Assignment



Q. 1. A car company believes that	the % of residence in
city ABC that owns a vi	phicle is 60% Ar less. A
sales managers disagrees	with this He consider
a hypothesis testing surve	eying 250 residents &
found that 170 responded	yes to owning a rehicle
sales managers disagrees with this the consider or hypothesis testing surveying 250 residents of found that 170 responded yes to owning a rehicle of state the null of auternate hypothesis	
(B) At 10%. Significance level	is there enough evidence
B) At 10% significance level to support the idea that	it vehicle ownership in city
ABC is 607. 00 less ?	
=> - Given ° - 2 = 170, n = 250, x = 10%	
D Ho: Po ≤ 60.1. ≤ 0.6:	
H1: P0 > 0.6	
Ø 2 = 101. = 0.1 → z test (one tailed right)	
(3) Pecision boundary	1
	1 90 = 1-P0 = 1-0.6 = 0.4
1 2Accept Ho	7 = 0.68-0.4
Reject HO	1 Q. 6 x 0. 4
· · · · · · · · · · · · · · · · · · ·	
0 1.282.	x = 2.58
from z-tuble.	
Z= 1.282 (eritical value.)	) => 2.58 > 1.282
	18 Conclusion: Reject the
@ for calculated z.	nul hypothesis
	. Does not support the
1 = P-PO	idea to support the
TP090	ownership.
\$ = 3c = 170 = 0-68	
7 - 250	Teacher's Signature
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