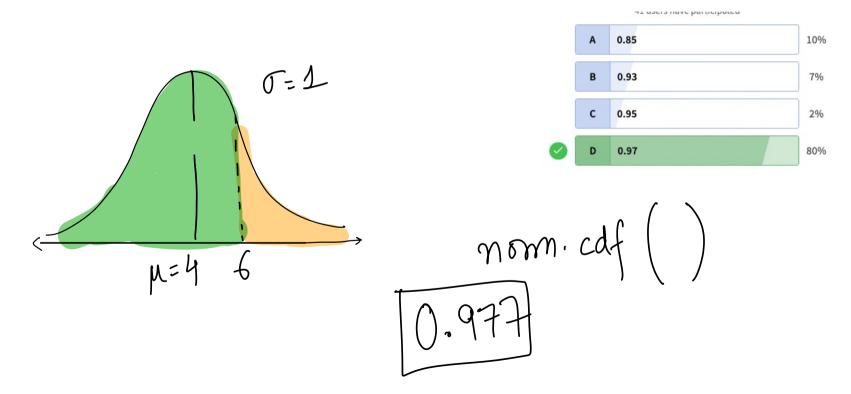
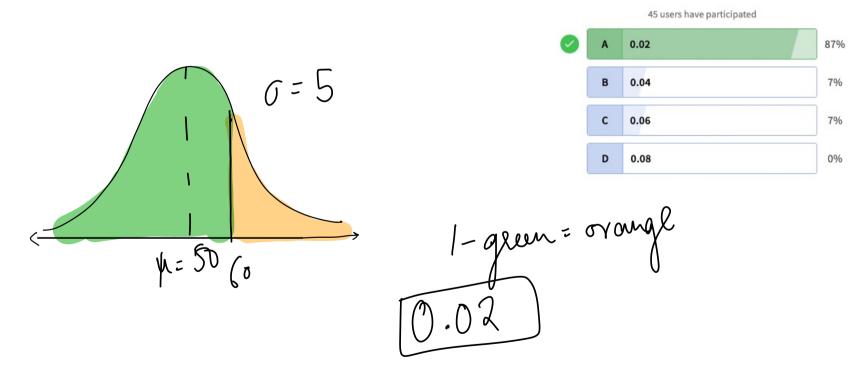
CONFIDENCE INTERNAL

The average time taken for customers to complete a purchase is 4 minutes with a standard deviation of 1 minute. Find the probability that a randomly selected customer will complete a purchase within 6 minutes? Assume Gaussian



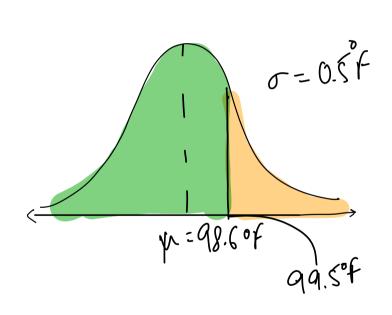
The average order value on an e-commerce website is \$50, with a standard deviation of \$5.

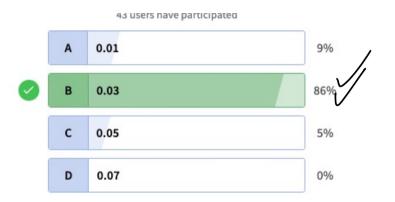
What is the probability that a randomly selected order will have a value exceeding \$60?



Average body temperature has a mean of 98.6°F and a standard deviation of 0.5°F.

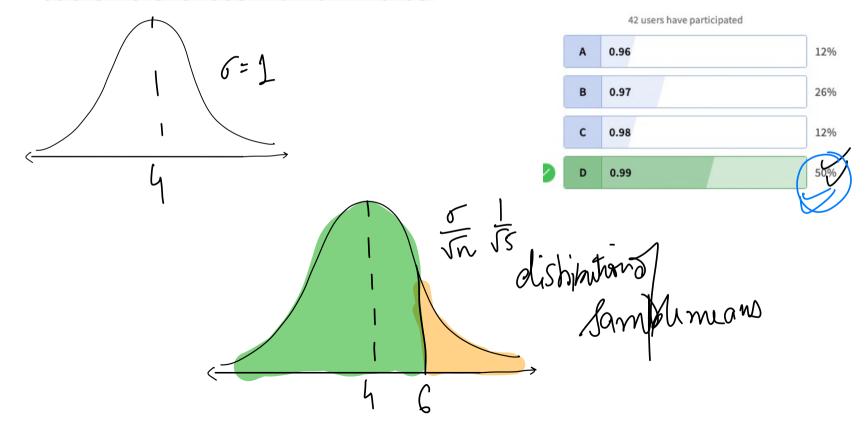
What is the probability that a randomly chosen patient has a body temperature higher than 99.5°F?



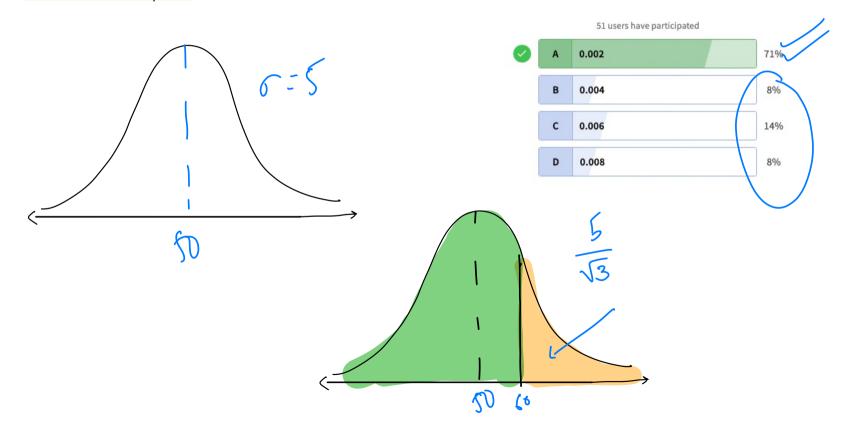


The average time taken for customers to complete a purchase is 4 minutes with a standard deviation of 1 minute.

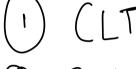
What is the probability that the average time of the next 5 customers is less than 6 minutes?



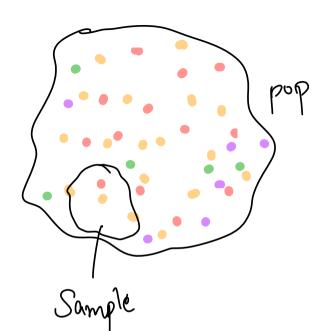
The average order value on an e-commerce website is \$50, with a standard deviation of \$5. What is the probability that the average of the next 3 orders exceeds \$60?



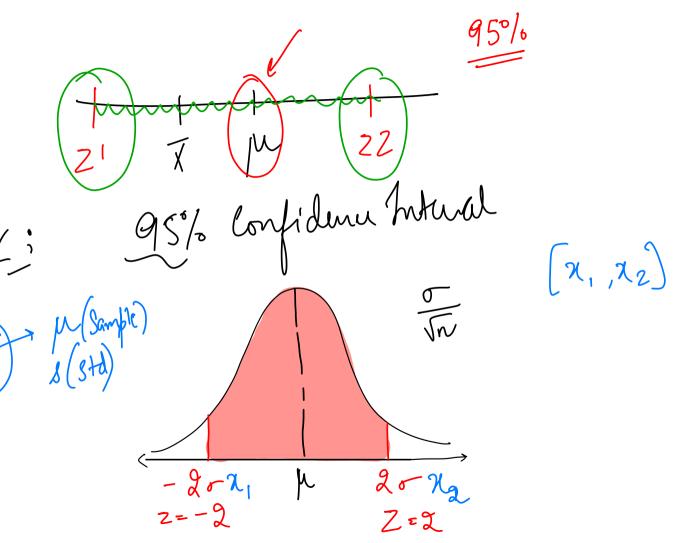
Sample - malu conclusions output Popⁿ.

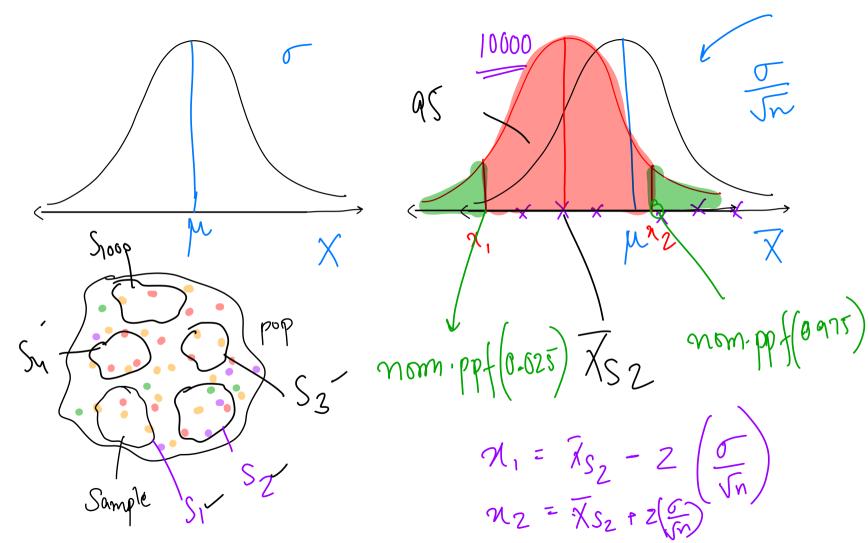


2 Bootstrapping



Sample mean = 65 Sample 8td = 2.5 pop mean = M pop Std = t Standard = Jr lonfidence





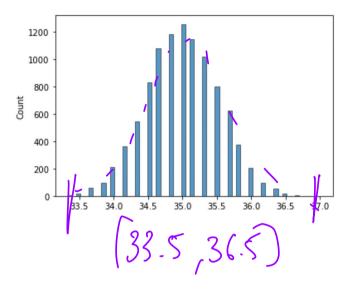
$$S1: [-1---] X_{S_1} S_1$$
 $S2: [----] X_{S_2} S_2$
 $S3: [----] X_{S_3} S_3$
 $S4: [----] X_{S_3} S_3$
 $S5: [----] X_{S_{10000}} S_{000}$

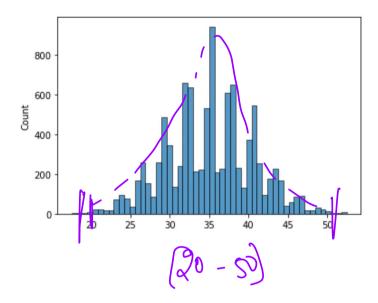
$$\mu \pm (nm \cdot ppf) = \sqrt{x}$$

$$\chi_{s_2}$$

= $\left[35,36,33,37,34,35\right)$ $\mu=35$ 52 = [20,37,17,50,53,33) M=35

Bootstrapping: Random Sampling with Replacement.





Non Indian SDE1 Salanies Indian [115-130] 100-120 at 16 130 100 [105-115] [120-128] 128 120 105