

# Use IFs (Download): Infrastructure

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Information on the data and equations used in the *Infrastructure* displays can be found in the wiki page on the Infrastructure sub-module.

The *Infrastructure Profile* specialized display can be found from the **Main Menu** by hovering over the display option, then over the **Specialized Display for Issues** sub-option, and clicking on the *Infrastructure Profile* sub-sub-option.

The *Infrastructure Profile* page shows the computed value for a number of infrastructure related variables for a specific year, country or region, and scenario. It also shows the expected value based upon the selected country or regions GDP per capita at PPP which is shown near the top of the screen. This expected value is calculated from a regression function (line of best fit) of GDP per capita at PPP and the selected variable for all countries. This page also displays the standard error of the regression function (Estimate) and the standard error of the specific computed value (Value from Prediction).

Infrastructure Profile				
Continue Using Country/Regions Help				
Countries or Regions	Kenya	Select Year	2030	Click on variable name to get options for additional information. Click on any row Weighting to change it and on any row Rank to see a full country list.
Select File:	0 - Working File, based on IFBase run 4b	GDP per Capita	5.24	
	Computed Value	Expected Value Predicted from GDP per Capita at PPP	Standard Error (SE) of Estimate	Standard Errors of Value from Prediction
<b>Transportation</b>				
Roads per capita (km.)	2668	6428	7831	-0.4801
Paved Roads (% of total)	29.15	47.46	26.82	-0.6838
Rural Access Index (% of rural population)	70.93	68.33	15.88	0.1642
<b>Energy</b>				
Generation Capacity per Capita (kw)	0.104	0.3995	0.73	-0.4047
Transmission Loss (%)	16.97	13.22	8.75	0.2
Electricity Access - National (% of population)	81.81	68.13	18.85	0.7256
Electricity Access - Urban (% of population)	97.49	81.84	15.92	0.9956
Electricity Access - Rural (% of population)	74.36	58.19	22.51	0.7184
<b>Water and Sanitation</b>				
Access to Water - Piped (% of population)	45.1	57.62	18.92	-0.9619
Access to Water - Other Improved (% of population)	36.39	27.53	15.66	0.2083
Access to Water - Unimproved (% of population)	24.11	14.85	11.16	0.8298
Access to Sanitation - Improved (% of population)	43.85	68.47	17.24	-1.438
Access to Sanitation - Shared (% of population)	24.17	7.937	7.43	1.778
Access to Sanitation - Unimproved (% of population)	34.98	23.58	15.83	0.7202
Wastewater Collected (% of population)	2.506	42.4	16.63	-2.098
Wastewater Treated (% of population)	7.398	34.2	16.04	-1.664
Area Equipped for Irrigation (% of Cropland and Grazing Land)	0.67	8.631	13.09	-0.6082
<b>ICT</b>				
Percentage of networked persons	12.84	16.31	10.65	-0.0437
Mobile Telephone Subscriptions (per 100 persons)	149.7	84.62	29.59	2.198
Fixed Broadband Subscriptions (per 100 persons)	2.295	3.689	6.57	0.2493
Mobile Broadband Subscriptions (per 100 persons)	124.5	7.394	18.04	6.404
<b>Infrastructure Indices</b>				
Traditional (standard errors: World = 0 in 2010)	-0.49	-0.0957	0.38	-1.038
Moderns (standard errors: World = 0 in 2010)	0.0418	-0.1018	0.48	0.2992
Moderns (0-100)	62.72	24.2	8.45	4.56
Overall (standard errors: World = 0 in 2010)	-0.38	-0.0973	0.37	-0.7101

This shows an example of the Infrastructure Profile specialized display page for Kenya in 2030.

There are several options and features on this page:

- **Continue:** Go back to the previous menu or to the Main Menu of IFs.
- **Using Groups** or **Using Countries/Regions:** Click **Switch** to change between displaying groups or countries and regions. If groups are currently selected then **Using Groups** will be displayed on the tool bar and vice versa.
- **Help:** Open the corresponding page in the Pardee Wiki with the current feature or display they are using.

Display Option Fields:

- **Groups** or **Countries or Regions:** Choose the desired country or region, or group form

the drop down.

- **Select Year:** Choose the desired year to display from the drop down.
- **Select File:** Choose the desired saved scenario to display from the drop down.

Click on one of the computed values to open a table of that variable forecasted through 2050 for all the scenarios loaded onto the current version of IFs. Click on the variable name to open a graph that displays the current GDP per capital and the computed value for the selected variable and country or group; and a line graph of the expected value of the variable for varying levels of GDP per capita.

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