## Statistics Lecture 10



Feb 19-8:47 AM

```
The average number of span calls during any given day is 10.

P( you get 12 Span (alls in any given day))

P(x = 12) = Poissonpdf(10, 12) = .095

P( You get at least 8 Span Calls in any given day)

P(x \ge 8) = 1 - P(x \le 7) = 1 - Poissondf(10, 7)

we don't we want = .780

P( You get 5 or 20 Span Calls in any given day)

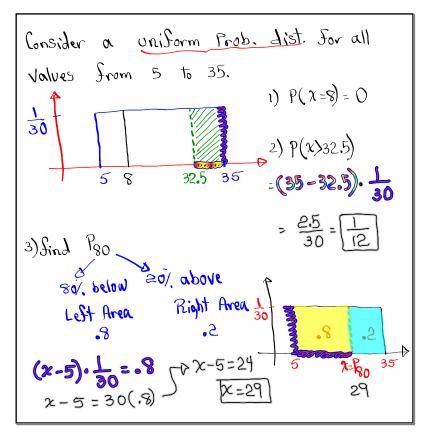
= P(x = 5 \text{ or } x = 20) = P(x = 5) + P(x = 20)

= Poissonpdf(10, 5) + Poissonpdf(10, 20)

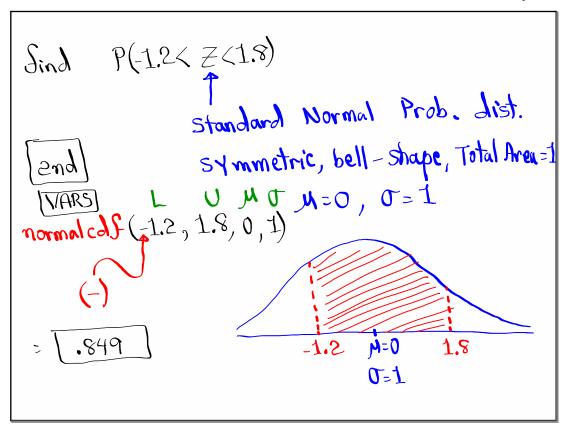
= .040

SG 17)
```

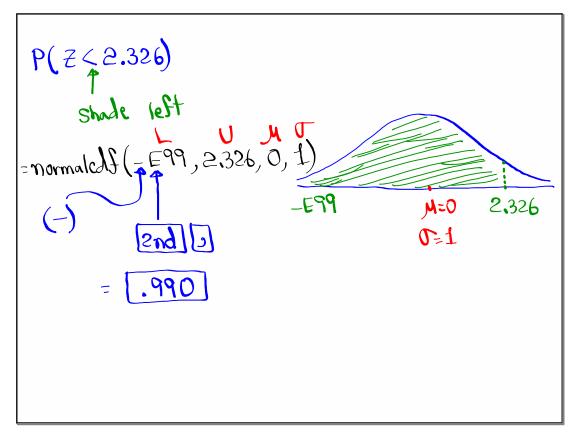
Apr 16-6:58 PM

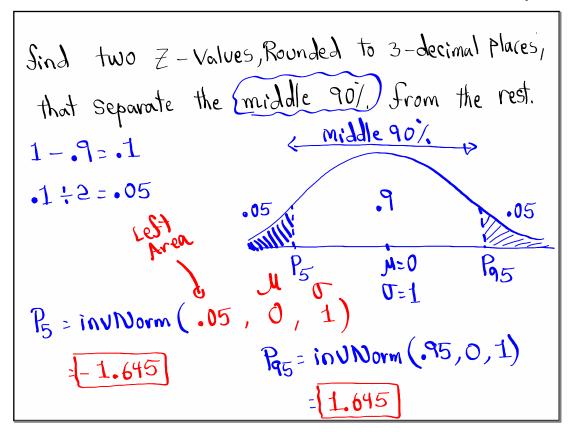


Apr 16-7:06 PM

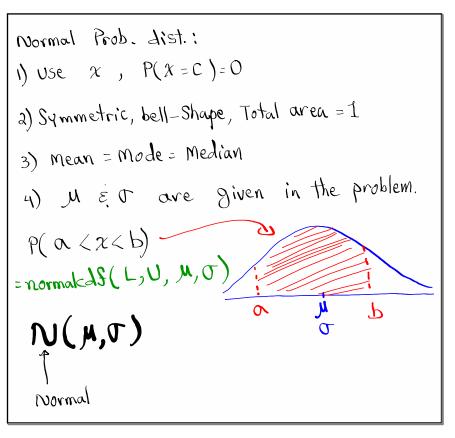


Apr 16-7:13 PM

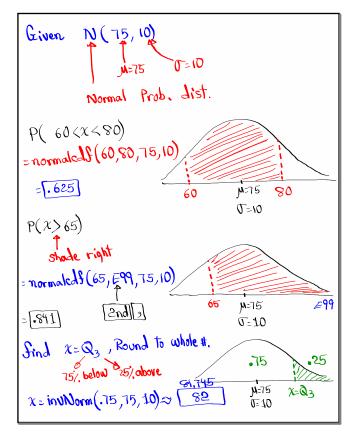




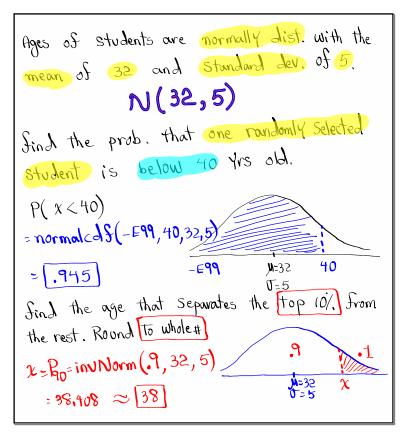
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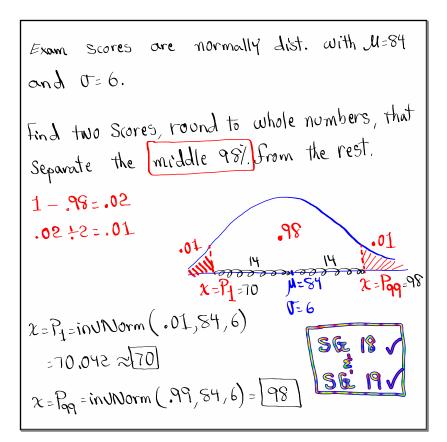
Apr 16-7:28 PM



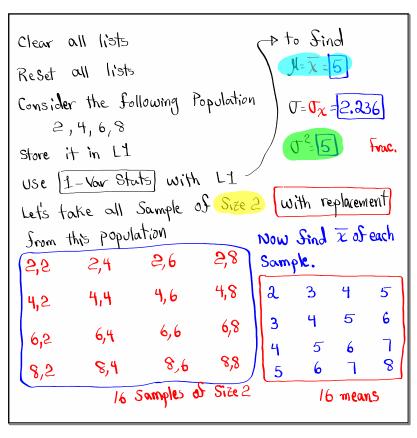
Apr 16-7:32 PM



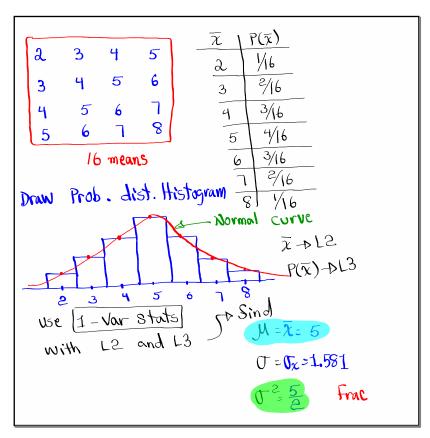
Apr 16-7:41 PM



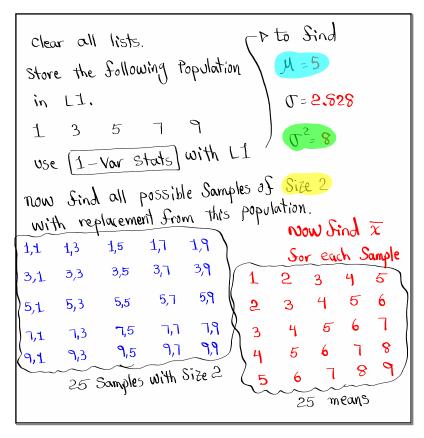
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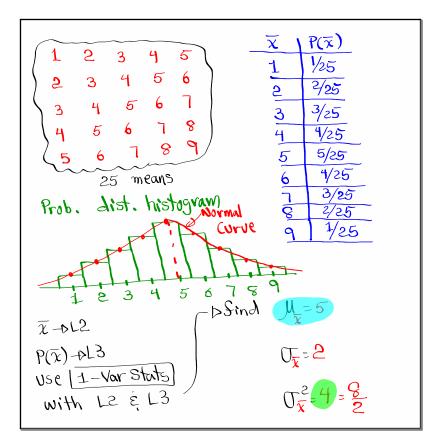
Apr 16-8:10 PM



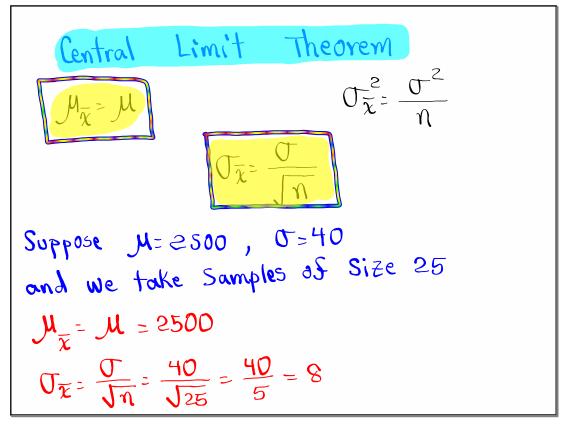
Apr 16-8:18 PM

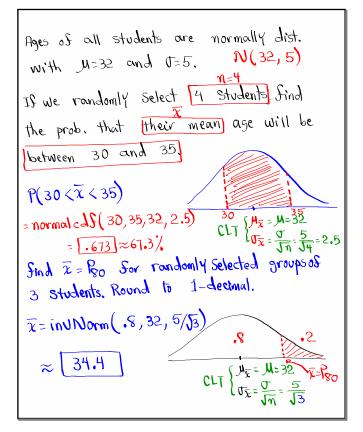


Apr 16-8:27 PM

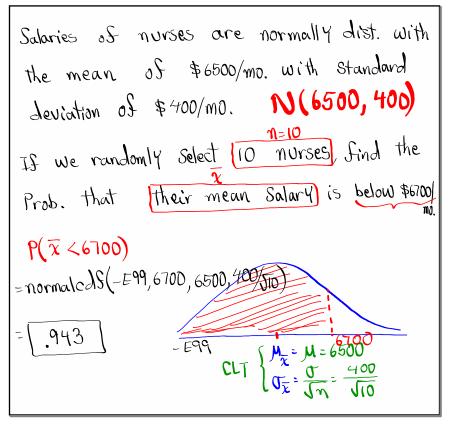


Apr 16-8:35 PM





Apr 16-8:48 PM



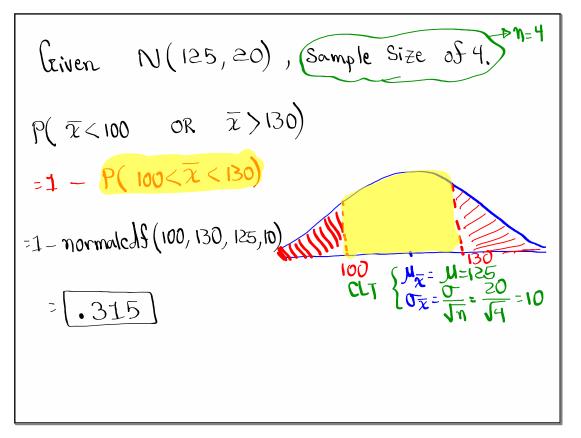
Apr 16-8:58 PM

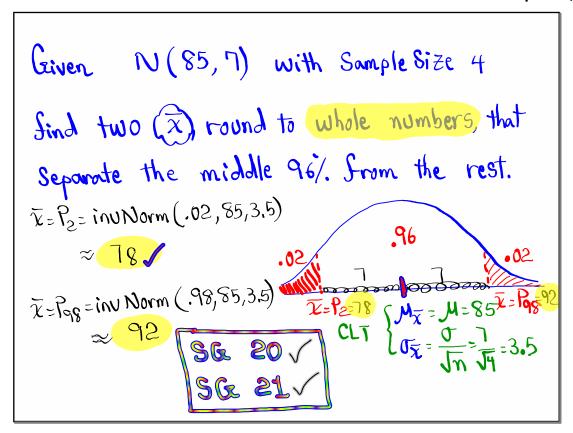
find 
$$\bar{\chi} = Q_{1}$$
 for randomly selected groups of 16 nurses.

25

 $\bar{\chi} = Q_{1}$ 
 $\bar{\chi} = Q$ 

Apr 16-9:07 PM





Apr 16-9:17 PM