Programming Assignment

Download the Lecture Notebooks here.

Make sure to test out the "What is probability?" lecture before attempting the homework.

Download Assignment Here

When you have complete the specified `"Modify this cell"` portions of the notebook. Submit you notebook using the interface below.

The interface will tell you how many "execution failures" your notebook has. 0 execution failures out of 3 checks means you receive 100%. 1 execution failure means you receive $\frac{2}{3}$ points and so on.

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seq_sum

1 point possible (graded)

For the `seq_sum` function in Exercise 1, which of the following is a possible output to `seq_sum(2)`?

- [x] 0 ✔
- [x] 1 ✔
- [x] 2 ✔

- [ ] 3

Submit You have used 0 of 3 attempts

Answers are displayed within the problem

estimate_prob 1

0.0/1.0 point (graded)

In the function `estimate_prob(n,k1,k2,m)` how many times should the `seq_sum` be called?

- [ ] n times
- [x] m times
- [ ] $k2 - k1$ times
- [ ] 0 times, `estimate_prob` does not use `seq_sum`

Submit You have used 0 of 2 attempts

Answers are displayed within the problem

estimate_prob 2

1 point possible (graded)

Which of the following is the most plausible answer for `estimate_prob(100,40,60,1000)`

Hint: Try running the function a few times to find out.

- [ ] 1.50

- 0.95 ✔
- 0.75
- 0.53
- 0.10

Submit You have used 0 of 2 attempts

Answers are displayed within the problem