Lecture A5.Simulation 2

Baek, Jong min

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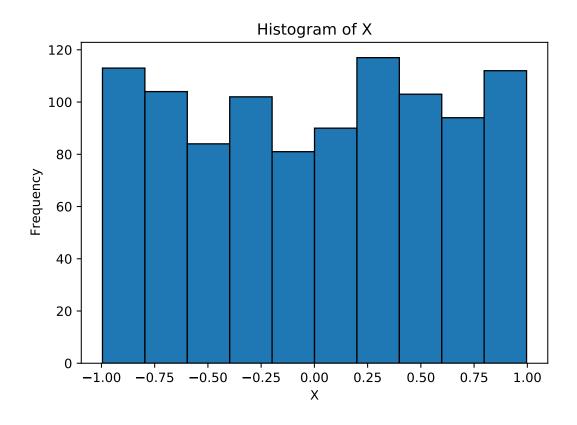
Exercise(Page.10)

Using runif() function in R, complete the following code block that generates 1,000 random numbers that follow *exp*(5)?

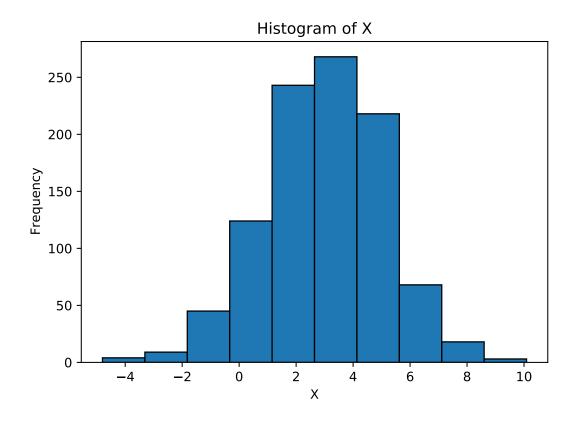
```
import numpy as np
import math
N = 1000
u = np.random.uniform(low=0,high=1,size=N)
x = np.log(1-u)/3
print(x[:5])
```

```
## [-0.18435978 -0.19304834 -0.1659015 -0.07853541 -0.10234903]
```

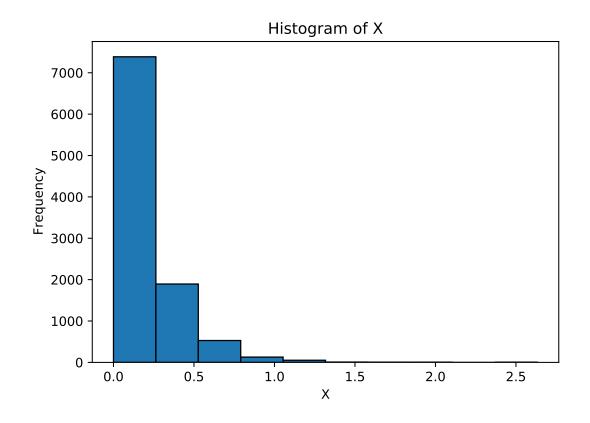
Uniform random numbers(Page.15)



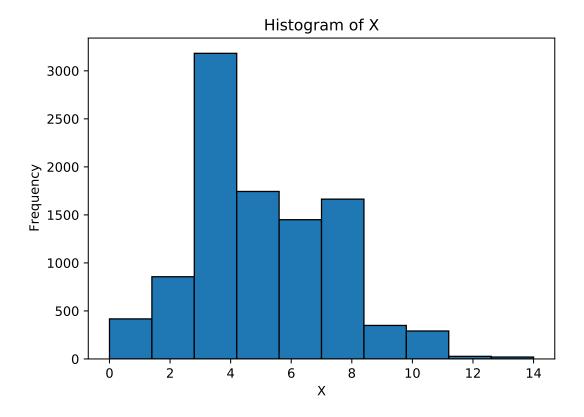
Normal random numbers(Page.16)



Exponential random numbers(Page.17)



Poisson random numbers(Page.18)



A5.Rmd

```
"No pain No gain"
```

[1] "No pain No gain"