# Effects of Increase population based on world bank data

For this analysis I have selected five countries from different continent and the interrelations for following factors on increase in population and the increase of energy consumption in those countries, and the correlation between total arabal land and the aricultural land on these countries.

The analysis found some correlation that can clearly be visualize by looking on the different aspects of the plot.

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| The bar graph you can visualize above is constructed with available data from the year 2021. We can visualize that the Africa western and central and the Africa eastern and southern have the same upward. Thus an increase in the energy consumption which can be visualized by visualizing the energy consumption graph on the top right corner. | The energy consumption graph shows the energy consumed on the bases of increasing in population on different countries worldwide.  The following table shows the increase energy consumption of different countries in 2021. |
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| From the correlation from heat map over the years we can clearly analyze that increase in energy consumption is increasing over the years because of increase in population. |  |

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| We can visualize the incrementation in the agricultural land due to increase in population in the arabal land thus a need of increased amount of food and other resources. We can visualize the certain change in the agricultural land by compairing it with the total land of the countries.  Compared to that of arabal land we did not have any noticeable change as visible in the arabal land in the graph. | In Africa eastern and southern we can visualize the most increase in the agricultural land .Increasing in world population is the serious concern for the environment leading the world to the poverty .  The world needs to find a solution to control this sudden increase in population day by day. |
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| The heat map on agricultural land shows the direct co-relation between the increase in population thus increasing in the population of different countries. The increase in population is in positive relation with the agriculture land because when population increases the need of things increase thus an increase in the production of crops and a need to increase the land for agriculture. | The heat map on arabal land data directly shows the difference in land occupied by the different countries which in negatively correlated with the increase in population. |