

### 1. Problem

For the 47 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  $\pm 0.3$ , the true/false statements are either about correct or clearly wrong.*)

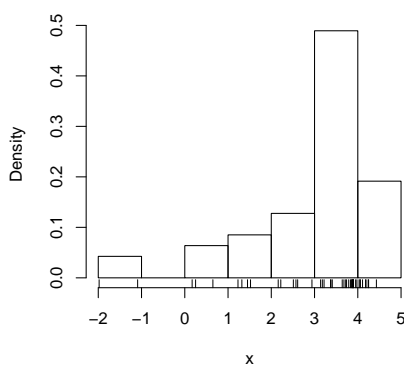
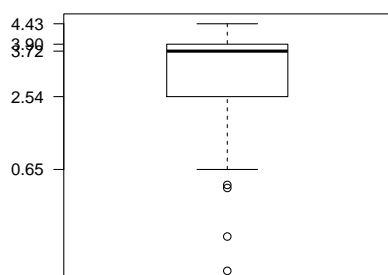
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The distribution is unimodal:	##ANSWER1##
The distribution is:	##ANSWER2##
The boxplot shows outliers:	##ANSWER3##
A quarter of the observations is smaller than:	##ANSWER4##
A quarter of the observations is greater than:	##ANSWER5##
Half of the observations are greater than:	##ANSWER6##

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- (a) true / false
- (b) symmetric / right-skewed / left-skewed
- (c) true / false
- (d)
- (e)
- (f)

### Solution



- (a) True. / False.
- (b) False. / False. / True.
- (c) True. / False.
- (d) 2.54.
- (e) 3.9.
- (f) 3.72.