

Practical Intro-1

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Exercise 1:

Data on heights, weights and gender were collected for 10 individuals in early-adulthood. The data were reported in the table below (heights measured in cm, weights in Kg and m refers to a male gender):

id	ht	wt	gender
1	155	80	m
2	152	85	m
3	164	72	f
4	175	69	m
5	193	86	f
6	203	110	f
7	190	106	f
8	183	96	m
9	155	90	f
10	169	89	m

- Create vectors for height, weight and gender and assigned them to the names: `ht`; `wt`; `gender` respectively.
- Using `ht` and `wt` vectors, creat a new variable for the BMI (Hint: BMI is calculated by dividing weight measured in Kg by the squared height measured in **meters**)
- Show the length of the `ht` vector.
- Show a frequency table for the `gender` variable (Hint: search the help for the table function by typing in `?table`)
- Round the calculated BMI values to 2 decimel digits only.
- Create a new `data.frame` with the name `DT` that includes height, in meters, weight, in Kg, BMI, and gender.
- Add a logical variable to the `DT`, with a name of `obese` whose values are `TRUE` for subjects with weights over 95 Kg.
- Find out how many subjects with weights over 95 Kg.
- Extract the BMI for the 3rd and 5th individuals.