

NBA - National Basketball Association

Assume total points scored in games in NBA has a normal dist with mean of 215 pts and standard deviation of 25 points.

N(215, 25)

The randomly select one game, Sind the Prob. that total Points Scored is

below 250 pts.

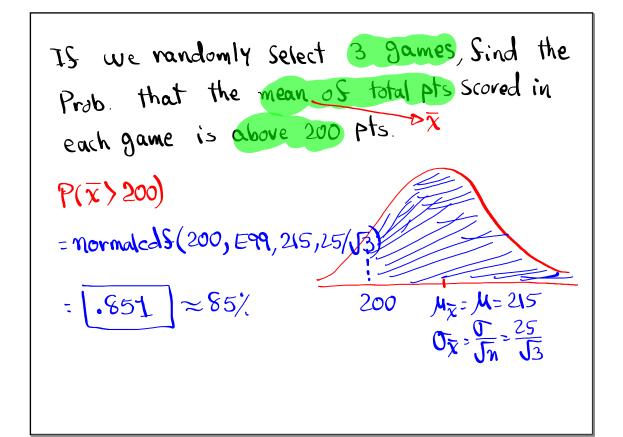
P(X(250))

- normal 25(-E99, 250, 215, 25)

- 1919 ~92%

M=215 250

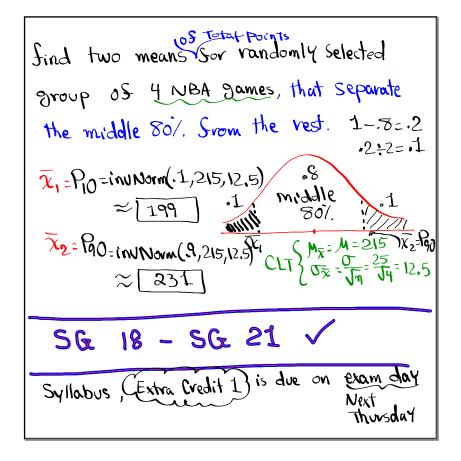
T=25

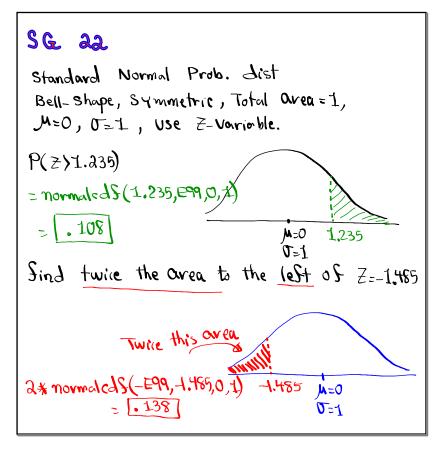


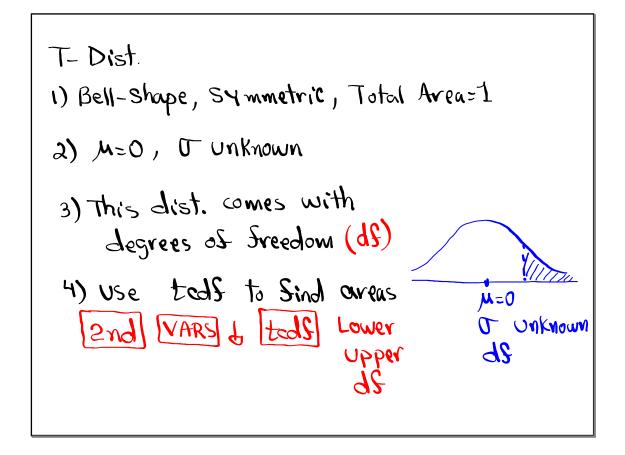
Find two total points Scored that

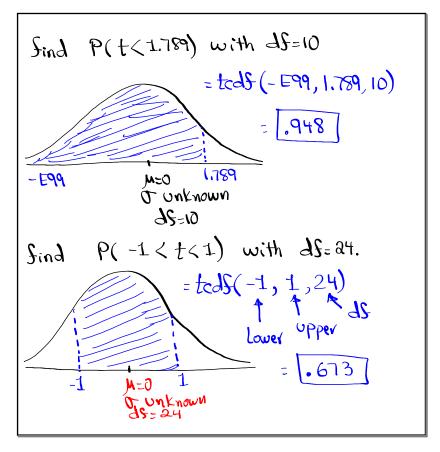
Separate the middle 90%. From the rest.

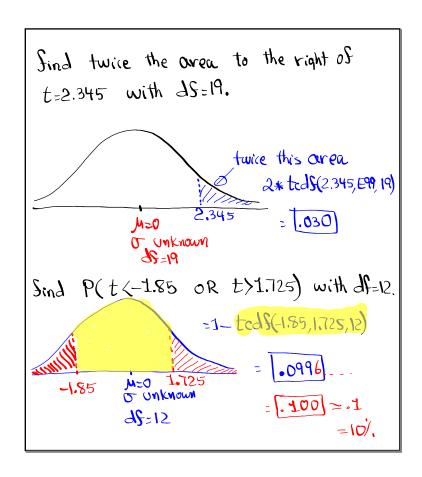
Round to a whole #. 1-.9=.1 .1=2=.05  $\chi_1=P_5=invNorw(.05,215,25)$   $\chi_2=P_{95}=invNorw(.95,215,25)$   $\chi_2=P_{95}=invNorw(.95,215,25)$ 

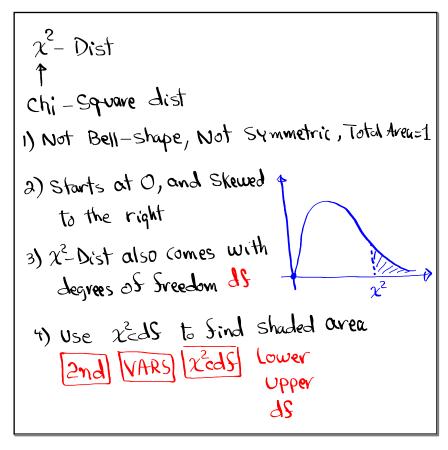


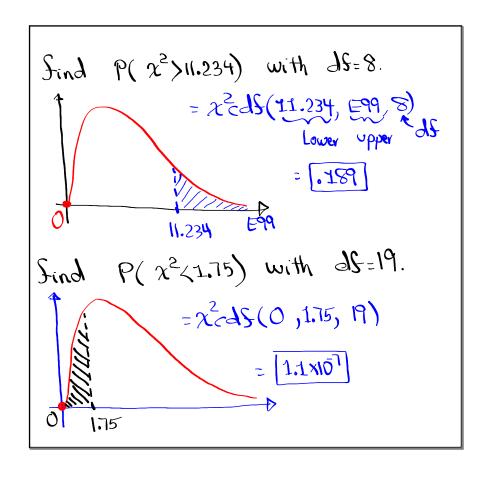




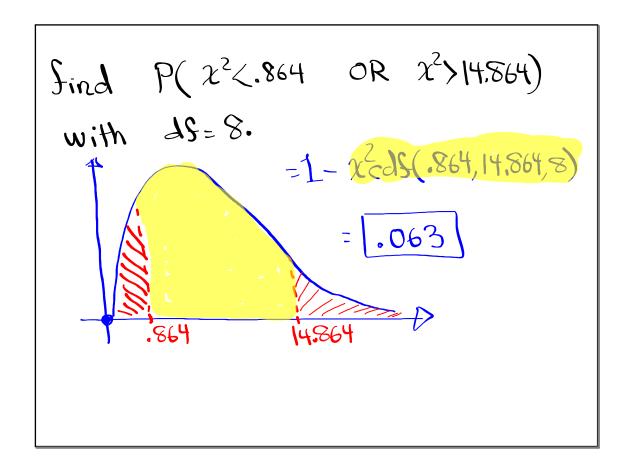








Use dS=12, Sind the area to the lest and to the right of  $\chi^2=15.678$ , then multiply the Smaller area by 2.  $\chi^2=15.678$   $\chi^2=15.678, E99,12$  = .206  $\chi^2=15.678$  = .24.206=  $\chi^2=15.678$  = .24.206=  $\chi^2=15.678$  = .24.206=  $\chi^2=15.678$  = .24.206=  $\chi^2=15.678$  = .24.206= = .24.206= = .24.206= = .24.206= = .24.206= = .24.206= = .24.206= = .24.206=



F-Dist.

1) Graph is Similar to

2²-Dist.

2) This dist comes with

two degrees of Freedom.

NUSS Numerator degrees of Freedom

DUSC PCOS to Sind

the shaded area

2nd VARS Foods

Lower, upper, Nuls, Dusc

Lower, upper, Nuls, Dusc

