

# Assignment - Numerical Expression

*Amos*

## Numerical Exploration Practical exercise

### QN 1: READING DATA

Read the csv dataset named maltreat

### QN 2: EXPLORING DATA

- How many rows and columns does the dataset have?
- List the variable names in the dataset
- List the first 6 rows of the dataset
- List the last 6 rows of the dataset
- Extract the value at row 2 and column 3
- Extract the value at column 5
- Extract the value at row 24
- Extract what the values that lie within row 12 to 14 and column 2 to 5

### QN 3: SUMMARIZING DATA

- get the mean, median, minimum, maximum, standard deviation, 25th and 75th percentile of the continuous variables
- tabulate the categorical variables
- as a single variable
- crosstabulate two or more variables

### QN 4: USING R AS A CALCULATOR

calculate 1000 minus 2 ...  
... times 10 to power 2 ...  
divide by ...  
8 plus 2

#### Calculate:

logarithm of 1.4 to base 10  
square root of 16

### QN 5: CALCULATIONS WITH STORED VARIABLES AND ASSIGNMENT STATEMENTS

store the value 100.55 in an R object named x  
display what is in the variable that you created  
calculate the logarithm of that variable x times 3 and store the result as under a new R object y