Analysis of Access to Electricity by Urban Population of Five Countries 2014-2017

The size of Population changes at different rates in the different regions. However, population growth is the traditional trend on all the populated areas, also in the most separate states. Throughout the world the population is increasing rapidly, with the continuous increase in the annual % growth of population the rate of urban population is also increasing which will have a strong impact on Access to Electricity. Access to Electricity by urban population is calculated by the data. Data includes :Access to electricity (% of population), Population growth (annual %), Urban population, etc…. different studies are conducted but, no significant relationships between components were discovered. The most interesting findings are described in the following sections below.

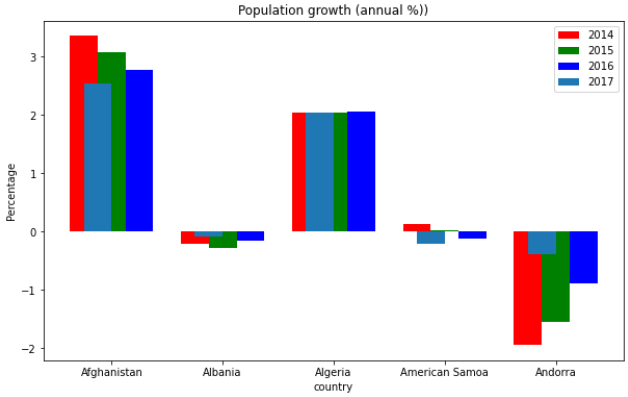

Fig.1 Population Growth Annually (%)

The annual population % growth of five countries from 2014-2017 are shown in (fig.1) which tells that the **country** Afghanistan has the highest growth rate (percentage) for all year from the other countries.

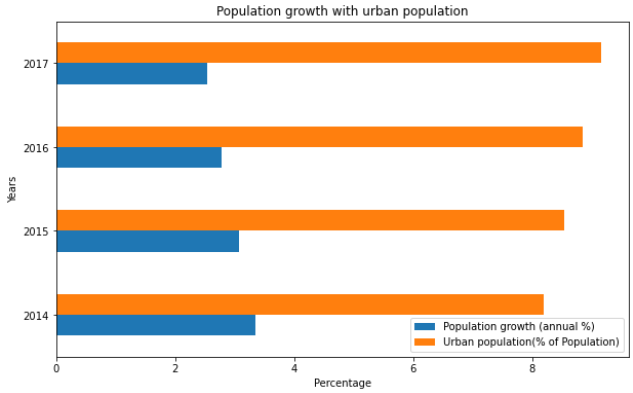

Fig.2Population Growth Annually with Urban Population Rate (%)

The **urban** population rate is continuously increasing as the rate of the annual growth population increasing. The (fig.2) shows that in year 2017 annual the population was high, but the urban population rate was low as compared to the year 2014.In 2014 urban population rate was high from the rate of urban in 2017.

Many people like to live in cities from the world as compared to rural areas. In 2017, urbanization reported around (56.2 %) from the overall population. Semi of the population live in town with populations that are less than of 5K people with that the effect of access to electricity was increased.

	2014 [YR2014]	2015 [YR2015]	2016 [YR2016]	2017 [YR2017]
count	15.000000	15.000000	15.000000	15.000000
mean	93.052331	90.587882	94.652742	94.811555
std	18.811686	20.436881	17.829387	17.346601
min	26.700001	28.600000	30.299999	32.200001
25%	97.602435	97.778989	98.194450	98.518618
50%	99.710000	100.000000	99.800000	99.615135
75%	100.000000	100.000000	100.000000	100.000000
max	100.000000	100.000000	100.000000	100.000000

Table.1 Years Statistics

As one reported and confirming that in year 2017 **Access to Electricity** has high rate with mean value **94.811555** and min value **32.20001** out of 100 shown in (Table.1).

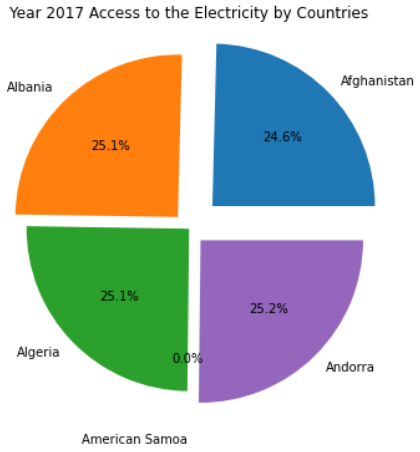

Fig.3 Access to Electricity By Countries

While looking into the factors Access to electricity by urban population in different countries in the year 2017 (fig.3) the country **(Andorra)** has the high access rate of electricity.

On the other hand, the **(American samoa)** has low access rate. A lot of focus required on the other countries.

Data: Data from WORLDBANKDATA.COM

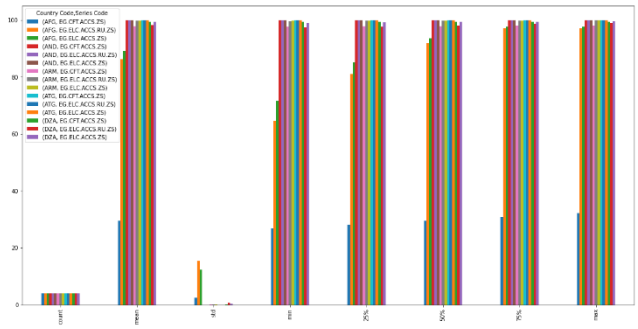

Fig.4 Indicators Statistics

By drilling down into indicators with countries the country **AND** and **ATG** has high mean value for Access to electricity than all others and for standard deviation **AFG** and **ARM** has high value than other countries. The count values of **DZA** is gradually decreasing as the value of **ARM** decrease.

Data: Data from WORLDBANKDATA.COM