

Statistics
Lecture 24



Feb 19-8:47 AM

Class QZ 15

1) Find $t_{\alpha/2}$ for **98% C-level** with **df=10**.

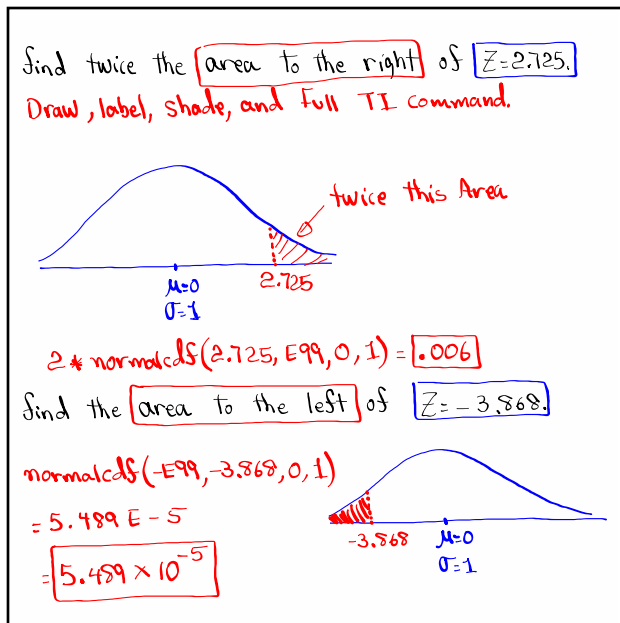
Middle Area $1 - .98 = .02$
 $.02 \div 2 = .01$

$t_{\alpha/2} = \text{invT}(.99, 10) = 2.764$ ✓

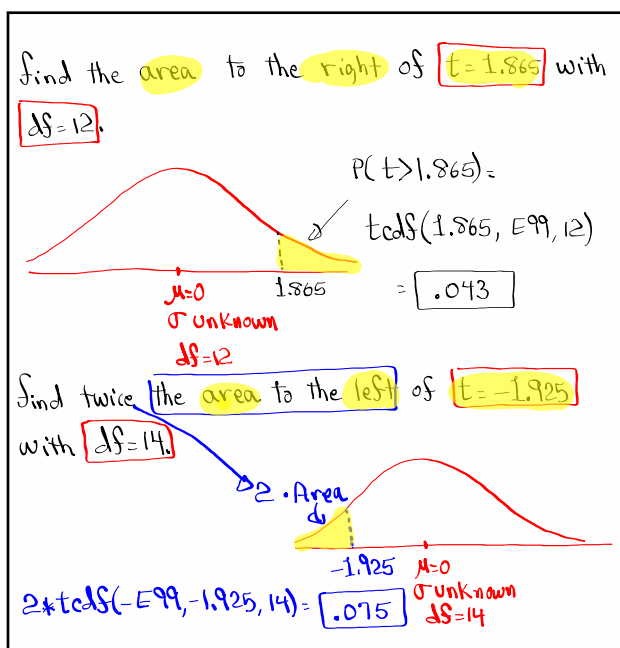
2) Find $P(t < 1.85)$ with **df=12**.

$= \text{tcdf}(-E99, 1.85, 12) = .955$ ✓

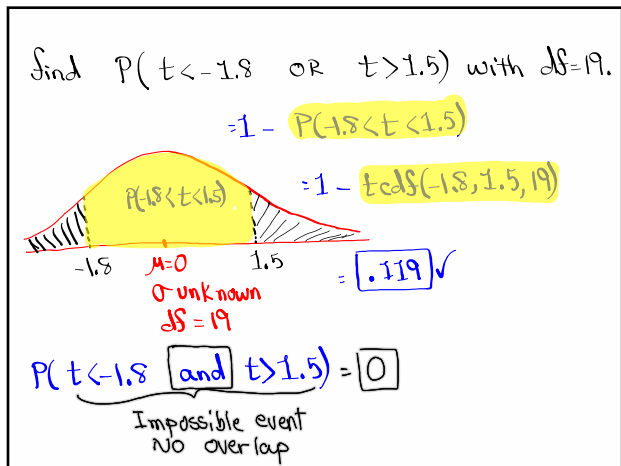
Nov 30-9:46 AM



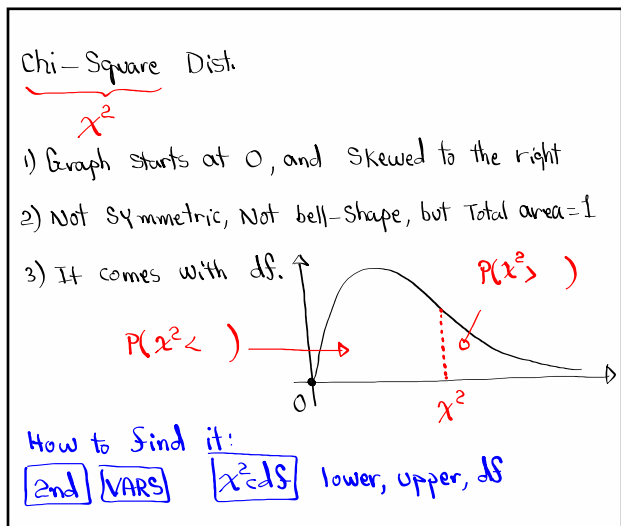
Dec 4-7:27 AM



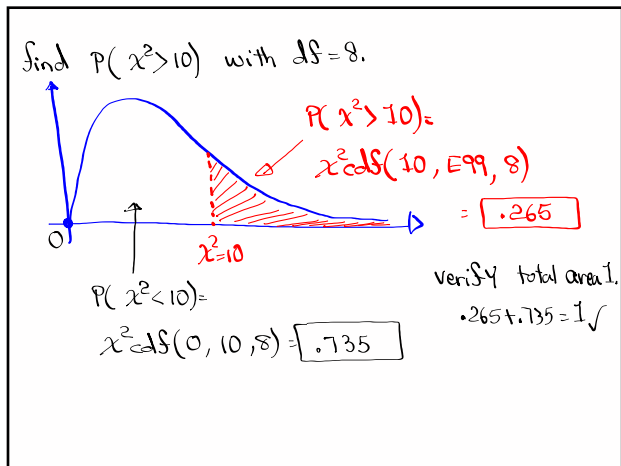
Dec 4-7:34 AM



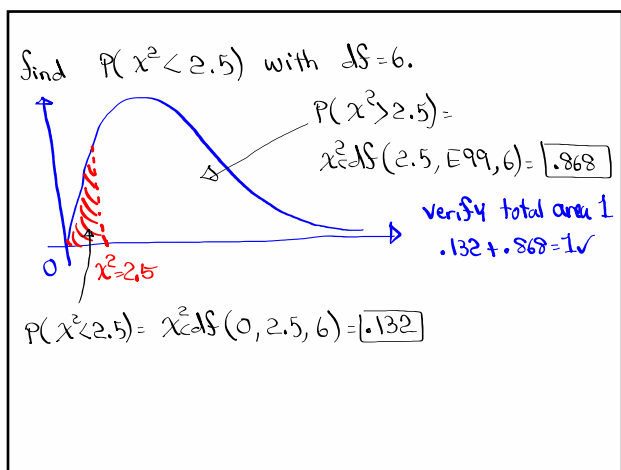
Dec 4-7:42 AM



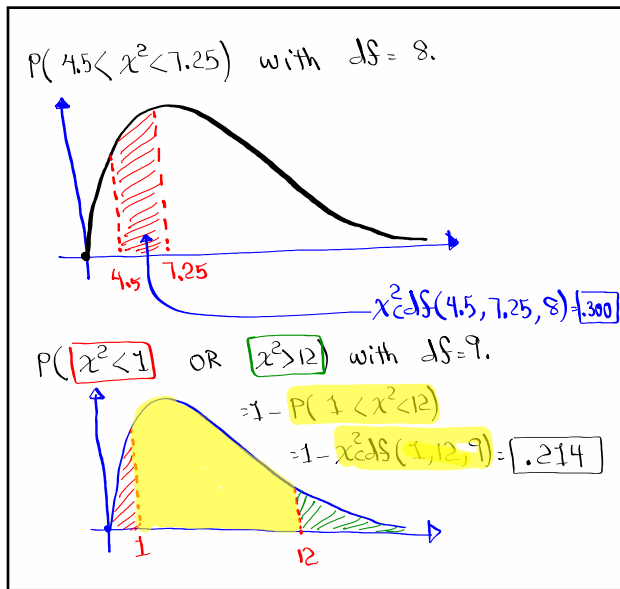
Dec 4-7:48 AM



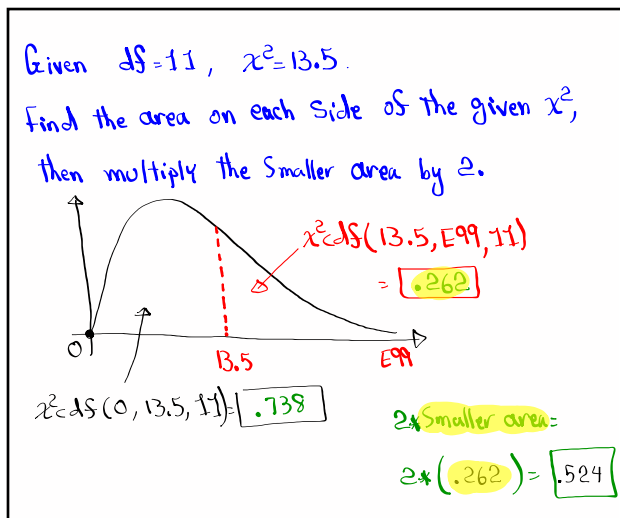
Dec 4-7:52 AM



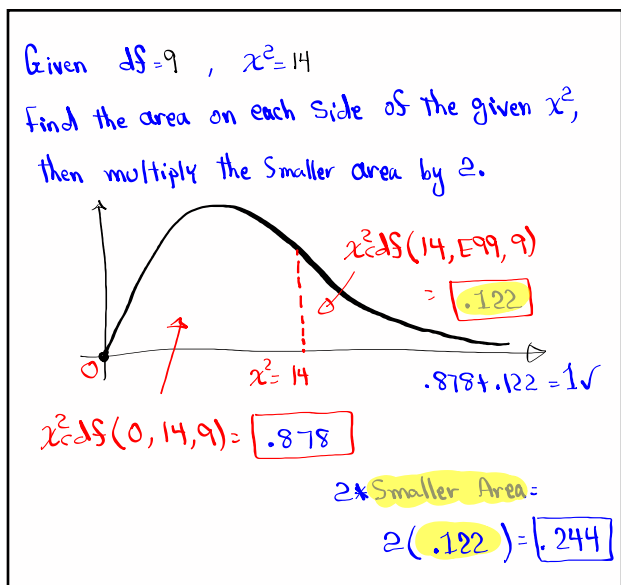
Dec 4-7:55 AM



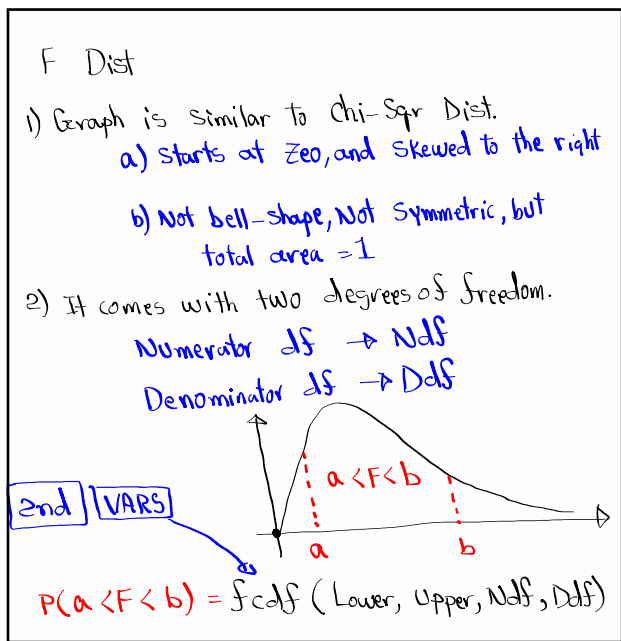
Dec 4-8:00 AM



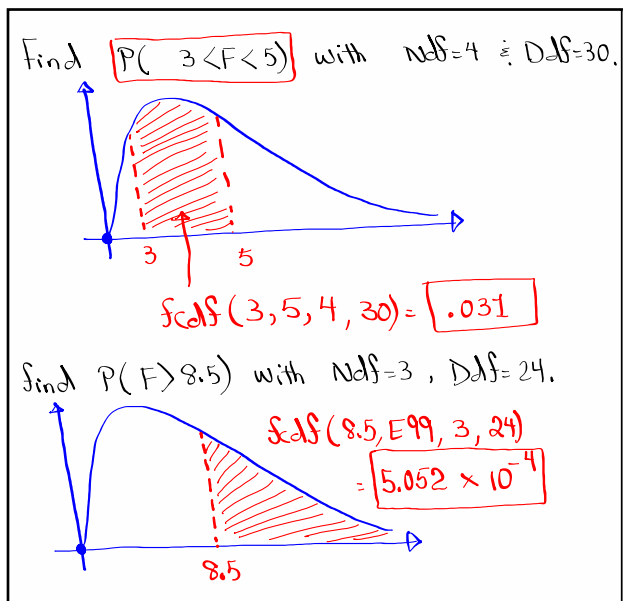
Dec 4-8:06 AM



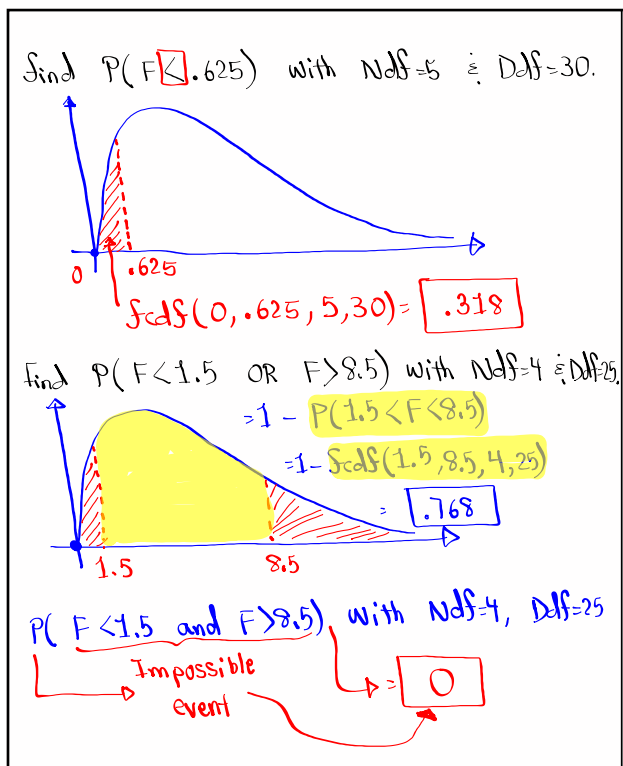
Dec 4-8:06 AM



Dec 4-8:16 AM



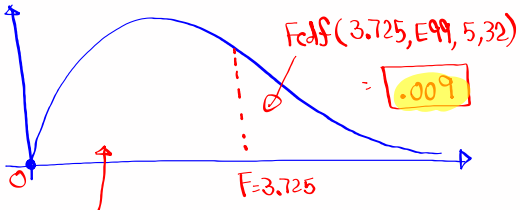
Dec 4-8:21 AM



Dec 4-8:27 AM

Given $Ndf=5$, $Ddf=32$, $F=3.725$

Find the area on each side of F , then multiply the smaller area by 2.



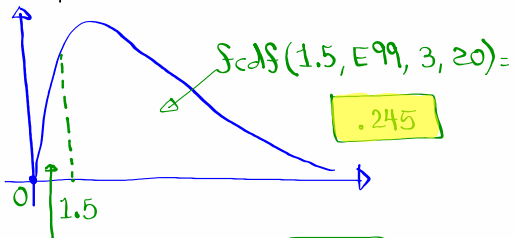
$$Fcdf(0, 3.725, 5, 32) = .991$$

$$2 * \text{Smaller area} = 2(.009) = .018$$

Dec 4-8:37 AM

Given $Ndf=3$, $Ddf=20$, $F=1.5$

Find the area on each side of F , then multiply the smaller area by 2.



$$Fcdf(0, 1.5, 3, 20) = .755$$

$$2 * \text{Smaller area} = 2(.245) = .490$$

1) Submit SG 22 & 23.

2) Review Notes & Watch the recorded Zoom lecture I emailed you about.

Dec 4-8:44 AM