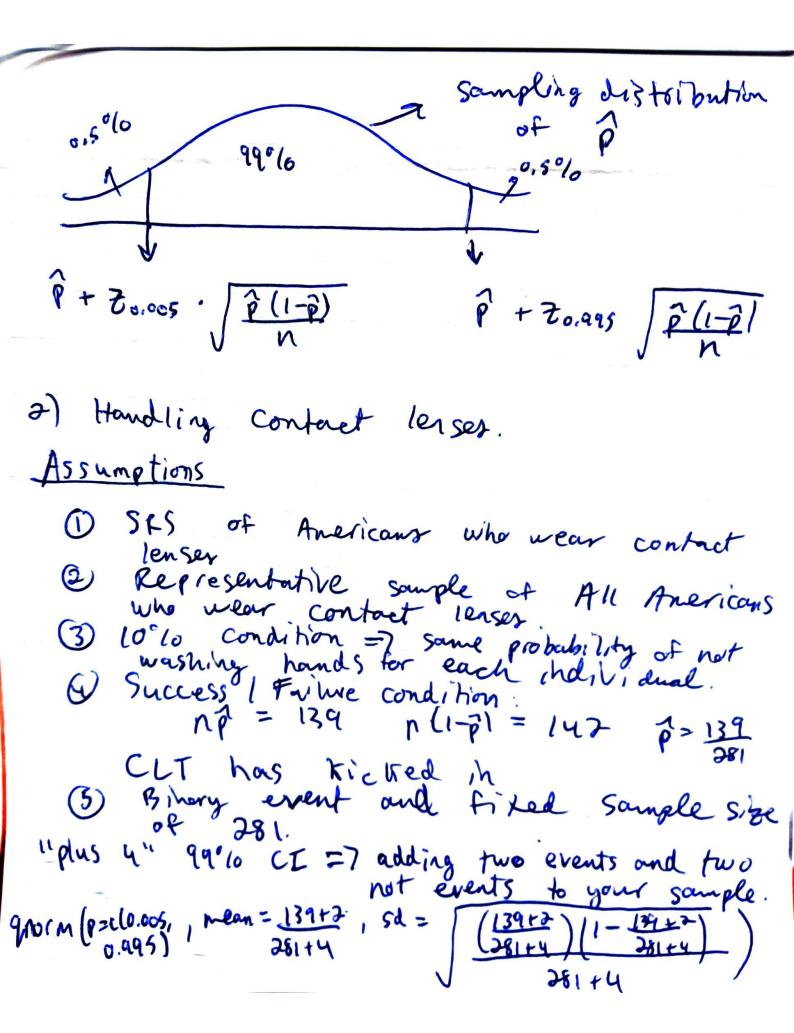
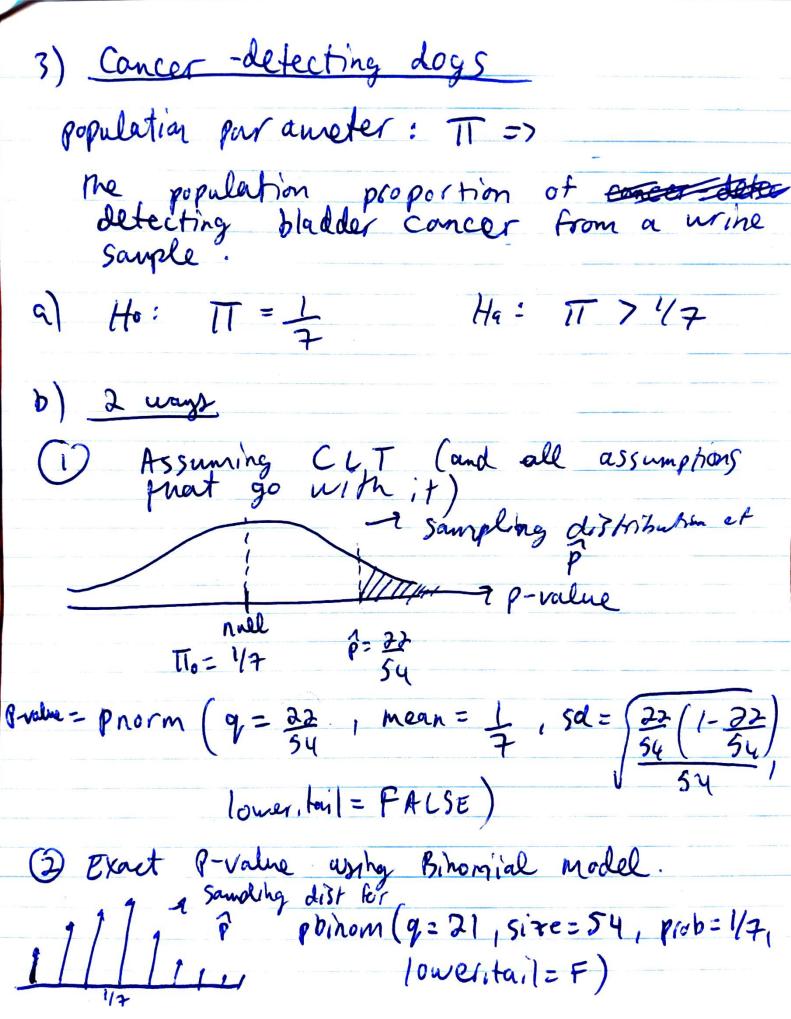
1. Drunten Cyclists Assumptions: De de mant a representative sample of All bicycle riders in the U.S. (3) 10% conditions 7 you howen't sampled more than 10% of all bicycle riders In the U.S. © Success / Failure condition >
np 7,10 and n(1-p1 7/10 Sample size is fixed at (5) Binary event - +1- For alcohol 6 CLT has kicked in , i.e., sample size is large enough to appoximate the binomial distribution with a Normal 99% CI for p =7 gnorm (P=c(0.005, 0.995), mean = 542

5d (p)





Sampling distribution

4) Presidential compaign.

- a) No difference between proportions of times a taller candidate wins compared to proportion of times a smaller candidate wins.
 - b) Ho: Thale = 0.5 = Tismall
 Ha: Thale > 0.5
 - c) (1) fixed sample 5,72 2) 10°10 condition - Violated 3 Kandom sample?

Rode to calculate a p-value.

Phinom (9=19, size = 25, prob = 0.5,

(dueritail = FAUSE)

d) 95% CI from the Nomogram is Raff. 807 [0,6,0,9]

Since the 95% CI does not contain the null, there is evidence to suggest that taller condidates home a lorger chance of whring out on alpha = 0.05.