

homework#4

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hw_4.cran1.txthistogram_ran1.pyhistogram_gauss.pygauss.txtmakefile

homework_4 > ran1.txt
1 -2.356246
2 0.707902
3 -0.315486
4 -2.532104
5 1.698046
6 1.421443
7 0.635915
8 -1.335579
9 2.335386
10 3.364457
11 -1.091030
12 -1.075652
13 -0.485145
14 0.405622
15 2.816757
16 3.937262
17 2.365463
18 -0.311005
19 3.634350
20 3.332572
21 1.908334
22 -0.447679

문제1출력디버그 콘솔터미널포트

터미널

Code - homework_4

> python -u "/Users/mac/Desktop/3-2/수치해석/homework_4/histogram_ran1.py"
> python -u "/Users/mac/Desktop/3-2/수치해석/homework_4/histogram_gauss.py"
> make
make: `runMain' is up to date.
> ./runMain
Generating number?
10000
10000 random samples written to 'ran1.txt'.
10000 random samples written to 'gauss.txt'.
> python -u "/Users/mac/Desktop/3-2/수치해석/homework_4/histogram_gauss.py"
> python -u "/Users/mac/Desktop/3-2/수치해석/homework_4/histogram_ran1.py"
> python -u "/Users/mac/Desktop/3-2/수치해석/homework_4/histogram_ran1.py"
python -u "/Users/mac/Desktop/3-2/수치해석/homework_4/histogram_gauss.py"
> python -u "/Users/mac/Desktop/3-2/수치해석/homework_4/histogram_gauss.py"
python -u "/Users/mac/Desktop/3-2/수치해석/homework_4/histogram_gauss.py"
> python -u "/Users/mac/Desktop/3-2/수치해석/homework_4/histogram_gauss.py"
> ./runMain
Generating number?
1000
1000 random samples written to 'ran1.txt'.
1000 random samples written to 'gauss.txt'.

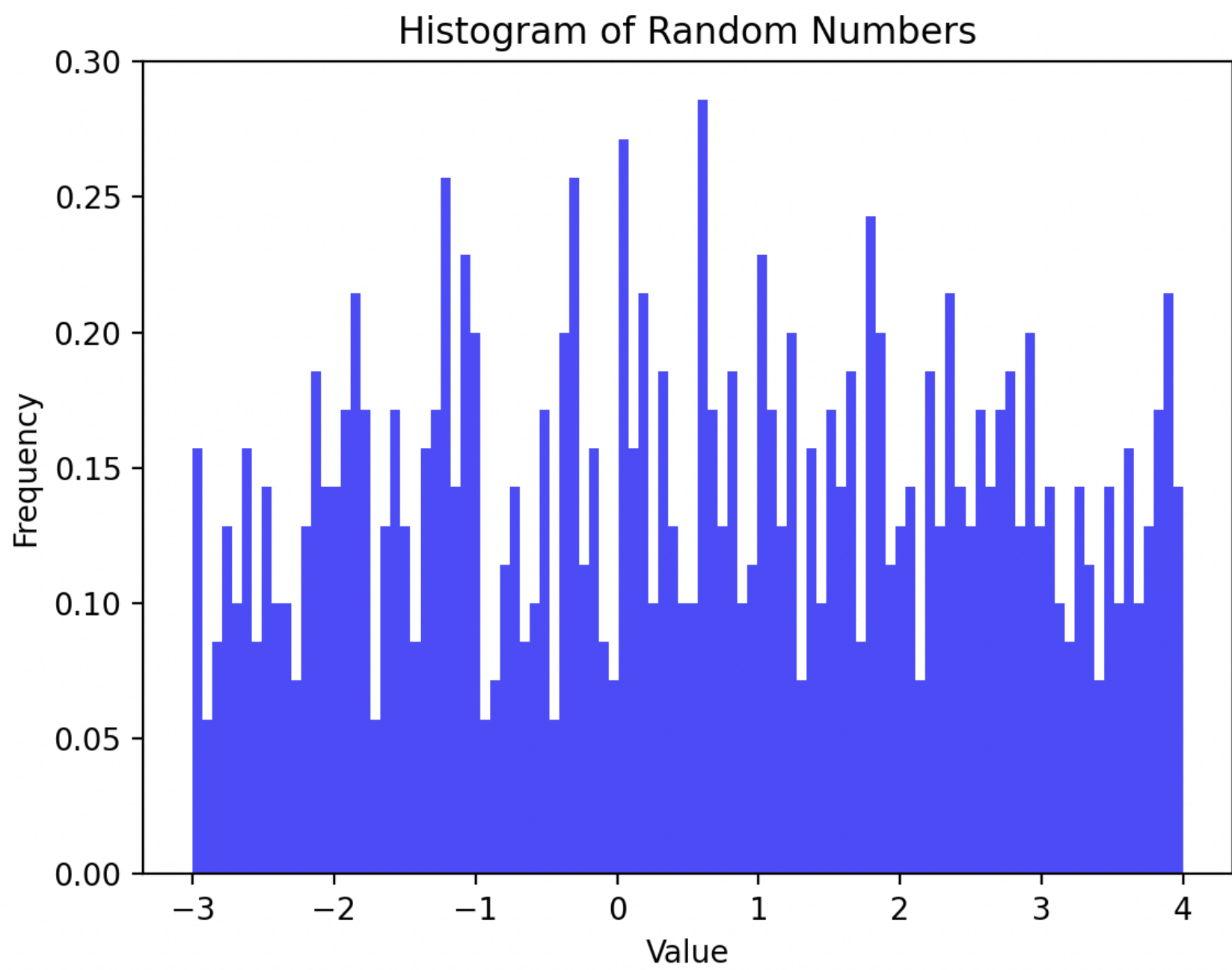
~/Desktop/3-2/수치해석/homework_4

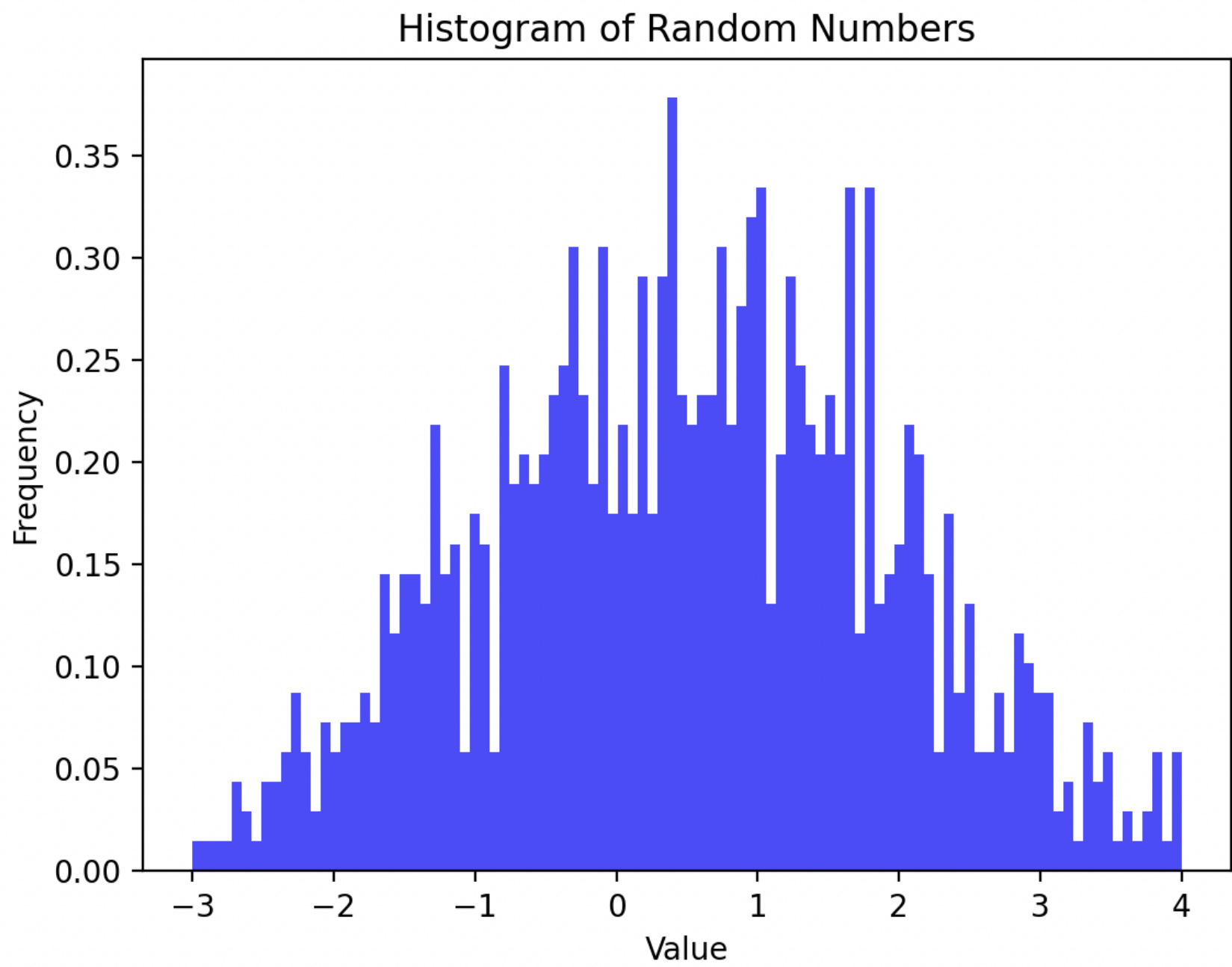
at 16:34:46

<1000개>

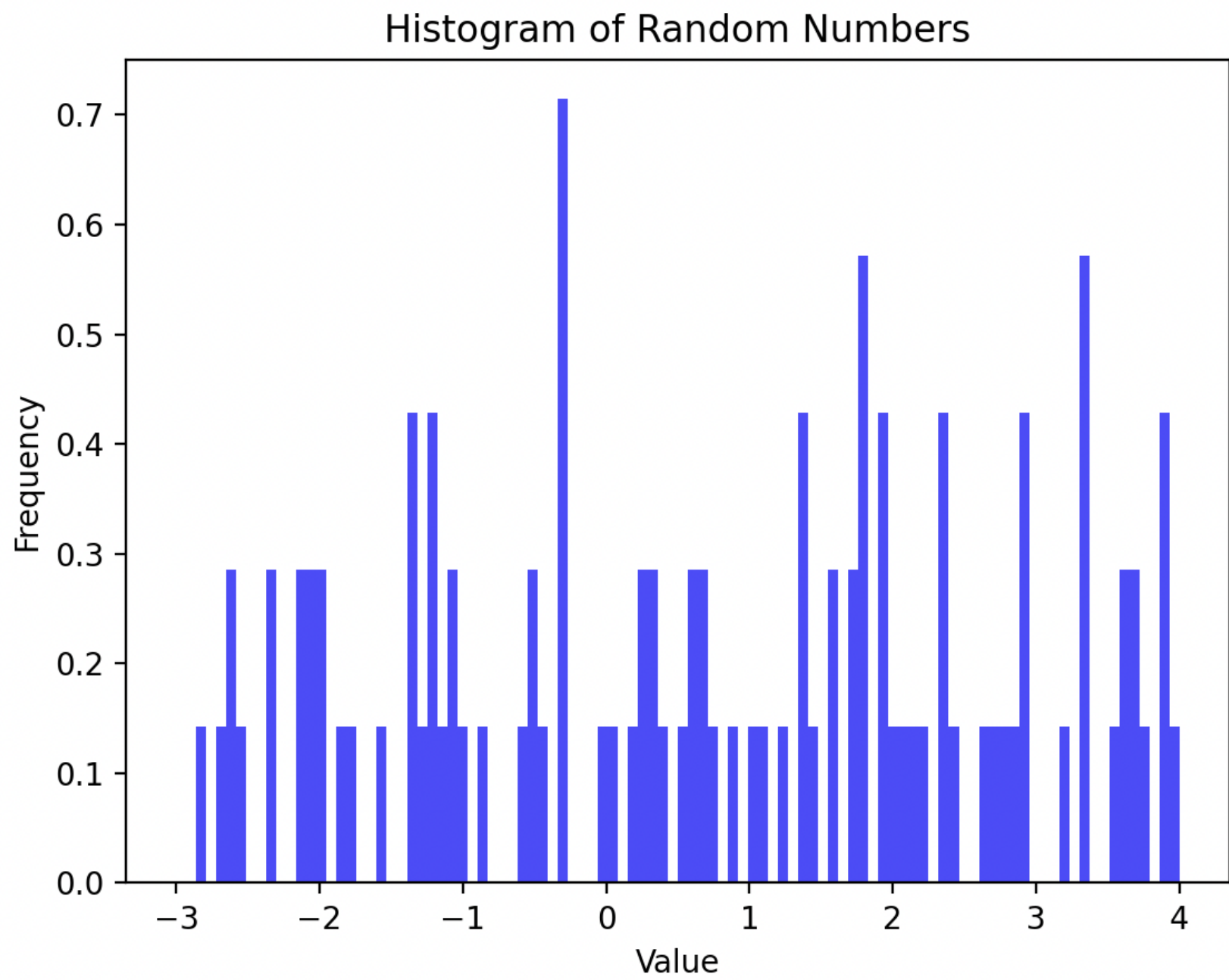
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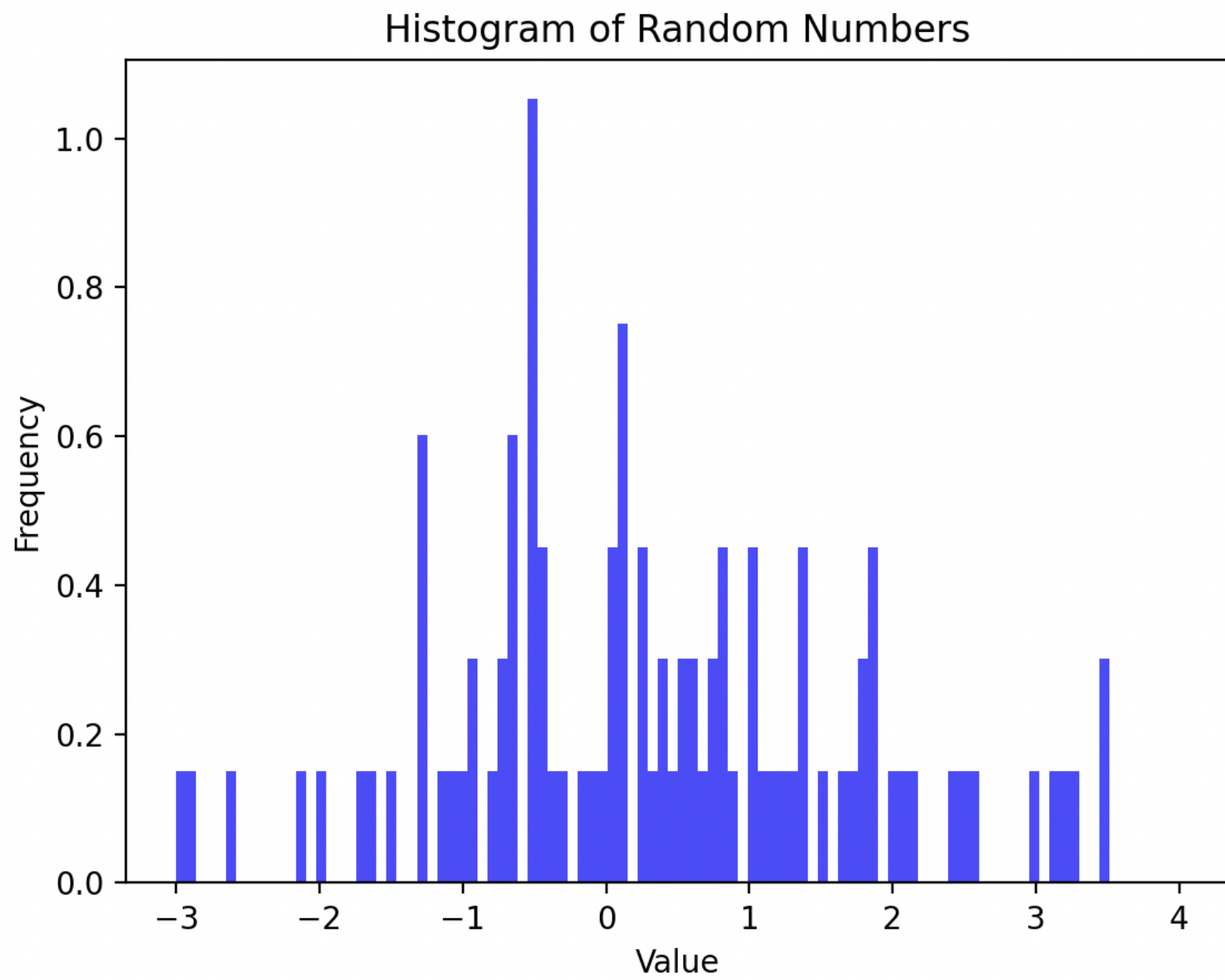
1



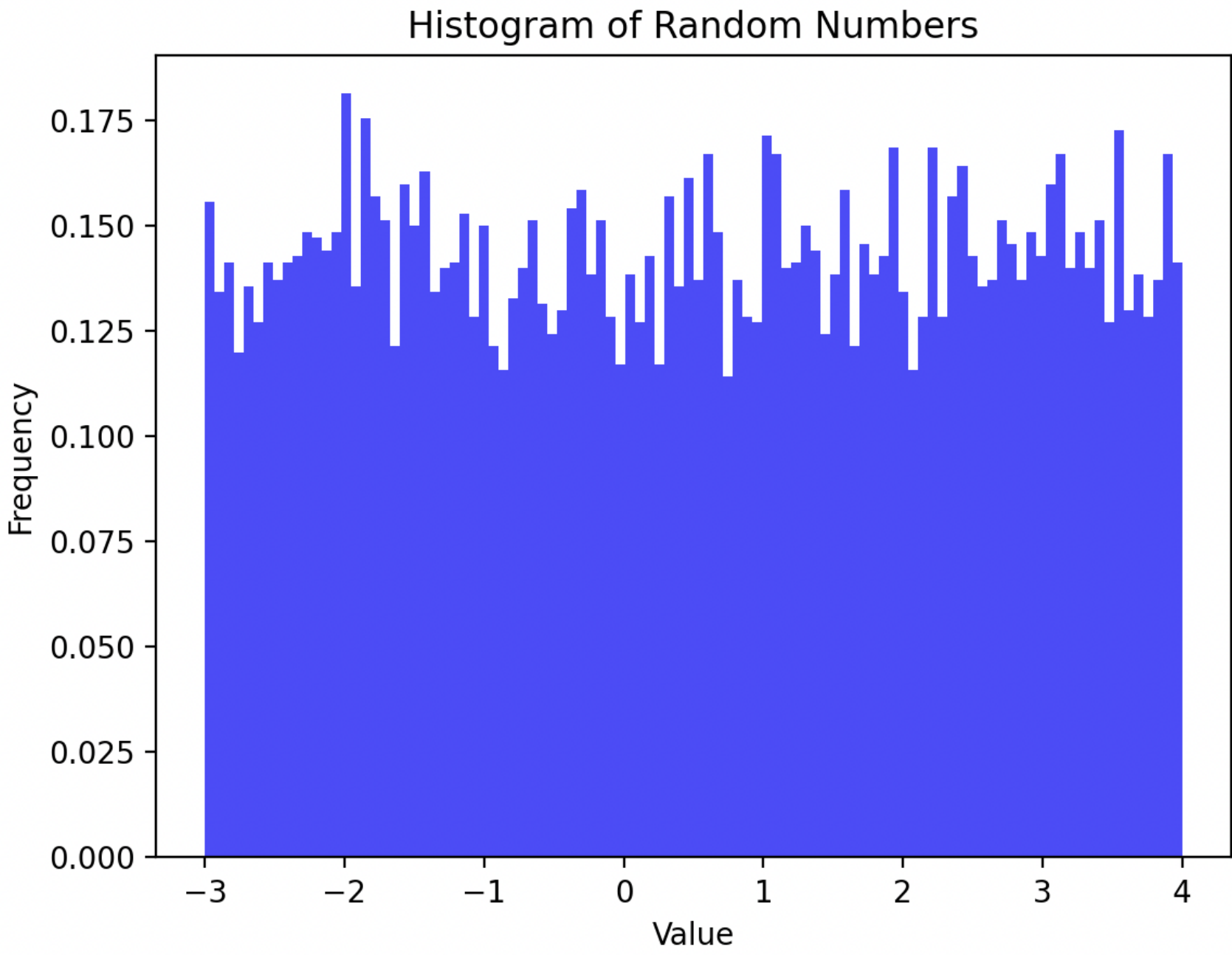


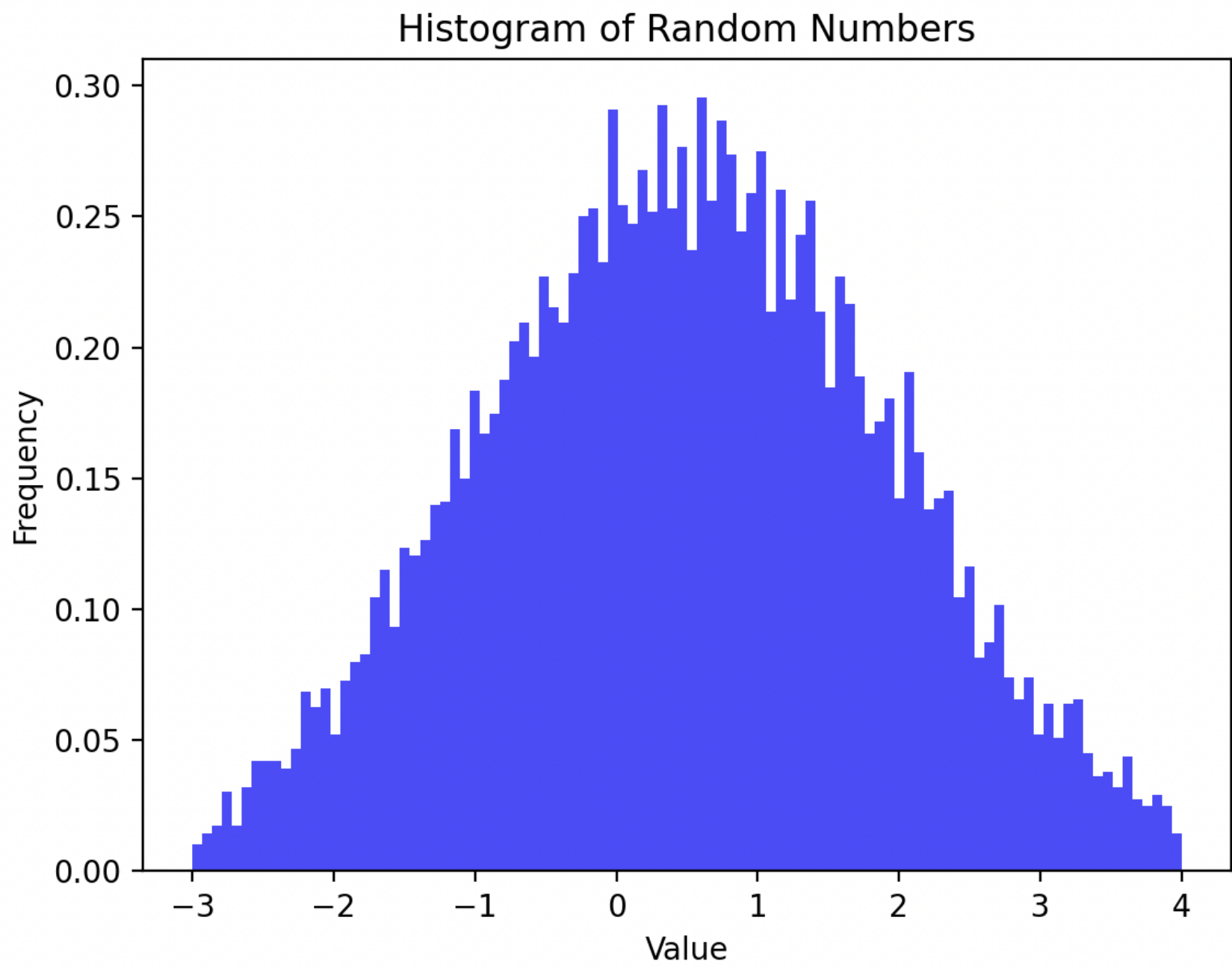
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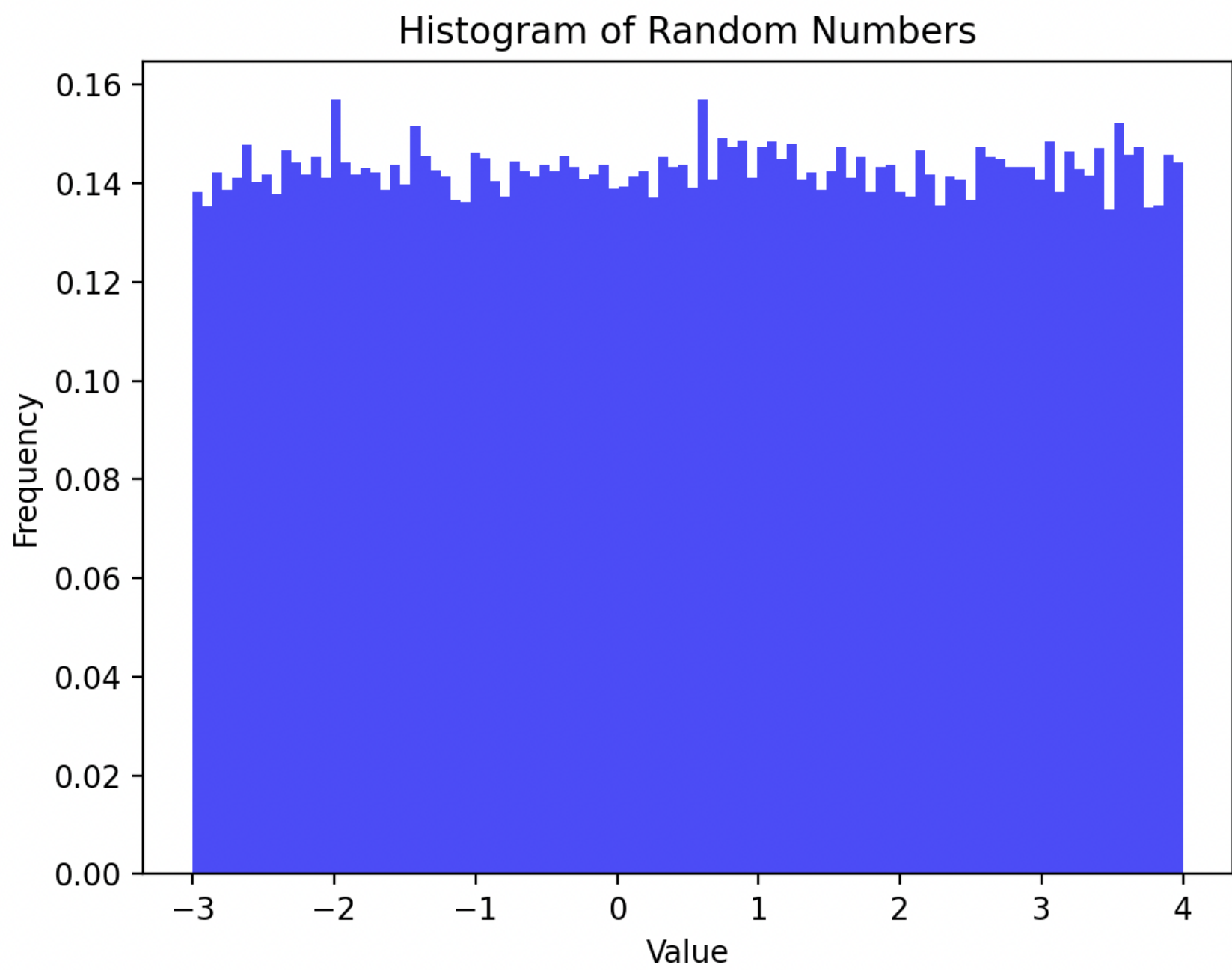


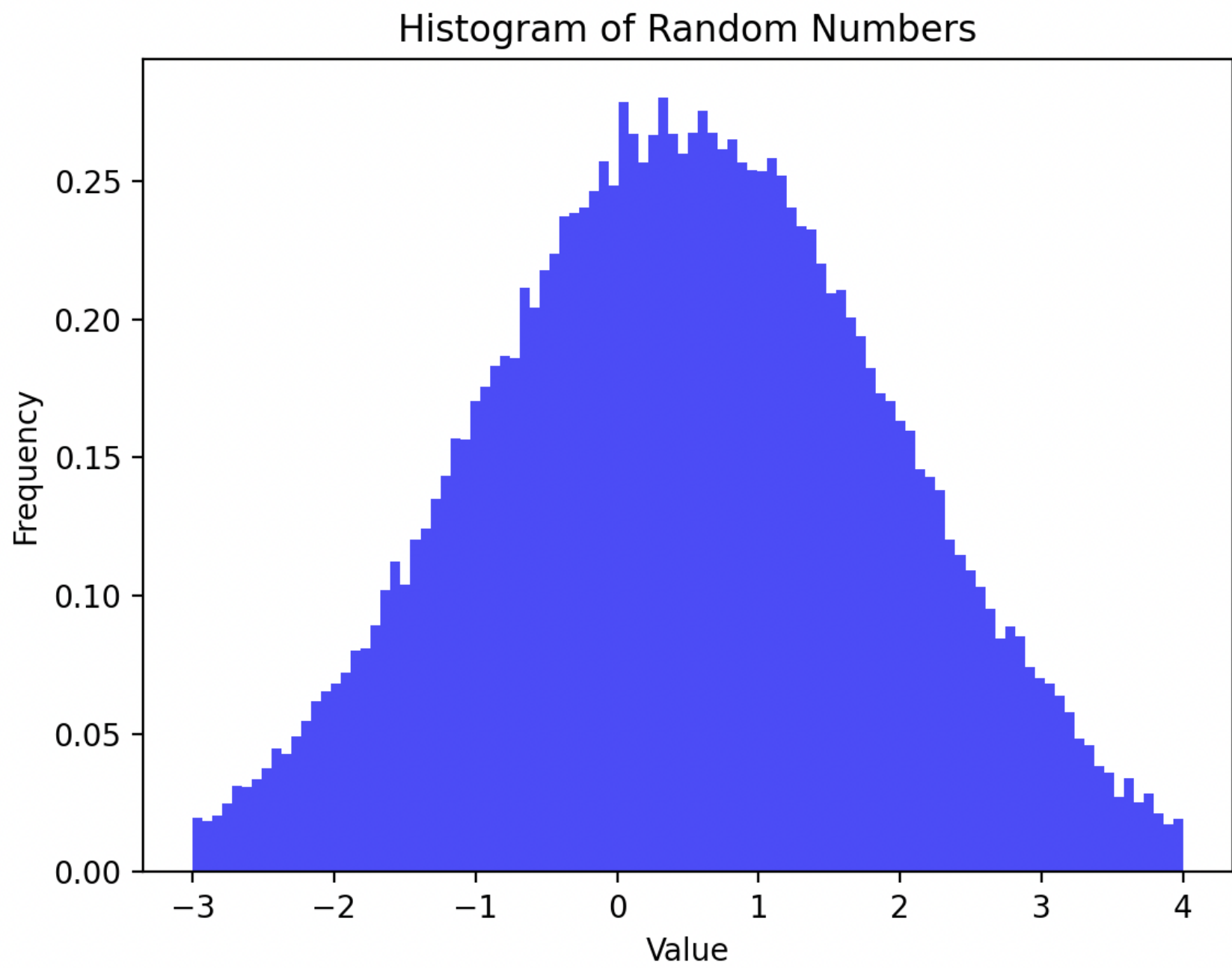
<10000개>





<100000개>





숫자가 커지면 커질수록 큰수의 법칙에 의거하여 점점 더 gasdev의 경우 정규분포의 모습을 띄는 것을 볼 수 있다.