EPISOUTH-MADRID 16 June 2009: PRACTICE 3

 First, we are going create two functions that are not implemented in R: kurtosis and skewness

source("fskewness.R") source("fkurtosis.R")

2. Now, obtained the following summary statistics for variables in the database

Estimate/variable	Sex	Literacy	Members	Explica	Age	Case
						status
Mean						
Median						
Variance						
Standar deviation						
Kurtosis						
Skewness						

Syntax example to age:

mean(dat\$age)
median(dat\$age)
var(dat\$age)
sd(dat\$age)
kurtosis(dat\$age)
skewness(dat\$age)

- 3. Focusing on age, do you think that the parameters fit with a normal distribution?
- 4. What transformation can help to make the variable more Gaussian?
- 5. Look at the values of the variable "family members", what distribution can be appropriate to describe this variable?