

Poisson Distribution

#5

The number of misprints on a page of *The Economic Times* has a Poisson distribution with mean 1.2. Find the probability that the number of errors -

1. on page 10 is 2;
2. on page 1 is less than 3;
3. on first ten pages totals 5;
4. on all forty pages adds up to at least 3.

Submission Modes and Output Format

You may submit either an R or Python program to accomplish the above task, or solve the problem on pen-and-paper. Your output should be four floating point/decimal numbers, correct to 3 places of decimal.

1. In the text box below, enter four floating point/decimal numbers as answers to the four questions.
2. Alternatively, you may submit an R program, which uses the above parameters (hard-coded) and computes the answer.

Your answer should resemble something like:

```
9.123
8.123
7.123
6.124
```

(This is **NOT** the answer, just a demonstration of what the answering format should resemble).