



A case company believes that the pesicentage of sesidents in city ABC that owns a vehicle is 60% on less. A sales manages disagrees with this. He conducts a hypothesis testing surveying 250 mesidents & found that 170 mesponded "Yes", to owning a vehicle. a) State null & Alternate hypothesis b) At 10% significance level, is there enough evidence to suppose the idea that vehicle owership in city ABC is 60% on 1088.

Ho => \$12060 \$\frac{1}{10} \text{ fo} > 60%.\$

H₁ => \$170 = 0.68

$$\frac{250}{10} = 1.0.6 = 0.4$$
 $\frac{2}{10} = 1.0.6 = 0.4$
 $\frac{2}{10} = 0.68 = 0.6$
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n = 250 x = 170

What is the value of the 99 percentile? 2,2,3,4,5,5,5,6,7,8,8,8,8,8,9,9,10,11,11,12 Value = Pencenfile xn

= 19.8 (Index) = 11+12

= 11.5

In left & suight-skewed data, what is the suelationship blw mean, median & mode? Deaw the graph to suppresent the same. Median Mode - Mode Median Mean -Mean Right Skewed el Skewed Mean, Median, Mode Noumal Distaubution

In nosimal d'istsibution: Mean ~ Mode ~ Median

In Right skewed:

Mean > Median > Mode

In Left skewed:

Mode > Median > Mean