11W_06 Ming Lin I please my honor that I have abided by the Stevens honor cake 9.37 a) statum amount 1 -79 total samples -67 allowed samples 5m 51 57 md 12 17 lg 4 5 -12 not allowed samples b) sm -> 10.5% md > 29.4% lg -> 20% c) To perform a significance test, we combine the medium and large stoats b/c the amount of not a lower large sample sizes is not enough. d) An appropriate mull by pothesis to be tested is when, Ho: There is no relation between allowed e) ml/19 sm p-value = .063, .064

8.66 ! allared 3.34 ! allowed accepted

Sm =>
$$.105 \times 3342 = 3518$$

ml => $.294 \times 246 = 72 < ...$

hotalloued

lg => $.2 \times 58 = 12$

b) $SF = \frac{P(1-P)}{n}$

standarder margin of error

 $sm = \frac{105(1-105)}{57} = .406 \cdot 1.96 = .08$

md -> (-294 (1-294) - . 1184 - 1.962.217

(g -> [-2(1-.2)] = . [79. [.96=.35

9.5 exp. df = 4 火 5-.6 137.15 124 .27 x2, 3.4 -6 < × 5.1 92.45 . 19 102 r= .49 - 1 2 X 5.1 39.8 4 (.08 null hypothesis is 9 2.95 16 x 6 6 .19 78 not rejected and 137.15 , 27 this show normal distribution lo/c P is greater than 9.51 exp. 井 .05 X ≤ . 7 12-1 112 .24 df = 4 89.35 -18 82 -.7ex 6 -. 2 1226.66 -.2<x <.2 .16 79.3 77 P = . 16 ج ا۔ .2< L £ .7 69.4 UVnull hypothesis is .24 121 X 7.7 118 not rejected and this show normal distribution lolc P is greater than