

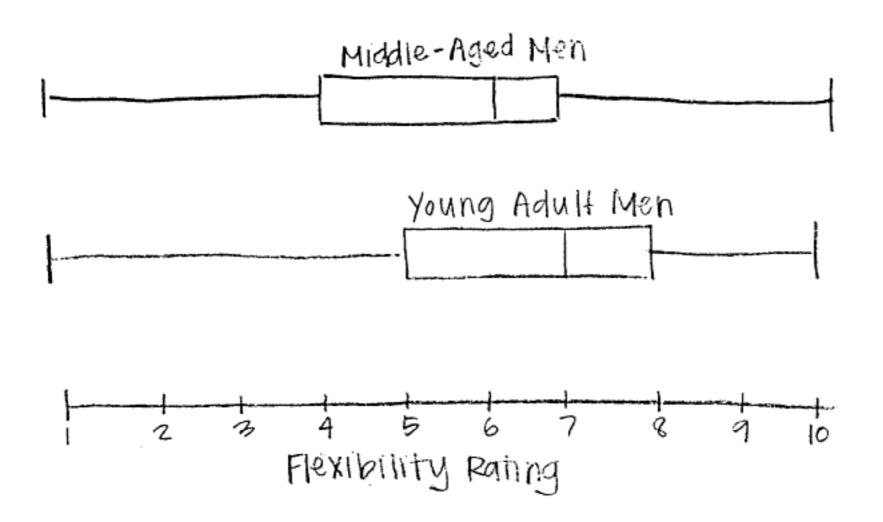
AP Statistics 2000 Student Samples

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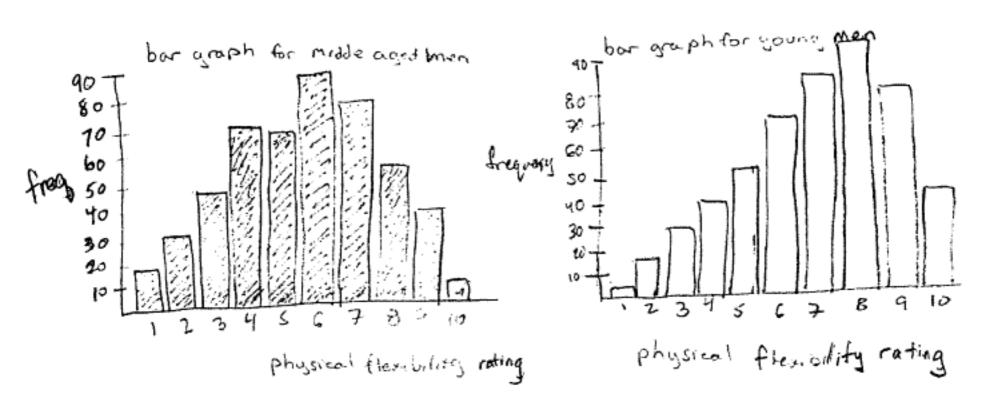
(a) Display these data graphically so that the flexibility of middle-aged men and young adult men can be easily compared.



(b) Based on an examination of your graphical display, write a few sentences comparing the flexibility of middle-aged men with the flexibility of young adult men.

The interquartite ranges of the laxpiots of both young men a middle-aged men are the same - 2 guggesting that the stread, or variation in flexibility, of each group is the same. However, the median flexibility for young adult men is 7, while the median for middle-aged men is 6, suggesting groater flexibility in young adult men than middle-aged men.

(a) Display these data graphically so that the flexibility of middle-aged men and young adult men can be easily compared.

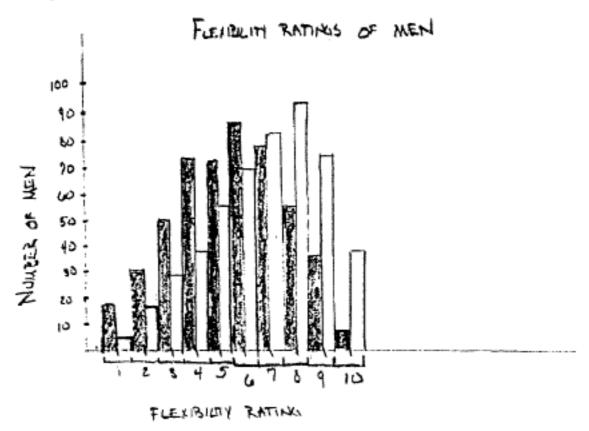


(b) Based on an examination of your graphical display, write a few sentences comparing the flexibility of middle-aged men with the flexibility of young adult men.

It seems as if the distribution for middle aged men is more or less symmetric, while the one for young men is should to like lest.

The mode is 8 for the young men and 6 for the middle aged me The median and mean also took to be a bit higher in eyoung men. This shows that on average, young men are slightly more (11 x16) than middle-aged men

(a) Display these data graphically so that the flexibility of middle-aged men and young adult men can be easily compared.



SAMDED BARS: MUDDLE-AGED MEN WHITE BARS: YOUNG ADULT MEN

(b) Based on an examination of your graphical display, write a few sentences comparing the flexibility of middle-aged men with the flexibility of young adult men.

NOST MIDDLE-AGED MEN HAD A FLEXIBILITY RATING CENTERED AROUND G, WHILE MOST YOUNG ADOLT MEN HAD A FLEXIBILITY PATING CENTERED AROUND G. IN GENERAL, MOST YOUNG ADOLT MEN WERE MORE FLEXIBLE THAN MOST MIDDLE-AGED MEN.