edX   HarvardX: STAT110x
           Introduction to Probability

Help   sandipan_dey

3.3.5 Unit 3 Content and Practice Problem Help & Discussion Forum

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 3 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.

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☑ **Bernoulli distributions**   4

☑ **Random variables**   2

Hi, If two random variables are independent then the events associated with the random variables are also independent. Am I right? Thanks.

☑ **Ex. 3.5.2 F Solution**   2

It seems that the probabilities of all Yj are the same, however 100 being the 5th slip means none of the previous 4 were, so why is that probability not 0.99 * 0.98 * 0.97...

☑ **Meaning of "r.v.s"**   3

What does "r.v.s" mean? Does it mean "random variable sample space"?

💬 **Example 3.8.9 (Mystery opponent)**   7

☑ **Example 3.5.2 (d)**   17

I am a bit confused dependence of Y1,..,Y5 with symmetry argument that j-th slip drawn is equally likely. My question is that before j-th slip is drowned, (j-1) slips were a...

☑ **theorem 3.8.5**   4

on theorem 3.8.5 section, why p(y=k-j|x=j)=p(y=k-j)?

💬 **Definition discrete random variable**   7

According to definition 3.2.1 A random variable is said to be discrete if there is a finite list of values or an infinite list of values such that P(X=a_j for some j)=1, but in exa...

💬 **Unit 3 - Practice Problem 1**   1

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💬 **Unit 3 - Practice Problem 2**   1

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