**THA 3**

1. **Research question:** What are IMR[[1]](#footnote-1) and CMR[[2]](#footnote-2) rates for India?
2. **Dataset:** DHS India 2015 -16.

The Demographic and Health Survey, administered by the DHS Program, is funded by the USAID and conducts locally administered health and demographic surveys across several countries.[[3]](#footnote-3) In India, the DHS Surveys are administered under the Ministry of Health and Family Welfare, coordinated by the International Institute for Population Sciences, Mumbai, and implemented by groups of survey organizations.[[4]](#footnote-4) Within DHS, I have specifically looked at DHS\_Birth Recode, which looks at health and demographic data for infants and children. The .dta file has been renamed to birth\_recode for ease of use. I will use variables from the dataset to generate new variables to calculate IMR and CMR.

The dataset has been uploaded on google-drive and the link to access it is below

<https://drive.google.com/open?id=1pj6io71D3k4gKKZE0y-YJ6Bmb3Yg3V-H>

1. **Data dictionary**
   1. V008: Date of Interview (cmc)
   2. B3: date of birth (cmc)
   3. b7: age at death (months, imputed)
   4. CMC: Century-Month Code system is how dates are coded in Demographic and Health Surveys. CMC reduces all months to a code taking the value of 1 in January 1900, 2 in February 1900, 13 in January 1901 etc.[[5]](#footnote-5)
   5. Age: is calculated by subtracting date of the interview from the date of birth to calculate the age of the child
   6. Child\_age: includes all age and missing values for age of children
   7. Infant\_mor: number of infants who have died when their age has been less than 12 months
   8. Child\_mor: number of children who have died when their age has been less than 5 years
   9. 0 and 1000 are used in infant\_mor and child\_mor when 0 means the infant/child is alive and 1000 means when the infant/child is not

1. Infant Mortality Rate: number of infant deaths per 1000 [↑](#footnote-ref-1)
2. Child Mortality Rate: number of child deaths per 1000 [↑](#footnote-ref-2)
3. <https://www.dhsprogram.com/What-We-Do/index.cfm> [↑](#footnote-ref-3)
4. <http://rchiips.org/nfhs/nfhs4.shtml> [↑](#footnote-ref-4)
5. <http://demographicestimation.iussp.org/content/dhs-century-month-codes> [↑](#footnote-ref-5)