

Saturday Night Bowling Scores:

120, 215, 198, 115, 291, 95, 230, 144, 175, 270, 166, 193, 154, 225

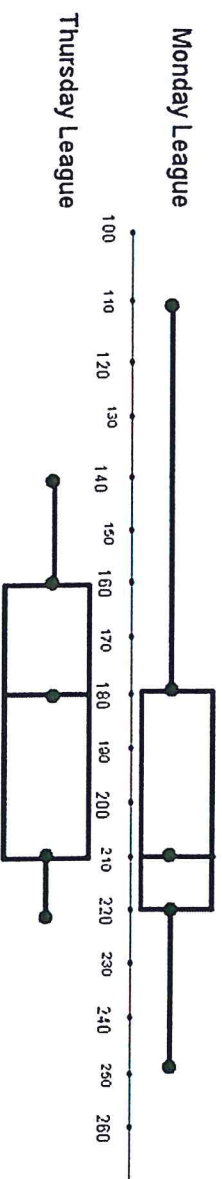


MAKE A BOX-AND-WHISKER
PLOT OF THIS DATA &
THEN ANSWER THE
QUESTIONS.

1. If you join this league and normally bowl 225 you would be better than what percent of the other bowlers?
2. If you join this league and normally bowl 95 what % of the other bowlers are better than you?
3. If you join this league and normally bowl 184 what % of the bowlers are better than you?
4. If you join this league and normally bowl 144 you would be better than what percent of the other bowlers?
5. If you join this league and normally bowl 139 would you expect to win more games than you lose?

Monday scores:
176, 212, 220, 110, 210, 206, 195, 220, 188, 180, 250, 214, 113, 218, 240

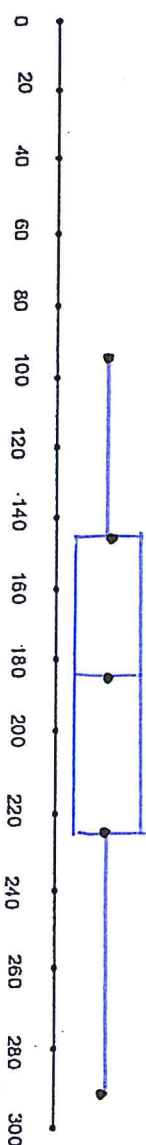
Thursday scores:
140, 145, 157, 160, 166, 168, 174, 186, 195, 206, 210, 217, 219, 220



1. If you bowled 210 in the Thursday league you are better than what % of the bowlers in your league?
2. If you bowled 160 in the Monday league you are better than what % of the bowlers in your league?
3. If you bowled 220 in the Thursday league you are the best bowler on Thursday night. What % of the Monday bowlers are better than you?
4. If you normally bowl 190 which league would you rather join? Explain.
5. If you normally bowl 140 which league would you rather join? Explain

Saturday Night Bowling Scores:

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QUESTIONS.

$x_{min} = 95$ $Q_3 = 225$
 $Q_1 = 144$ $max = 291$
 $MED = 154$

1. If you join this league and normally bowl 225 you would be better than what percent of the other bowlers? **75%**

2. If you join this league and normally bowl 95 what % of the other bowlers are better than you? **100%**

3. If you join this league and normally bowl 184 what % of the bowlers are better than you? **50%**

4. If you join this league and normally bowl 144 you would be better than what percent of the other bowlers? **25%**

5. If you join this league and normally bowl 139 would you expect to win more games than you lose?

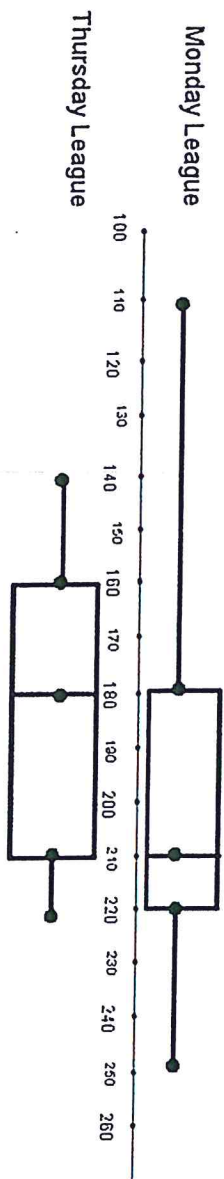
You would probably lose more games because more than 75% of the bowlers normally have a higher score than you

Monday scores:

176, 212, 220, 110, 210, 206, 195, 220, 188, 180, 250, 214, 113, 218, 240

Thursday scores:

140, 145, 157, 160, 166, 168, 174, 186, 195, 206, 210, 217, 219, 220



1. If you bowled 210 in the Thursday league you are better than what % of the bowlers in your league? **75%.**
2. If you bowled 160 in the Monday league you are better than what % of the bowlers in your league? **between 0% & 25%**
3. If you bowled 220 in the Thursday league you are the best bowler on Thursday night. What % of the Monday bowlers are better than you? **25%**
4. If you normally bowl 190 which league would you rather join? Explain. **open-ended, give your answer with reasons**
5. If you normally bowl 140 which league would you rather join? Explain. **open-ended, give your answer with reasons.**