**ADS1 Assignment 1: Visualisation**

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The provided data, Food Prices for Nutrition and Youth illetrate Population which was complied by World Data Bank provides access to global statistics on the cost and affordability of healthy diets and Youth illetrate Population.

**Link to data:**

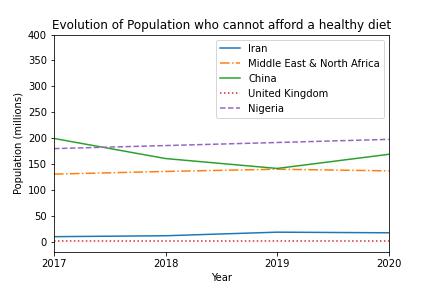
**<https://herts365-my.sharepoint.com/personal/an22adx_herts_ac_uk/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Fan22adx%5Fherts%5Fac%5Fuk%2FDocuments%2FADS1%20Assignment%20Data>**

***Or Data available in GitHub***

**GitHub Repository Link:**

<https://github.com/AnsiaNijas/ADS1Assignments.git>

# Line Plot: Evolution of Population who cannot affort a healthy diet

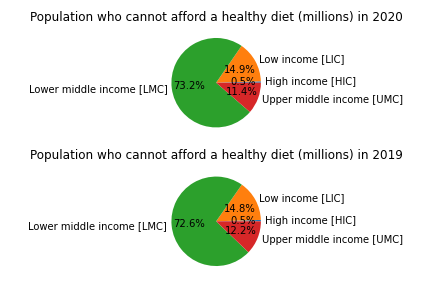
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**Figure 1: Line Plot**

The given line plot is used to track the Evolution of Population who cannot affort a healthy diet over the short and long period of time. It is also used to compare the changes over the same period of time for different countries.

According to this graph the affordability of healthy diet of Nigeria continued to rise over the 4 years period. But for China it is fell across 2017 to 2019 and rose again in 2020. The share of people unable to afford a healthy diet for Middle East & North Africa and Iran continues to increase from 2017 to 2019 and falls in 2020 where as the affordability of healthy diet of United Kingdom continues to remains same over 2017 to 2020.

# Pie Plot: Share of Population who cannot affort a healthy diet in 2020 and 2019

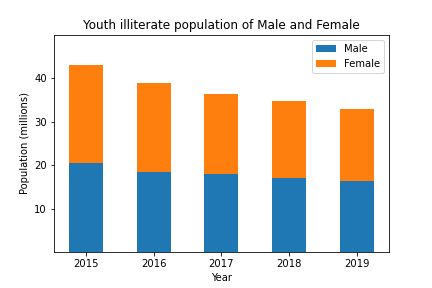


**Figure 2: PiePlot**

# The given Pie plot depicts the Share of population who cannot affort a healthy diet in 2020 and 2019.This type of data visualization chart removes the need for readers to examine or measure underlying numbers themselves, so it's a good way of presenting data that might otherwise appear in a table.

# Over 3 billion people cannot afford a healthy diet and most live in lower-middle-income countries.In 2020 in low-income countries and high income countries the percentage of people cannot afford a healthy diet was 14.9% and 0.5% which is more or less same as percentage in 2019.The highest percentage was observed in lower-middle-income countries, where the affordability of healthy diet percentage is 73.2% in 2020 and 72.6% in 2019, while in upper-middle-income countries the percentage was less at 11.4% in 2020 and 12.2% in 2019.

# Stacked Bar Plot: Youth illiterate population of Male and Female



**Figure 3: Stacked Bar Plot**

The given Stacked Bar Plot make it easy to compare Youth illetrate population of Male and Female. Although the illiteracy rates have decreased worldwide for both young men and women between 15 and 24 years, females are on average more illiterate than males. As of 2019, there is a fall of illetrate Males and Females compared to other years.