sandipan\_dey 🗸

<u>Course</u>

<u>Progress</u>

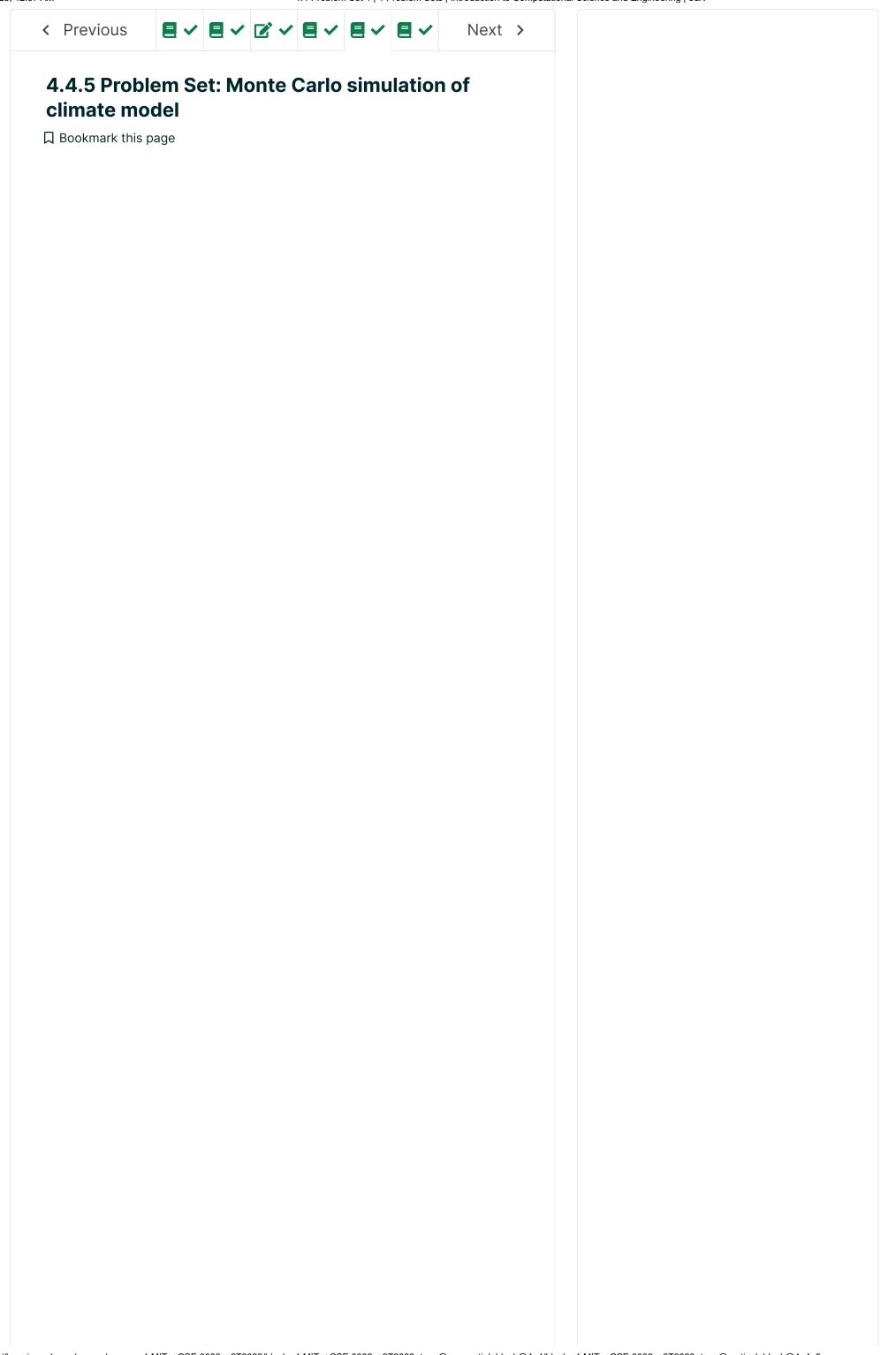
<u>Dates</u>

**Discussion** 

MO Index







1. In the sample\_climate\_results function, implement a Monte Carlo simulation of the climate model, with the sample size given by Nsample and the random inputs described in Section <u>4.4.2</u>. Calculate the max temperature rise in each run of the simulation, and plot the histogram of those results. Uncomment the last two try-except blocks in the main block of climate.py, and run the file to see the histograms.

While your specific values will vary, your histograms should look roughly similar to Figures 4.20 and 4.21. Include axis labels and a plot title identical to that shown in these figures. (Use  $\Delta T$  in the x-axis label to get the  $\Delta C$  character.) Use the density=True option for the histogram plot.

2. In the calc\_percentiles function, determine the 5th-, 50thand 95th-percentiles of the maximum temperature rise distribution in your sample. Use NumPy's percentile function **Discussions** 

All posts sorted by recent activity

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<u>to calculate</u> and return them. (Look up its documentation (a) Also print these values out with same formatting and precision shown below. These are values for the growth

Abathax 5%: 5.97 K Affiditates 50%: 7.41 K

ed a Trown Business 8.61 K

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And for the decline scenario:

5%: 0.44 K dTmax

50%: 1.16 K dTmax

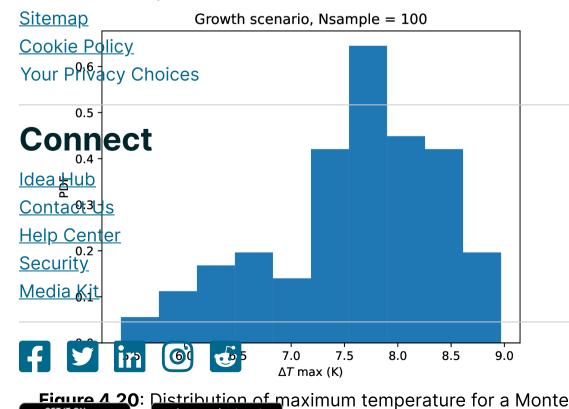
**Lega** 95%: 1.82 K

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of 100 for growth scenario.

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