

```

* -----
* Project: The Effect of Information and Communication Technologies
*          on Urban Structure
*          published in: Economic Policy, April 2008, pp. 201 - 242
* Authors: Yannis M. Ioannides, Henry G. Overman,
*          Esteban Rossi-Hansberg, and Kurt Schmidheiny
* Date:    December 7, 2007
* File:    countries_codebook.txt
* Title:   Description of the data file countries.dta
* -----

```

```

-----
countrycode                                     3 letter country code, World Bank
-----

```

```

        type:  string (str11), but longest is str3
unique values: 28                                missing "": 0/1260
examples:     "CHE"
              "GBR"
              "MEX"
              "RUS"

```

```

-----
year                                             Year
-----

```

```

        type:  numeric (float)
        range: [1960,2004]                      units: 1
unique values: 45                                missing .: 0/1260
        mean:   1982
        std. dev: 12.9923
percentiles:   10%      25%      50%      75%      90%
               1964     1971     1982     1993     2000

```

```

-----
countryname                                     Country name, World Bank
-----

```

```

        type:  string (str44), but longest is str21
unique values: 28                                missing "": 0/1260
examples:     "Croatia"
              "Hungary"
              "Poland"
              "Spain"
        warning: variable has embedded blanks

```

```

-----
countryid                                       Country number, Kurt
-----

```

```

        type:  numeric (int)
        range: [12,305]                          units: 1
unique values: 29                                missing .: 0/1260
        mean:   116.46
        std. dev: 71.1718
percentiles:   10%      25%      50%      75%      90%
               19       51.5     130     168     197

```

```

-----
africa                                         Is in Africa
-----

```

```

        type:  numeric (float)
        range: [0,0]                              units: 1
unique values: 1                                missing .: 0/1260
        tabulation: Freq. Value

```

1260 0

```
-----
asia                                                    Is in Asia
-----

      type:  numeric (float)

      range:  [0,0]                      units:  1
unique values: 1                      missing .:  0/1260

      tabulation:  Freq.  Value
                   1260  0

-----

northamerica                                           Is in North America
-----

      type:  numeric (float)

      range:  [0,1]                      units:  1
unique values: 2                      missing .:  0/1260

      tabulation:  Freq.  Value
                   1125  0
                   135   1

-----

southamerica                                           Is in South America
-----

      type:  numeric (float)

      range:  [0,0]                      units:  1
unique values: 1                      missing .:  0/1260

      tabulation:  Freq.  Value
                   1260  0

-----

europe                                                  Is in Europe
-----

      type:  numeric (float)

      range:  [0,1]                      units:  1
unique values: 2                      missing .:  0/1260

      tabulation:  Freq.  Value
                   135   0
                   1125  1

-----

oceania                                                Is in Oceania
-----

      type:  numeric (float)

      range:  [0,0]                      units:  1
unique values: 1                      missing .:  0/1260

      tabulation:  Freq.  Value
                   1260  0

-----

agriva          Agriculture, value added, % of GDP (WDI NV.AGR.TOTL.ZS)
-----

      type:  numeric (float)

      range:  [.00969259,.27833599]      units:  1.000e-10
unique values: 744                      missing .:  515/1260

      mean:    .069892
      std. dev: .053909

      percentiles:      10%      25%      50%      75%      90%
                       .021364 .032058 .050291 .092957 .149995
```

eu	Is member of EU/EC in this year
----	---------------------------------

```

type: numeric (float)

range: [0,1]          units: 1
unique values: 2      missing .: 0/1260

tabulation: Freq. Value
              924  0
              336  1

```

euyear	Year of entry into EU/EC
--------	--------------------------

```

type: numeric (int)

range: [1961,2007]    units: 1
unique values: 7      missing .: 450/1260

tabulation: Freq. Value
              180 1961
               90 1973
               45 1981
               90 1986
              135 1995
              180 2004
               90 2007
              450 .

```

gdppcPPP	GDP per capita, PPP, constant 2000 international \$ (WDI NY.GDP.PCAP.PP.KD)
----------	---

```

type: numeric (float)

range: [3476.234,36464.68]  units: .001
unique values: 693          missing .: 567/1260

mean: 17653.6
std. dev: 7716.44

percentiles:      10%      25%      50%      75%      90%
                  6761.56 10678.9 18301.1 23508.8 27605

```

govexp	Expense, % of GDP [Government expense] (WDI GC.XPN.TOTL.GD.ZS)
--------	--

```

type: numeric (float)

range: [.13345461,.53504407] units: 1.000e-08
unique values: 186          missing .: 1074/1260

mean: .336315
std. dev: .090412

percentiles:      10%      25%      50%      75%      90%
                  .198575 .268721 .36124  .404211 .437152

```

govexp_ktsoo	Expenditure, total, % of GDP (WDI GB.XPD.TOTL.GD.ZS via KT Soo)
--------------	---

```

type: numeric (float)

range: [.17877311,.54702836] units: 1.000e-08
unique values: 54          missing .: 1206/1260

mean: .385135
std. dev: .08511

percentiles:      10%      25%      50%      75%      90%
                  .236687 .336157 .400634 .422751 .498882

```

internet	Internet users, per 1000 people (WDI IT.NET.USER.P3)
----------	--

```

-----
type: numeric (float)

range: [.00489716,573.07391] units: 1.000e-10
unique values: 338 missing .: 922/1260

mean: 108.318
std. dev: 145.383

percentiles:      10%      25%      50%      75%      90%
                 .749559  5.27403  29.8686  167.566  352.437

```

```

-----
landarea Land area, sq. km (WDI AG.LND.TOTL.K2)
-----

```

```

type: numeric (double)

range: [30230,16888500] units: 10
unique values: 69 missing .: 213/1260

mean: 1.2e+06
std. dev: 3.1e+06

percentiles:      10%      25%      50%      75%      90%
                 39550  82710  230340  411620  1.9e+06

```

```

-----
monopriv Dummy if monopoly of private telecommunications operator (OECD & other)
-----

```

```

type: numeric (float)

range: [0,1] units: 1
unique values: 2 missing .: 477/1260

tabulation: Freq. Value
             735  0
             48  1
             477  .

```

```

-----
monoprivyear Year monopoly of private telecommunications operator ends (OECD & other)
-----

```

```

type: numeric (float)

range: [-1,1995] units: 1
unique values: 4 missing .: 477/1260

tabulation: Freq. Value
             667 -1
             29 1981
             58 1984
             29 1995
             477  .

```

```

-----
monopub Dummy if monopoly of public telecommunications operator (OECD & other)
-----

```

```

type: numeric (float)

range: [0,1] units: 1
unique values: 2 missing .: 477/1260

tabulation: Freq. Value
             209  0
             574  1
             477  .

```

```

-----
monopubyear Year monopoly of public telecommunications operator ends (OECD & other)
-----

```

```

type: numeric (float)

range: [-1,9999] units: 1

```

unique values: 11 missing .: 477/1260

mean: 3183.48
std. dev: 3324.99

percentiles:	10%	25%	50%	75%	90%
	-1	1994	1998	2002	9999

nafta Is member of NAFTA in this year

type: numeric (float)

range: [0,1] units: 1
unique values: 2 missing .: 0/1260

tabulation:	Freq.	Value
	1227	0
	33	1

naftayear Year of entry into NAFTA

type: numeric (int)

range: [1994,1994] units: 1
unique values: 1 missing .: 1125/1260

tabulation:	Freq.	Value
	135	1994
	1125	.

oecdyear Year of entry into OECD

type: numeric (int)

range: [1961,2000] units: 1
unique values: 7 missing .: 315/1260

tabulation:	Freq.	Value
	630	1961
	45	1962
	45	1969
	45	1994
	45	1995
	90	1996
	45	2000
	315	.

phones Telephone mainlines, per 1000 people (WDI IT.MLT.MAIN.P3)

type: numeric (float)

range: [27.931568,757.61224] units: 1.000e-06
unique values: 768 missing .: 492/1260

mean: 326.42
std. dev: 193.292

percentiles:	10%	25%	50%	75%	90%
	78.5237	145.263	322.518	483.191	591.127

pop Country population, total (WDI SP.POP.TOTL)

type: numeric (double)

range: [3580998,2.937e+08] units: 1
unique values: 1230 missing .: 0/1260

mean: 3.3e+07
std. dev: 4.9e+07

percentiles:	10%	25%	50%	75%	90%
	4.7e+06	7.9e+06	1.0e+07	4.1e+07	5.9e+07

regref	OECD RegRef indicator, overall infrastructure
--------	---

type:	numeric (float)				
range:	[1.0497141,6]	units:	1.000e-07		
unique values:	301	missing .:	796/1260		
mean:	4.23836				
std. dev:	1.3089				
percentiles:	10%	25%	50%	75%	90%
	2.2799	3.16283	4.50858	5.45107	5.66507

regref_airlines	OECD RegRef indicator, airlines
-----------------	---------------------------------

type:	numeric (float)				
range:	[0,6]	units:	1.000e-08		
unique values:	124	missing .:	787/1260		
mean:	3.98597				
std. dev:	2.03928				
percentiles:	10%	25%	50%	75%	90%
	.978	1.8	4.52799	6	6

regref_elecricity	OECD RegRef indicator, electricity
-------------------	------------------------------------

type:	numeric (float)				
range:	[0,6]	units:	1.000e-09		
unique values:	43	missing .:	796/1260		
mean:	4.57771				
std. dev:	1.58629				
percentiles:	10%	25%	50%	75%	90%
	2	4.16667	5	5.5	6

regref_gas	OECD RegRef indicator, gas
------------	----------------------------

type:	numeric (float)				
range:	[.35,6]	units:	.001		
unique values:	75	missing .:	680/1260		
mean:	4.29624				
std. dev:	1.45603				
percentiles:	10%	25%	50%	75%	90%
	1.45	4	4.5	5.45	5.75

regref_post	OECD RegRef indicator, post
-------------	-----------------------------

type:	numeric (float)				
range:	[2.2184999,6]	units:	1.000e-07		
unique values:	65	missing .:	783/1260		
mean:	4.08227				
std. dev:	1.01751				
percentiles:	10%	25%	50%	75%	90%
	2.937	3.6555	3.6555	4.9575	6

regref_rail	OECD RegRef indicator, rail
-------------	-----------------------------

```

type: numeric (float)
range: [.375,6]
unique values: 46
units: .0001
missing .: 787/1260

mean: 5.26546
std. dev: 1.19322

percentiles:      10%      25%      50%      75%      90%
                  3        5.25      6        6        6

```

regref_road	OECD RegRef indicator, roads
-------------	------------------------------

```

type: numeric (float)
range: [0,6]
unique values: 62
units: 1.000e-08
missing .: 775/1260

mean: 3.16315
std. dev: 2.35

percentiles:      10%      25%      50%      75%      90%
                  .492258 .984516 2.50774      6        6

```

regref_telecom	OECD RegRef indicator, telecom
----------------	--------------------------------

```

type: numeric (float)
range: [.16045849,6]
unique values: 229
units: 1.000e-08
missing .: 782/1260

mean: 4.37097
std. dev: 1.93904

percentiles:      10%      25%      50%      75%      90%
                  1.25441 2.5097 5.65718      6        6

```

roads	Roads, km (WDI 1990-, World Road Statistics 1967-1989)
-------	--

```

type: numeric (double)
range: [17135,6378154]
unique values: 742
units: .1
missing .: 467/1260

mean: 465092
std. dev: 1.3e+06

percentiles:      10%      25%      50%      75%      90%
                  42440 71437 116070 301307 801085

```

trade	Trade, % of GDP (WDI NE.TRD.GNFS.ZS)
-------	--------------------------------------

```

type: numeric (float)
range: [.09629878,1.680267]
unique values: 869
units: 1.000e-09
missing .: 391/1260

mean: .658316
std. dev: .308176

percentiles:      10%      25%      50%      75%      90%
                  .285832 .4568 .607267 .793727 1.11284

```