Daily Question – Applied Mathematics - Day 8

Topic: Outliers

Data for the daily mean windspeed (in knots) in Leuchars is July 1987 is taken from the large data set.

3	4	5	5	5	5	5	5	5	5	6
6	6	7	7	7	8	8	8	8	9	9
9	9	10	11	11	12	15	16	19		

a Calculate the median and the interquartile range. **(3 marks)**

An outlier is defined as a value which lies either 1.5 × the interquartile range above the upper quartile or 1.5 × the interquartile range below the lower quartile.

b Determine whether there are any outliers in the data. **(2 marks)**