

- 1) Clear workspace. remove all objects
- 2) Set working directory. You should have "Data" directory. under this working directory
- 3) Read file Grade2.csv from "Data" directory. Call this object mydata
- 4) check head and tail and structure of the mydata
- 5) Create a new variable which is sum of Math2 and Science2. scores. Call it math\_science
- 6) Check number of rows
- 7) store this data frame in anoter variable. call it mydata2
- 8) Student ID is not useful for analysis, so remove it from mydata2
- 9) take subset of mydata2 so that only those students having Math2 score of greater than 50 will be listed
- 10) give math\_science scores of those students who have less than 60 marks in English2
- 11) List rows where English2 marks are less than 60 or OverallPct2 marks are greater than 70
- 12) Drop variable math\_science from mydata2
- 13) Store vector c(12,0,-1,49,22,15,18) in a variable x and get its length
- 14) Give the elements in x which are greater than 20
- 15) Give elements in x which are greater than 15 and less than 30
- 16) Find the index of the maximum and minimum element
- 17) Consider the vector c(NA, 1, 34, 0, NA, 15, 19). Input this vector in variable x
- 18) Check how many missing values are there
- 19) Repalce NA values with number 999