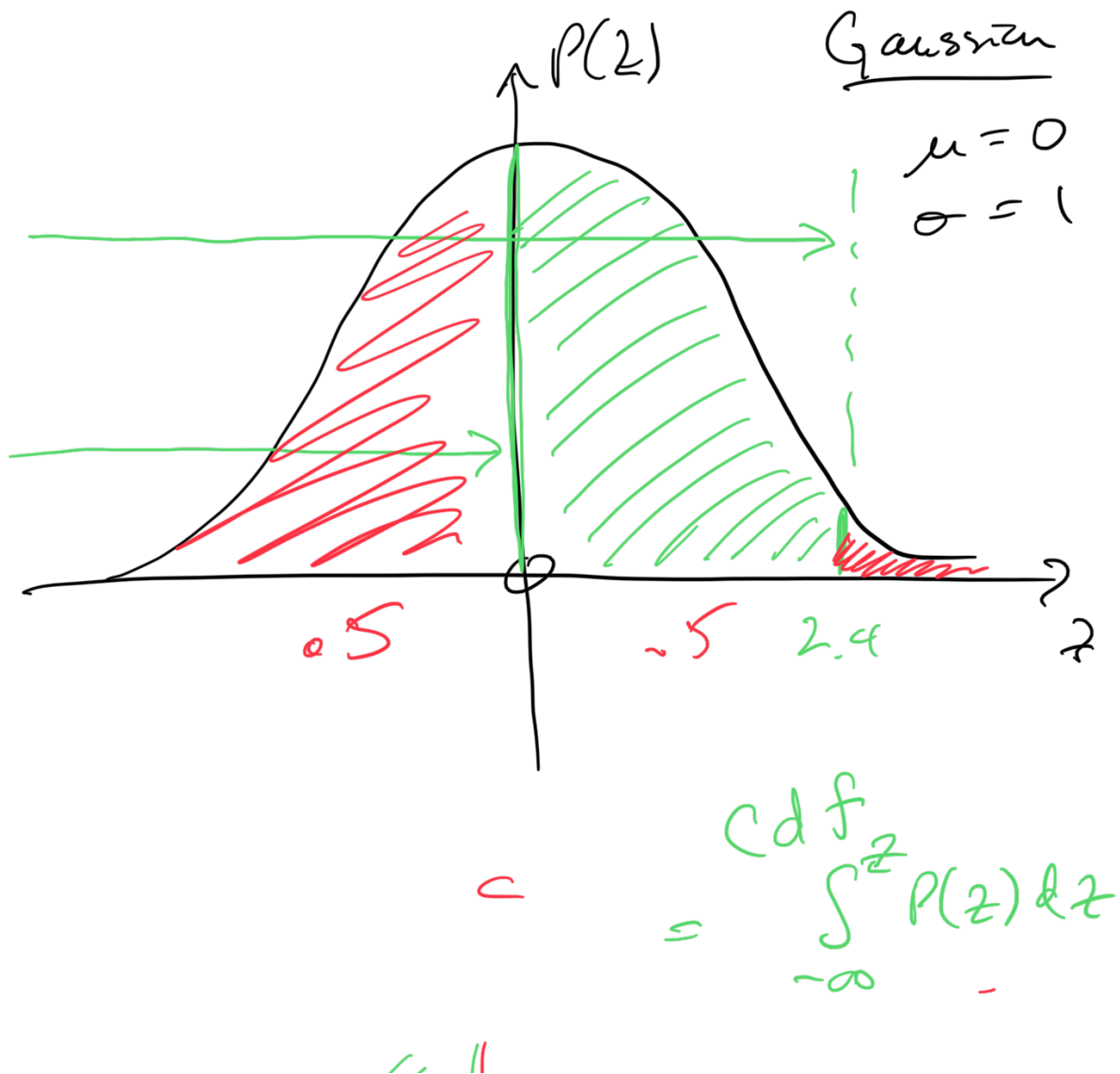
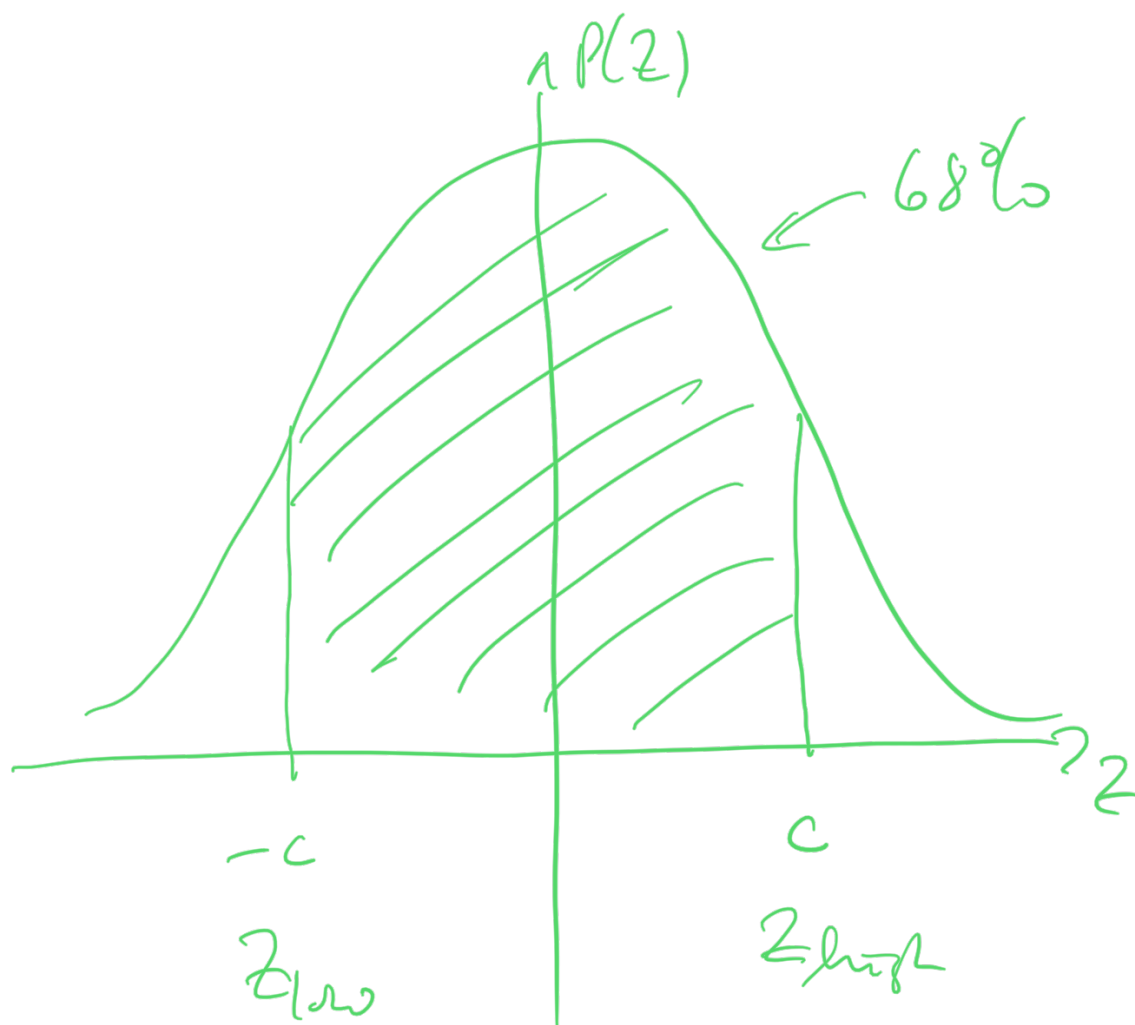
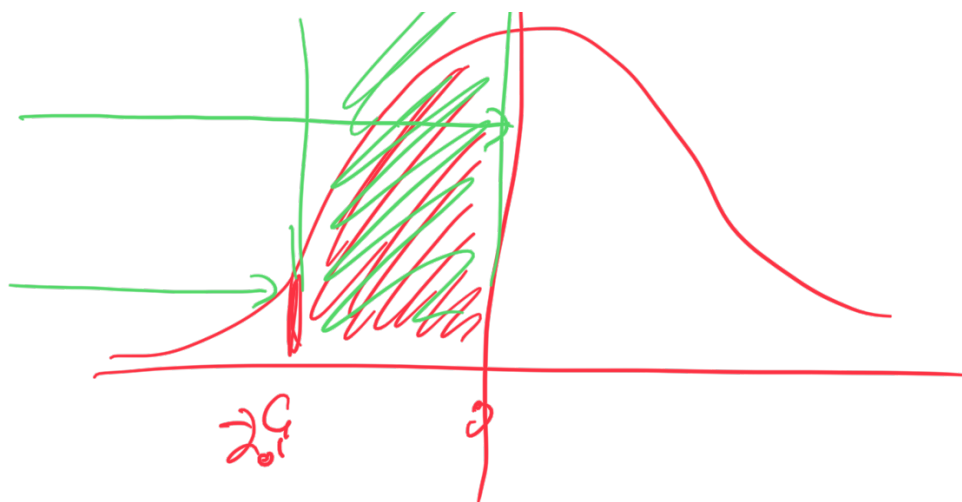
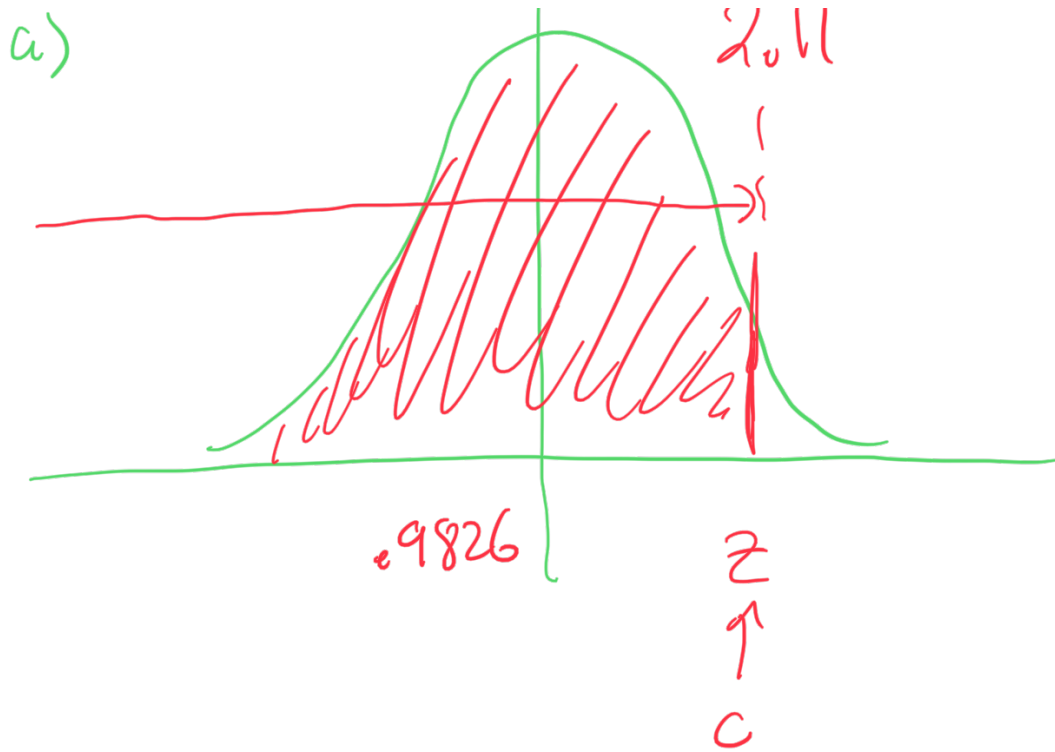


Physics 341 - Lecture 10

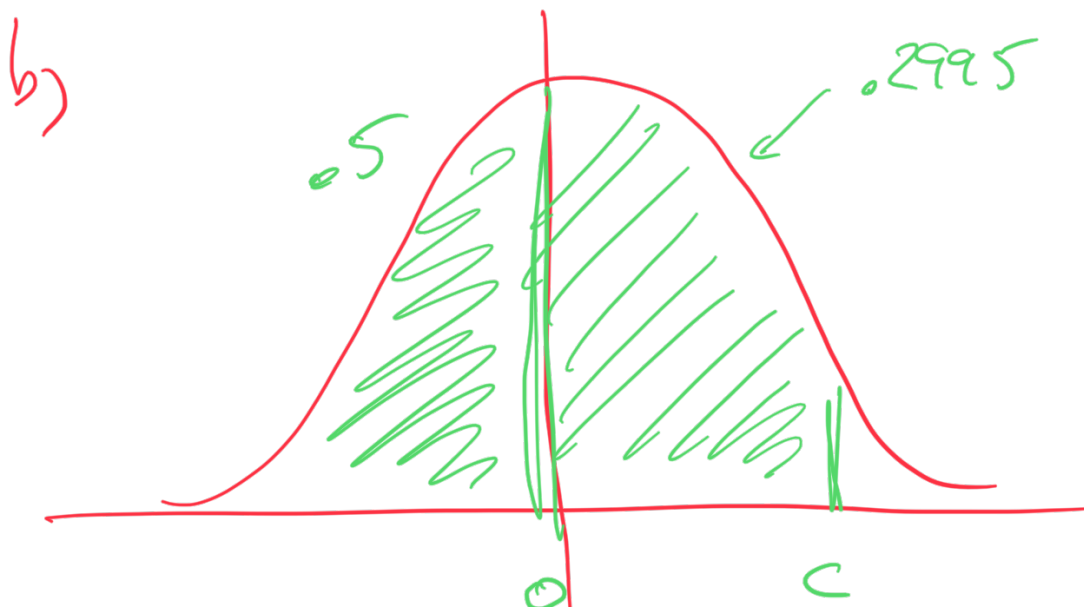
- updates on my life
- Assignment 2

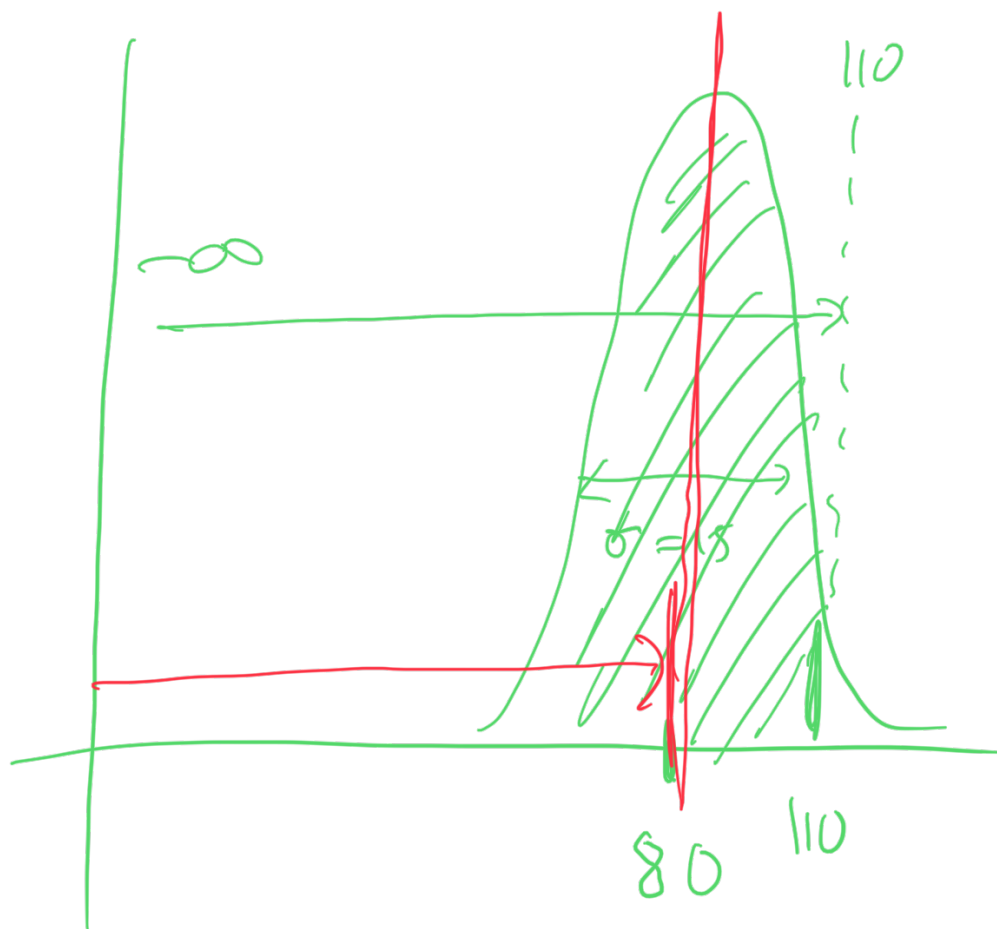






$PPF \rightarrow$ percent point function

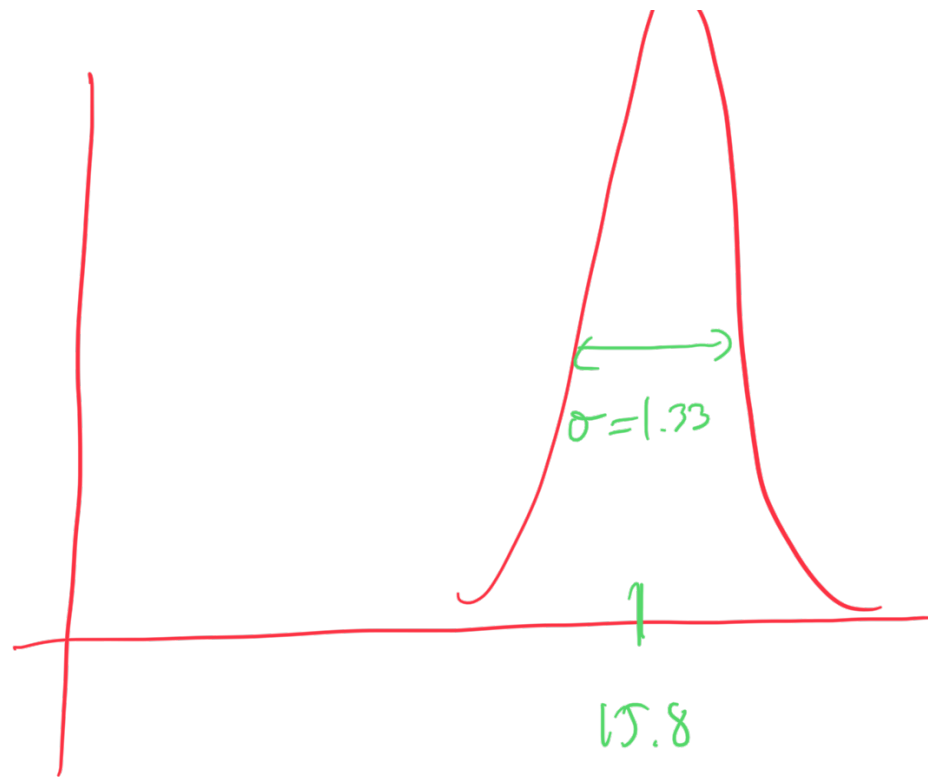




$$\mu = 15.8$$

$$\sigma = 1.33$$

^



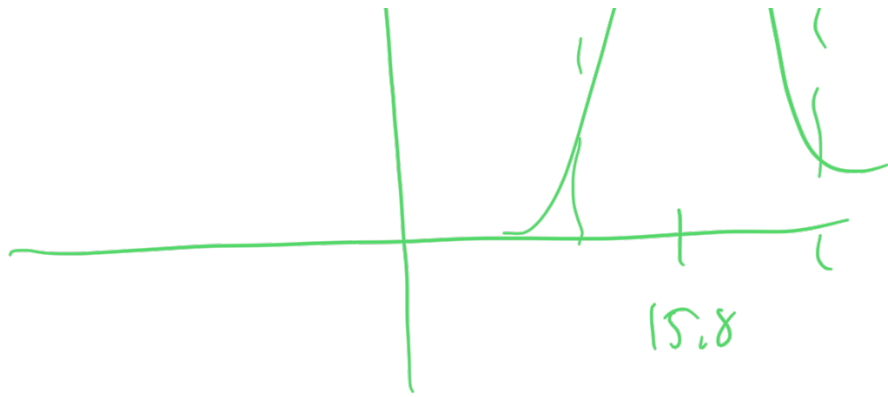
a) "at most 18" $P(X \leq 18)$

b) $P(10 \leq X \leq 12)$

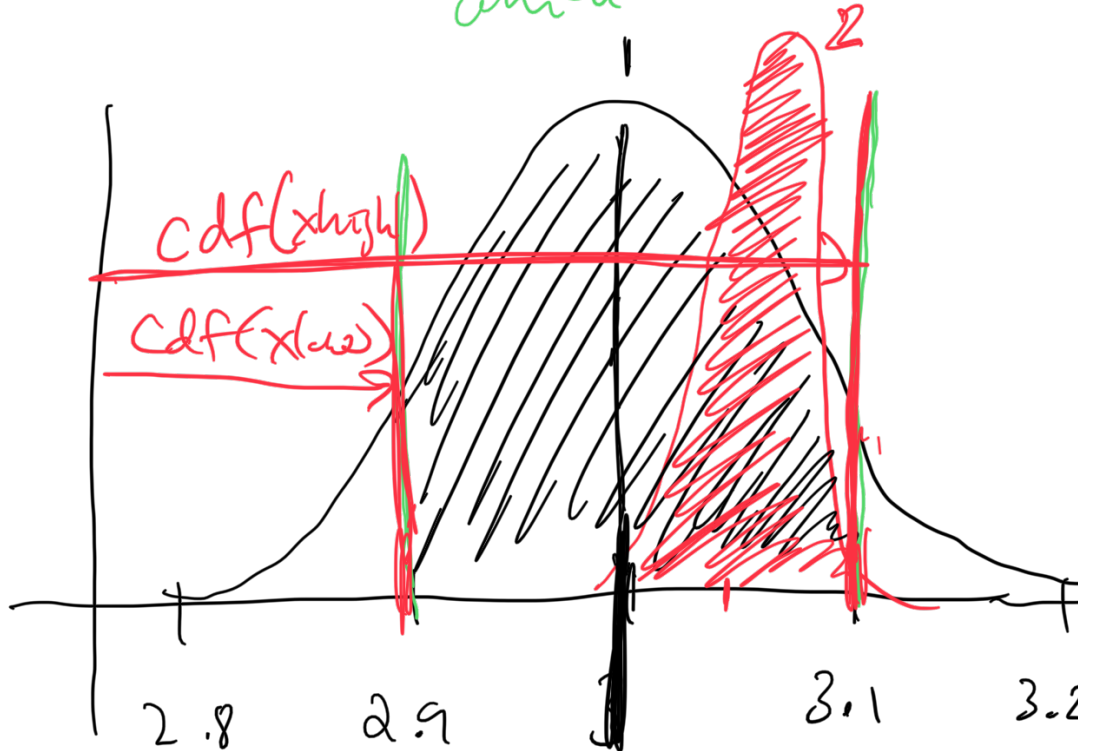
\uparrow \uparrow
 $cdf(10)$ $cdf(12)$

c)

$15.8 - 1.5\sigma$ $15.8 + 1.5\sigma$
 $($ $)$
 $|$ $|$

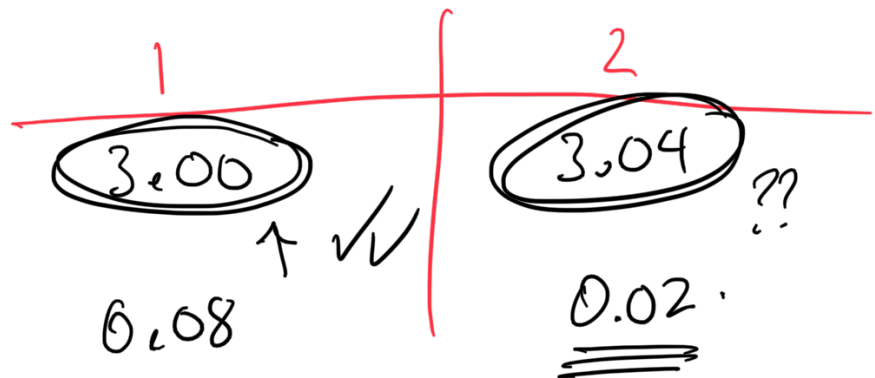


5. Compare two situations:
which is better?



ACCURACY μ

PRECISION σ



consistent

