

# Population

- ***Mr. Katabarwa Perez***



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# What is population?

- Population refers to the number of people living in a given area at a particular time. It is normally taken after 10 years.
- Carrying out population census helps the government to plan social services for the population.



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# Population Concepts

- **Birth rate**. This is the number of live births per 1000 of the population per year.

$$\text{B.R} = \frac{\text{No of birth}}{\text{Total population}} \times 1000$$

- **Death Rate**. This is the number of deaths per 1000 people of the population per year

$$\text{D.R} = \frac{\text{No of death}}{\text{Total population}} \times 1000$$



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- **Population distribution.** This is the way people are spread out on the earth's surface. It is normally shown by a **dot map**
- **Population density.** This is the average number of people per sq. km

$$\text{P.D} = \frac{\text{Total population}}{\text{Total land area}}$$



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- **Life expectancy.** This is the number of years that an average person is expected to live given the social, economic and political situation of the area
  - **Dependency ratio.** This is the ratio of non working population to the working population
- Or
- It is the number of the non economically active people compared to the economically active people



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- **Fertility rate.** This is the rate at which children are born to females of child bearing age of a given population.

$$\text{F.R} = \frac{\text{No of children under 15 yrs} \times 1000}{\text{No of women aged 15-50yrs}}$$

- **Mortality rate.** This the number of death per 1000 of the total population.



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# Conclusion.

- In conclusion, population has a number of concepts that when explaining population must be brought for the learners to understand better



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