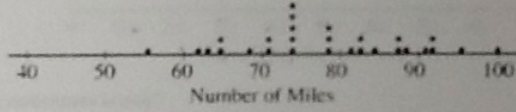


Number of questions—40
Percent of total grade—50

Directions: Solve each of the following problems, using the available space for scratch work. Select the answer choice that is best in each case and place the letter of your choice in the corresponding box on the student answer sheet. Do not spend too much time on any one problem.

1. The dotplot below displays the total number of miles that the 28 residents of one street in a certain community traveled to work in one five-day workweek.



Which of the following is closest to the percentile rank of a resident from this street who traveled 85 miles to work that week?

- (A) 60
(B) 70
(C) 75
(D) 80
(E) 85

p. 76-75
Is there an association between FB use and age?

	Yes	No	Totals
Y	78	4	82
M	49	21	70
O	21	46	67
	148	71	219

$\frac{78}{148} = 52.7\%$
 $\frac{49}{70} = 70\%$
 $\frac{21}{67} = 31.3\%$
 $\frac{82}{219} = 37.4\%$
 $\frac{4}{71} = 5.6\%$
 $\frac{21}{71} = 29.5\%$
 $\frac{46}{71} = 64.7\%$

This shows conditional distribution of age bc denominator is age group totals. This tells you the % within under age groups of FB users. * 95.1% of young use FB

* This cond distrib is of FB users
52.7% of FB users are young

"Think about it" p. 17