Assignment 1997 19 1757

In the Quarte test of CAT oxam, the forwarion Standard deviation is known to be 100. A sample of 25 test takes has a moun of 520. construct a 88% c. I about means

$$\sigma = 100 \text{ n} = 25 \text{ n} = 520$$
 $c.1 = 80\%$
 $d = 1 - c.1$
 $= 1 - 0.8$
 $d = 0.2$

Point Estimate I Margin of Error

x + 7x/2 5

$$\frac{70.1}{2} = \frac{20.1}{2}$$

Lower Fence =
$$520 - 1.29 \times \frac{100}{\sqrt{2}5}$$

= $520 - 1.29 \times \frac{100}{5}$
= 494.2

