

# Kurtosis Pseudocode

```
*****
KURTOSIS:
    A function that determines the kurtosis of a vector x.

Calls:
    MEAN

Called by:
    normality_finder

Input Parameters:
    x - a numerical vector

Returns:
    k - a numerical value
*****

FUNCTION    KURTOSIS(x)

    n <- LEN(x)
    av <- MEAN(x)
    quart<- (x_1 - av)^4 + (x_2 - av)^4 + ... + (x_n - av)^4
    squared <- [(x_1 - av)^2 + (x_2 - av)^2 + ... + (x_n - av)^2]^2
    k <- n * quart/squared
    RETURN(k)

ENDFUNCTION
```