



[Unit 5: Averages, Law of Large Numbers, and Central Limit Theorem](#)

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There will be two help forums for each week. One for the course material and practice problems, and one for homework problems. The content and homework forum will appear after the homework problems.

UNIT 5 CONTENT AND PRACTICE PROBLEM HELP & DISCUSSION FORUM

We encourage class participants to discuss the material and share their solutions and ideas for practice problems. The staff will be proactive in removing posts and replies in the discussion forums that have stepped over the line. Post practice forum questions and discussion to the forum below. Review the [course honor code and discussion policies before posting](#).

Please **REPLY** to the starter post or another current post, rather than starting a new post. If you are posting from the Discussion tab, please be sure to select the correct post category. This will help the course team and your peers respond to your posts more quickly.

For Practice Problems, **REPLY** to the thread that matches the problem number.

Unit 5 Forum: Content and Practice Problems

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Unit 5 - Practice Problem 2b
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Staff

9

cool
[i feel the questions asked were very intriguing and they challenged my thinking. i'm looking forward to more questions like this.](#)

2

 Something in the text is amiss	3
Hello Prof. Blitzstein, In section 5.4 'Indicator random variables and the fundamental bridge' where it says > As an example, we give a short proof of inclusion-exclusion...	
 Example 5.2.4 (Mean of Hypergeometric)	7
This reminds me of the discussion we had for example 3.5.2(e). We have an n-sequence of white and black balls instead of a sequence of numbers. Employ MrBB's arg...	
 Mathjax errors in section 5.7	2
The latex in section 5.7 is not rendering.	
 Unit 5 - Practice Problem 3a	5
Use this thread to discuss Practice Problem 3a of Unit 5.	
 Staff	
 Length-biasing and mothers	2
I do not understand why "asking randomly chosen mothers how many children they have yields a different distribution from asking randomly chosen people how man...	
 Theorem 5.10.1 (Central limit theorem): why multiply by sqrt(n)?	2
 If Cauchy is symmetric about zero, then why it's mean is not zero?	2
By symmetry argument we would expect the mean of Cauchy to be zero without doing any calculations. I don't understand why it is not defined.	
 When expectation is not defined	2
 Unit 5 - Practice Problem 4b	3
Use this thread to discuss Practice Problem 4b of Unit 5.	
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 Unit 5 - Practice Problem 2a	3
Use this thread to discuss Practice Problem 2a of Unit 5.	
 Staff	