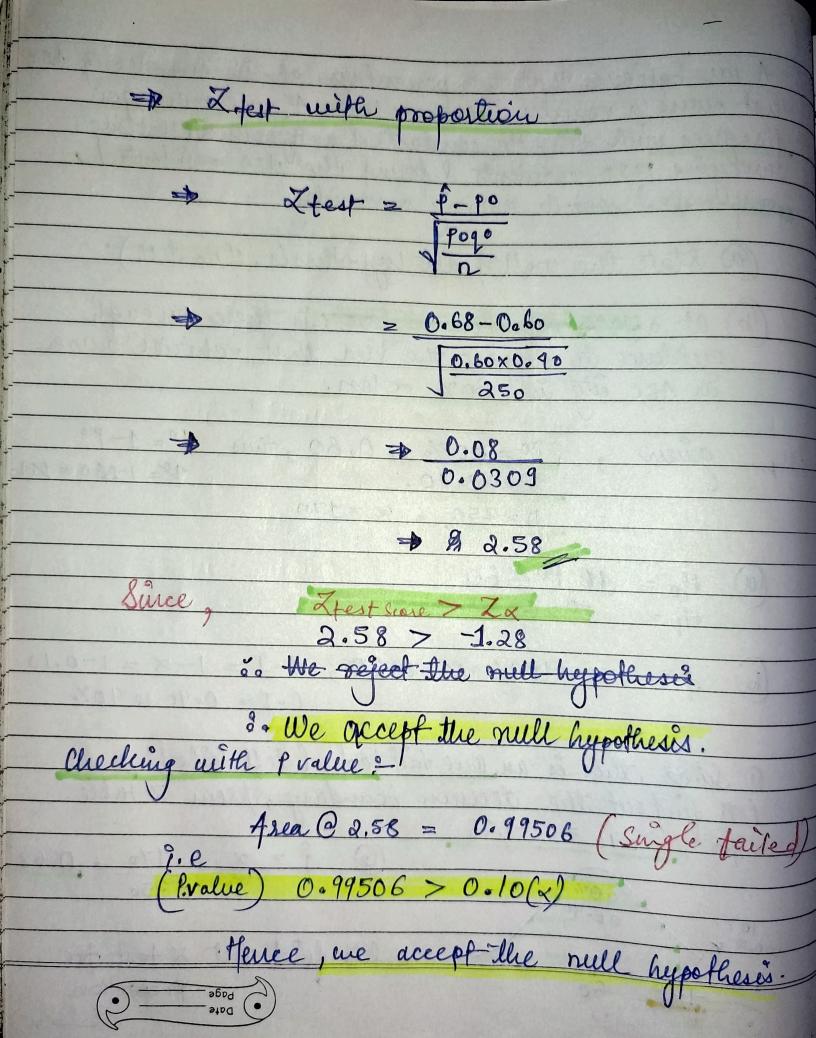


A var believes that the percentage of citizens in city 480 that owns a vehicles is 60% or less. A sale manager disagrees with this. He conducted a hypothesis testing surveying 250 residents of found that 170 residents or sesponded pes to swoning a vehicles. @ State the null of alt hypothesis. (Ho of H) (b) at a 10% significance level, is there enough evidence to support the idea that vehicles owner in ABC city is 60% or less, sale, gener, p° = 60 % × 0.60, thus, 9° = 1-1° 2° = 0.40. 20= 1-860= 9:40 12250 g x=170 a Ho = Me Po ≤ 60 H1 = Po>60 (b) for $\alpha = 10\%$ \(\alpha \) 0.10, \(\cdot \) \(\sigma = 1-0.10 \) C.I = 0.90 & 90% an one fail test (left failed) decision boundary, from Z table. O Suice, this is lets find out the 10 % 0.90 MO.90 lets fine out & test for proportion



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). Index value = fercentile × (n+1) Here g Percentile = 99, n= 20. $J.V_2 = 99 \times (20+1) = 99 \times 21 = 20.79$ Since 20.79 is closest to 12, thus 99 percentile in this set is 12. Ju left of right-skewed data, what is the selationship between mean, median of made? Draw the graph to represent - The same. Salu The Relationship between Mean, Median of Mode in 1) Left Skewed Data is Mean < Median < Mode. (Eg) o data set = 4,5,6,6,6,7,7,7,8, ploting in histogram Here, Mean = 4+5+6+6+6+7+7+7+8 = 6.3 10e Mean < Median < Mode

