0680 (0.0430)
P-value for testing $\beta_2 \geq \beta_1$	.133	.346	.5747	.6938000000000001
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* (0.00300)	0.00189 (0.00316)	0.00317 (0.00297)	0.00241 (0.00314)
Change in kms of paved and gravel roads 1986-1970	0.0000490 (0.000570)	-0.000122 (0.000747)	-0.0000426 (0.000737)	-0.000148 (0.000749)
Log urban population 1960				0.0667 (0.0441)
P-value for testing $\beta_2 \geq \beta_1$	.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*** (0.000456)	0.000888** (0.000448)	0.000709* (0.000423)	0.000660* (0.000377)
Change in kms of paved and gravel roads 1986-1970	-0.0000659 (0.0000967)	-0.0000333 (0.000120)	-0.000250** (0.000123)	-0.000334*** (0.000114)
Log urban population 1960				0.0454*** (0.0147)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00346*** (0.00112)
Change in kms of paved and gravel roads 1986-1970	0.000388* (0.000230)	0.000402 (0.000319)	0.000176 (0.000311)	0.000118 (0.000281)
Log urban population 1960				0.0457*** (0.0164)
P-value for testing $\beta_2 \geq \beta_1$	0	.0009	.0007	.0003
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 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*** (0.000611)	0.000813 (0.000540)	0.000491 (0.000546)	0.000691 (0.000516)
Change in kms of paved and gravel roads 1986-1970	-0.000118 (0.000129)	-0.0000880 (0.000144)	-0.000427*** (0.000159)	-0.000458*** (0.000156)
Log urban population 1960				0.0703*** (0.0202)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00444*** (0.00153)
Change in kms of paved and gravel roads 1986-1970	0.000437 (0.000316)	0.0000901 (0.000367)	0.000161 (0.000399)	0.000139 (0.000383)
Log urban population 1960				0.0707*** (0.0224)
P-value for testing $\beta_2 \geq \beta_1$	0	.0069	.0024	.0007
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 33: Change in log salary workers 1991-1970

**Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00126** (0.000501)	0.000808* (0.000471)	0.000888** (0.000435)	0.000798* (0.000440)
Change in kms of paved and gravel roads 1986-1970	0.000221** (0.000106)	0.000119 (0.000126)	-0.0000891 (0.000127)	-0.000116 (0.000133)
Log urban population 1960				0.0184 (0.0172)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00341*** (0.00125)
Change in kms of paved and gravel roads 1986-1970	0.000616** (0.000259)	0.000321 (0.000333)	0.000176 (0.000310)	0.000167 (0.000314)
Log urban population 1960				0.0192 (0.0184)
P-value for testing $\beta_2 \geq \beta_1$	0	.0009	.0019	.0016
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 34: Change in log unpaid workers 1991-1970

**Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000435 (0.000898)	-0.000152 (0.000899)	-0.000389 (0.000900)	-0.0000825 (0.000886)
Change in kms of paved and gravel roads 1986-1970	-0.000582*** (0.000191)	-0.000508** (0.000242)	-0.000784*** (0.000263)	-0.000686** (0.000266)
Log urban population 1960				0.145*** (0.0343)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00574** (0.00247)
Change in kms of paved and gravel roads 1986-1970	-0.000458 (0.000419)	-0.000662 (0.000595)	-0.000188 (0.000642)	-0.000115 (0.000632)
Log urban population 1960				0.148*** (0.0372)
P-value for testing $\beta_2 \geq \beta_1$	.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

Standard errors in parentheses

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

### 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 (0.0000155)	0.00000341 (0.0000145)	-0.00000726 (0.0000146)	-0.0000100 (0.0000146)
Change in kms of paved and gravel roads 1986-1970	-0.00000624* (0.00000329)	-0.000000674 (0.00000388)	-0.00000570 (0.00000427)	-0.00000683 (0.00000442)
Log urban population 1960				0.00195*** (0.000572)
P-value for testing $\beta_2 \geq \beta_1$	.0503	.389	.543	.5871000000000001
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** (0.0000404)	0.0000406 (0.0000395)	0.0000765* (0.0000415)	0.0000874** (0.0000425)
Change in kms of paved and gravel roads 1986-1970	0.00000196 (0.00000724)	0.00000654 (0.00000964)	0.00000855 (0.0000105)	0.00000815 (0.0000107)
Log urban population 1960				0.00196*** (0.000625)
P-value for testing $\beta_2 \geq \beta_1$	.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

Standard errors in parentheses

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

Table 36: Change in share of inactive 1991-1970

**Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.0000422 (0.0000837)	0.00000817 (0.0000819)	0.00000525 (0.0000803)	0.000000487 (0.0000676)
Change in kms of paved and gravel roads 1986-1970	-0.0000344* (0.0000177)	-0.00000676 (0.0000219)	-0.00000517 (0.0000234)	-0.0000213 (0.0000204)
Log urban population 1960				0.00267 (0.00264)
P-value for testing $\beta_2 \geq \beta_1$	.5387000000000001	.4276	.4475	.3722
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.01203	0.1053	0.3120	0.3477
Observations	311	311	311	287

**Panel B: IV**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	-0.000273 (0.000212)	0.0000823 (0.000223)	0.0000148 (0.000214)	-0.0000593 (0.000181)
Change in kms of paved and gravel roads 1986-1970	-0.0000204 (0.0000379)	0.0000614 (0.0000545)	0.0000167 (0.0000543)	-0.00000396 (0.0000454)
Log urban population 1960				0.00255 (0.00266)
P-value for testing $\beta_2 \geq \beta_1$	.9078000000000001	.4579	.5041	.6447000000000001
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** (0.000858)	0.000620 (0.000756)	-0.000403 (0.000661)	-0.000319 (0.000614)
Change in kms of paved and gravel roads 1986-1970	0.000532*** (0.000182)	0.000379* (0.000202)	-0.0000203 (0.000193)	0.0000503 (0.000185)
Log urban population 1960				0.141*** (0.0240)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00412** (0.00180)
Change in kms of paved and gravel roads 1986-1970	0.00155*** (0.000454)	0.00121** (0.000530)	0.000543 (0.000472)	0.000647 (0.000453)
Log urban population 1960				0.142*** (0.0265)
P-value for testing $\beta_2 \geq \beta_1$	0	.0262	.0529	.0142
Cragg-Donald (multivariate) F-stat	25.2128	18.1634	19.0977	17.7862
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

Standard errors in parentheses

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

### 1.3.9 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** (0.000736)	0.00116* (0.000672)	0.000882 (0.000665)	0.000859 (0.000648)
Change in kms of paved and gravel roads 1986-1970	0.000535*** (0.000156)	0.000248 (0.000181)	-0.000249 (0.000194)	-0.000358* (0.000196)
Log urban population 1960				-0.0632** (0.0254)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00218 (0.00174)
Change in kms of paved and gravel roads 1986-1970	0.000849** (0.000353)	0.0000329 (0.000444)	-0.000203 (0.000456)	-0.000273 (0.000437)
Log urban population 1960				-0.0626** (0.0256)
P-value for testing $\beta_2 \geq \beta_1$	.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

Standard errors in parentheses

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

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 (0.00101)	0.000525 (0.00102)	0.000726 (0.000985)	0.000622 (0.000937)
Change in kms of paved and gravel roads 1986-1970	0.000380* (0.000229)	0.000362 (0.000288)	0.000251 (0.000307)	0.000187 (0.000294)
Log urban population 1960				0.129*** (0.0385)
P-value for testing $\beta_2 \geq \beta_1$	.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

**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)	0.00682** (0.00276)
Change in kms of paved and gravel roads 1986-1970	0.00180*** (0.000655)	0.00205** (0.000969)	0.00190** (0.000887)	0.00149* (0.000819)
Log urban population 1960				0.116*** (0.0438)
P-value for testing $\beta_2 \geq \beta_1$	.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

Standard errors in parentheses

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

### 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 (0.0000474)	-0.0000264 (0.0000469)	0.00000628 (0.0000421)	0.0000108 (0.0000383)
Change in kms of paved and gravel roads 1986-1970	-0.0000101 (0.0000100)	0.00000165 (0.0000125)	-0.0000208* (0.0000123)	-0.0000273** (0.0000116)
Log urban population 1960				0.0125*** (0.00149)
P-value for testing $\beta_2 \geq \beta_1$	.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

#### Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.000139 (0.000120)	0.0000187 (0.000127)	-0.0000914 (0.000114)	-0.0000193 (0.000103)
Change in kms of paved and gravel roads 1986-1970	0.00000880 (0.0000215)	0.0000235 (0.0000309)	-0.0000459 (0.0000289)	-0.0000529** (0.0000258)
Log urban population 1960				0.0125*** (0.00151)
P-value for testing $\beta_2 \geq \beta_1$	.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 A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00000713 (0.0000113)	-0.00000106 (0.0000112)	0.00000428 (0.0000111)	0.00000616 (0.0000103)
Change in kms of paved and gravel roads 1986-1970	-0.00000107 (0.00000239)	0.00000137 (0.00000299)	-0.00000198 (0.00000323)	-0.00000169 (0.00000309)
Log urban population 1960				0.00311*** (0.000401)
P-value for testing $\beta_2 \geq \beta_1$	.2268	.5861000000000001	.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

**Panel B: IV**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0000666** (0.0000295)	0.0000338 (0.0000308)	0.0000308 (0.0000298)	0.0000466* (0.0000281)
Change in kms of paved and gravel roads 1986-1970	0.00000718 (0.00000529)	0.0000105 (0.00000753)	0.00000101 (0.00000757)	-0.000000253 (0.00000705)
Log urban population 1960				0.00313*** (0.000413)
P-value for testing $\beta_2 \geq \beta_1$	.0127	.1969	.1268	.0289
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

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

## 1.4 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*** (0.000633)	0.00200*** (0.000578)	0.00155*** (0.000563)	0.00130*** (0.000495)
Change in kms of paved and gravel roads 1986-1954	0.0000362 (0.000155)	-0.0000571 (0.000170)	-0.000244 (0.000183)	-0.000345** (0.000171)
Change in kms of paved and gravel roads 1986-1954 × Change in kms of railroads 1986-1960	-0.00000163 (0.00000107)	-0.000000494 (0.000000975)	-0.000000831 (0.000000987)	-0.00000113 (0.000000889)
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

### Panel B: IV

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1960	0.00670*** (0.00127)	0.00336*** (0.00120)	0.00406*** (0.00120)	0.00343*** (0.00104)
Change in kms of paved and gravel roads 1986-1954	-0.000244 (0.000437)	-0.0000296 (0.000296)	-0.000315 (0.000301)	-0.000429 (0.000264)
Change in kms of paved and gravel roads 1986-1954 × Change in kms of railroads 1986-1960	-0.00000551 (0.00000406)	0.000000952 (0.00000250)	-0.00000342 (0.00000248)	-0.00000429** (0.00000214)
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	311	311	311	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*** (0.000638)	0.000598 (0.000612)	0.000441 (0.000625)	0.000242 (0.000596)
Change in kms of paved and gravel roads 1986-1954	0.0000416 (0.000177)	-0.0000406 (0.000196)	-0.000195 (0.000217)	-0.000195 (0.000206)
Change in kms of paved and gravel roads 1986-1954 × Change in kms of railroads 1986-1960	-0.00000125 (0.00000112)	-0.000000288 (0.00000107)	-0.000000845 (0.00000113)	-0.000000789 (0.00000107)
Log 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

### Panel B: IV

	(1)	(2)	(3)	(4)
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 paved and gravel roads 1986-1954	0.0000446 (0.000429)	0.000126 (0.000317)	-0.000154 (0.000335)	-0.000279 (0.000319)
Change in kms of paved and gravel roads 1986-1954 × Change in kms of railroads 1986-1960	-0.00000472 (0.00000390)	-0.00000104 (0.00000269)	-0.00000394 (0.00000273)	-0.00000481* (0.00000260)
Log urban population 1960				-0.128*** (0.0270)
F-stat first stage	8.930900000000001	15.4207	15.6859	15.7466
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 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** (0.00320)	0.000594 (0.00260)	0.00249 (0.00245)	0.00135 (0.00183)
Change in kms of paved and gravel roads 1986-1970	-0.00176*** (0.000593)	0.000239 (0.000582)	-0.00132** (0.000630)	-0.00125** (0.000504)
Change in kms of paved and gravel roads 1986-1970 $\times$ Change in kms of railroads 1986-1970	-0.0000154** (0.00000783)	-0.000000271 (0.00000626)	-0.00000717 (0.00000610)	-0.00000375 (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
Observations	311	311	311	287

**Panel B: IV**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0273*** (0.0102)	0.0209** (0.00875)	0.0227** (0.00951)	0.0222*** (0.00741)
Change in kms of paved and gravel roads 1986-1970	-0.00263 (0.00332)	-0.00225 (0.00218)	-0.00462* (0.00238)	-0.00284 (0.00196)
Change in kms of paved and gravel roads 1986-1970 $\times$ Change in kms of railroads 1986-1970	-0.0000534 (0.0000498)	-0.0000617** (0.0000277)	-0.0000710** (0.0000300)	-0.0000486** (0.0000243)
Log urban population 1960				0.729*** (0.0640)
F-stat first stage	2.3319	6.6961	5.7249	5.1662
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 45: Change in log secondary sector labor 1991-1970

**Panel A: OLS**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00239* (0.00137)	0.000374 (0.00134)	0.0000656 (0.00120)	-0.0000667 (0.00112)
Change in kms of paved and gravel roads 1986-1970	0.000785*** (0.000255)	0.000710** (0.000300)	0.000128 (0.000309)	0.000259 (0.000308)
Change in kms of paved and gravel roads 1986-1970 $\times$ Change in kms of railroads 1986-1970	-0.00000125 (0.00000336)	0.00000204 (0.00000323)	-0.00000138 (0.00000299)	-0.00000104 (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

**Panel B: IV**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.00930* (0.00525)	0.00346 (0.00452)	0.00264 (0.00412)	0.00299 (0.00380)
Change in kms of paved and gravel roads 1986-1970	0.00311* (0.00171)	0.00299*** (0.00113)	0.00117 (0.00103)	0.00113 (0.00101)
Change in kms of paved and gravel roads 1986-1970 $\times$ Change in kms of railroads 1986-1970	0.0000166 (0.0000257)	0.0000155 (0.0000143)	0.00000195 (0.0000130)	6.08e-08 (0.0000125)
Log urban population 1960				0.00884 (0.0329)
F-stat first stage	2.3319	6.6961	5.7249	5.1662
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 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** (0.00132)	0.000770 (0.00115)	0.000300 (0.00109)	-0.0000806 (0.00101)
Change in kms of paved and gravel roads 1986-1970	0.000564** (0.000244)	0.000328 (0.000257)	-0.0000919 (0.000279)	0.000118 (0.000278)
Change in kms of paved and gravel roads 1986-1970 $\times$ Change in kms of railroads 1986-1970	-0.00000350 (0.00000323)	0.000000749 (0.00000277)	-0.00000132 (0.00000270)	-8.30e-08 (0.00000259)
Log urban population 1960				0.0265 (0.0279)
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
R-squared	0.05020	0.3572	0.5434	0.5725
Observations	311	311	311	287

**Panel B: IV**

	(1)	(2)	(3)	(4)
Change in kms of railroads 1986-1970	0.0166*** (0.00460)	0.00576 (0.00363)	0.00830** (0.00391)	0.00898** (0.00381)
Change in kms of paved and gravel roads 1986-1970	0.000630 (0.00150)	0.00120 (0.000904)	-0.000602 (0.000979)	-0.000670 (0.00101)
Change in kms of paved and gravel roads 1986-1970 $\times$ Change in kms of railroads 1986-1970	-0.0000200 (0.0000225)	0.00000197 (0.0000115)	-0.0000177 (0.0000123)	-0.0000204 (0.0000125)
Log urban population 1960				0.0174 (0.0330)
F-stat first stage	2.3319	6.6961	5.7249	5.1662
Geographic controls	No	Yes	Yes	Yes
Province FE	No	No	Yes	Yes
Observations	311	311	311	287

Standard errors in parentheses

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