

Do we have Normal test scores?

Here are the Chapter 1 Test scores for 80 of the current AP Statistics students

70	83	93	93	85	80	83	72
78	87	87	87	76	89	78	65
78	80	80	89	76	59	65	78
78	80	87	93	76	91	78	87
91	85	76	85	78	65	65	83
87	80	91	85	80	80	87	67
70	83	78	80	78	83	76	80
80	93	83	83	85	74	57	72
63	83	76	83	67	76	59	89
61	87	83	89	89	78	87	85

Is the distribution of Chapter 1 Test scores approximately normal? Justify your answer using several different approaches. The group with the most convincing argument will win a prize.

Density Curves and Normal Distributions

Important Ideas:

Check Your Understanding:

The following figure is a Normal probability plot of the difference between the desired thickness of a cell phone screen protector and the actual thickness of the cell phone screen protector for a random sample of 300 screen protectors, in micrometers. Use the graph to determine if this distribution of difference in thickness is approximately Normal.

