Lab Assignment - 1

Instructor: Dr. Arabin Kumar Dey

1 Due date:

- 05/08/2019.

2 Notes:

- Submit the codes in all R or Python corresponding to the questions.
- Make a proper documentation preferably in latex or using some other software and submit the printout of the report in .pdf form.
- Each student needs to write his/ her own solutions, even though discussions of the assignments between students are encouraged.

3 Assignment:

Generate 100, 200 and 1000 random numbers (X_1, X_2, X_3, X_4) from Multinomial distribution with parameter $n = 10$, $p_1 = 0.4, p_2 = 0.3, p_3 = 0.2, p_4 = 0.1$ where $X_1 + X_2 + X_3 + X_4 = 10$.

How do you cross-check your generated numbers are correct ?