Date:
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LLASS BSE-3B
ENROIMMENT 02-131212-063
Q 10.19
$\overline{\chi} = 38.$ $n = 64$
u = 40 $d = 0.4$
The hypothesis all
$No\omega$, $Z = 38 - 46 = [-2.76]$
5.8/264
P(Nature) = P(Z L-2-76) = 0.0029
Decision = Rejected
Veryor 2 12
Q # 10.20
0 = 0.24 The hypoThesis are
x = 5.23 H. : M = 5.5
n = 64 Hi: UL 5.5
$\mu = 5.5$
$\alpha = 0.05 x = 5.23 - 5.5 = -9.0$
0.24/264
P- value (Z L-9.0) & 0
The white cheddar popcorn on
average, weight less than 5.5 02

@ # 10.2 Date:
n=30, $x=788$, $x=0-05$
H. = M= 800
H: 11 7 800
2 = 788 - 800 = [-1.64]
40/130
P-value = 2P (2 < -1.64)
2(0.0505) = 0.000
Hence the mean is not significantly
different from 800 for x 2 0.001
Q # 10.22
H. u=8 , x = 8.5
$H, U > 8$ $n = 225$ $\sigma = 2.25$
2 = 8.5 - 8
2-25/1225
- 3-33
P-value = P(2>3.33) = 0.0004-
Desits
Decision & Reject H. and conclude
men who ele TM
fer week-
(D) alle 0 0 0

@ # 10.23 Date:
H.: u=10
H1: U\$10
d = 0.01 and 16=9
1:15. 0 1/9/00 : t 4-2-25 as
Critical Legion: t <-3.25 as
Computation: $t = 10.06 - 10 = 0.77$
comput ation: 0.246/10
Decision = Fail to reject Ho
Decision = Fail to reject Ho
A 10 0 /
Q 10.24
0 = 6-9
u = 162.5
n = 50
AND THE STATE OF T
H: 1 = 162.5 cm
H, M \$ 162-5 cm
z = 105.2 - 162.5 = 2.77
6.9 / 150
P-vale = 2P(272.77) = 2(0.002
Reject Ho and conclude That 11 \$162.

Q# 10.27 Date:
x = 10.5 % , x = 10.2%
n-1=30-1=29
The hypothesis one
H.: U, = U2
it, i 11, 7 112
Since $4p = \frac{29(10.5)^2 + 29(10.2)^2}{58}$
$= ((n-1)(x^1)^2 + (n-1)(x_2)$
= 10.35
P
2 7 34.0 = P(Z) 12.72
10.35 1 +1 100
√ 30 30
Hence the conclusion is that huming inclease the mean RMR is
huming inclease the mean RMR in
older voman -

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