Results of Lab 1

Bookmark this page

Numerical Input

2 points possible (graded)

Results of Lab1

Please fill in the values that have been returned at the end of the lab when executing the code with your inputs:

V1	
V2	
Submit	
? NEED ANY HELP?	

Ask your questions about this specific se

Ask your questions about this specific section and lesson below! We encourage you to answer each other's questions. One of the best ways to reinforce your own knowledge of a topic is to explain it to someone else!

Discussions about Lab 1

Topic: Labs / Lab 1

Hide Discussion

Add a Post

All Posts
Lab 1 discussion posted 4 months ago byA_Hopma
Please ask your questions about Lab 1 here. We're here to help!
This post is visible to everyone.
Add a Response 4 responses
mirlidex about a month ago
Everything worked out great for this first week. Thanks for the course.
Thank you mirlidex!
posted about a month ago by Sandrine_VATON (Staff)
Add a comment

Sandrine_VATON (Staff) about a month ago Hi, First of all I would like to make sure that you have read the instructions in Week 0/ About the Labs/How to use notebooks Variables Vi are computed automatically if you run the cells of the notebook once you have completed the code. If the way you have completed the code is correct, then you should automatically get correct values for V1 and V2. These variables are there just to check that the code works fine. I hope that this helps. Please tell us if you need additional hints. Best regards, HI, I have a problem with Q1 only. I hope I am filling the right coefficient for V1=lambda_??

posted about a month ago bydaud_minhas

What is the cumulative distribution function $F(x)$ for a exponential distribution, and what then is its inverse $F^{-1}(x)$?	
Perhaps it would have been even clearer if the code had been	
data = V1 * log(1 - rand(N))	
But if rand(N) is $U(0,1)$ then also 1-rand(N) is $U(0,1)$, which justifies the code as is.	
V1 indeed is function of lambda_ but V1=lambd a_might not be correct.	
posted about a month ago by mrBB	
Perfect Thanks	
posted about a month ago by daud_minhas	
Thank you mrBB for helping!	
posted about a month ago by Sandrine_VATON (State	ff)

One can also use the exponential distribution function from numpy to draw the N samples of an exp(lambda_) distribution like this. Right? import numpy as np lambda_=2 N=10**5 data= np.random.exponential(s cale=1/lambda_,size=N) posted about a month ago byFirmin_py Of course, and it is interesting to note that, internally, numpy also uses the CDF inversion method to sample from the exponential distribution. From numpy source code, distributions.c, line 110: double rk_standard_exponent ial(rk_state *state) /* We use log(1-U) since U is [0, 1) */ return -log(1.0 - rk_double(state)); posted about a month ago by Maxime Mouchet (Staff)

Add a comment

Anita-Hsu 23 days ago	
HI, I have a questic don't know how to g correct answer for ' V1= 2.00 and V2 =	get V1: My
I barely know MySo don't know anything python. I tried to fol the instruction to us notebook and fill in in	g about low se the
however, I still canr the correct V1. can someone help me?	-
thank you so much	!
Hi,	
You can have a loo mrBB answer abov to find the inverse ocumulative distribut function of the exponential distribuand V1 should follo	e. Try of the tion ution,
posted 22 days ago by MaximeMo u	uchet (Staff)
Add a comment	10
Am4719 7 days ago	
Hi,	

What resources could i read or watch to understand the mathematical equations? I'm lost with term :(I wanted to participate in this course to understand queuing theory for manufacturing application but finding it difficult to follow heavy maths. Any help would be hugely appreciated :)

Thank you for the course,

Regards

Hi Am4719,

I think that you should follow an introductory course on probability.

Regards,

posted 6 days ago by**Sandrine_VATON** (Staff)