## 1. Problem

For the 49 observations of the variable x in the data file boxhist.csv draw a histogram, a boxplot and a stripchart. Based on the graphics, answer the following questions or check the correct statements, respectively. (Comment: The tolerance for numeric answers is  $\pm 0.8$ , the true/false statements are either about correct or clearly wrong.)

The distribution is unimodal:

true / false

The distribution is:

 $\begin{array}{l} {\rm symmetric}\ /\ {\rm right\text{-}skewed}\ /\ {\rm left\text{-}skewed}\\ {\rm true}\ /\ {\rm false} \end{array}$ 

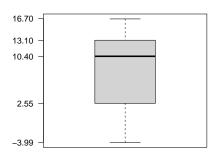
The boxplot shows outliers:

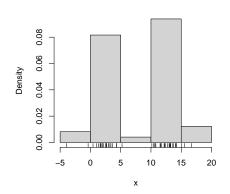
A quarter of the observations is smaller than:

A quarter of the observations is greater than:

Half of the observations are smaller than:

## Solution





- (a) False / True
- (b) True / False / False
- (c) False / True
- (d) 2.55
- (e) 13.1
- (f) 10.4