

(2) 正規分布に従う乱数

SEIKI BUNPU NI SHITAGAU RANSU NO BUNPU			ISN	STATEMENT
MIN	MAX	KOSU	1	C SEIKI BUNPU NI SHITAGAU RANSU TO HISTGRAM
			2	C NO SUBROUTINE
			3	SUBROUTINE NRAM(X,HEI,HEN)
			4	Z=6.0
			5	DO 10 I=1,12
			6	CALL URAM(U)
			7	Z=Z+U
			8	10 CONTINUE
			9	X=Z*HEN*HEY
			10	RETURN
			11	END

MIN	MAX	KOSU
-3.00	-2.80	0 *
-2.80	-2.60	2 **
-2.60	-2.40	6 *****
-2.40	-2.20	8 *****
-2.20	-2.00	7 *****
-2.00	-1.80	14 *****
-1.80	-1.60	19 *****
-1.60	-1.40	39 *****
-1.40	-1.20	27 *****
-1.20	-1.00	47 *****
-1.00	-0.80	63 *****
-0.80	-0.60	61 *****
-0.60	-0.40	79 *****
-0.40	-0.20	81 *****
-0.20	0.00	74 *****
0.00	0.20	83 *****
0.20	0.40	66 *****
0.40	0.60	55 *****
0.60	0.80	64 *****
0.80	1.00	52 *****
1.00	1.20	33 *****
1.20	1.40	35 *****
1.40	1.60	26 *****
1.60	1.80	20 *****
1.80	2.00	11 *****
2.00	2.20	15 *****
2.20	2.40	5 *****
2.40	2.60	4 *****
2.60	2.80	1 *
2.80	3.00	0 *

RANSU NO (HEIKIN=0.052 BUNSAN= 1.033 HIYOUJUN-HENSA= 1.016)

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(3) ポアソン分布に従う乱数

P(RAM)BUNPU NI SHITAGAU RANSU NO BUNPU			POISSON BUNPU..RANSU P(RAM)																			
MIN	MAX	KOSU	4.	4.	3.	2.	1.	3.	2.	3.	2.	2.	0.	4.	1.	1.	2.	1.	1.	1.	3.	3.
0.00	1.00	41	*****																			
1.00	2.00	74	*****																			
2.00	3.00	76	*****																			
3.00	4.00	67	*****																			
4.00	5.00	30	*****																			
5.00	6.00	9	*****																			
6.00	7.00	2 **																				
7.00	8.00	1 *																				
8.00	9.00	0 *																				
9.00	10.00	0 *																				
10.00	11.00	0 *																				
11.00	12.00	0 *																				
12.00	13.00	0																				
13.00	14.00	0																				
14.00	15.00	0																				
15.00	16.00	0																				
16.00	17.00	0																				
17.00	18.00	0																				
18.00	19.00	0																				
19.00	20.00	0																				
20.00	21.00	0																				
21.00	22.00	0																				
22.00	23.00	0																				
23.00	24.00	0																				
24.00	25.00	0																				
25.00	26.00	0																				
26.00	27.00	0																				
27.00	28.00	0																				
28.00	29.00	0																				
29.00	30.00	0																				
30.00	31.00	0																				
31.00	32.00	0																				
32.00	33.00	0																				
33.00	34.00	0																				
34.00	35.00	0																				
35.00	36.00	0 *																				
36.00	37.00	0 *																				
37.00	38.00	0 *																				
38.00	39.00	0 *																				
39.00	40.00	0 *																				

ISN	STATEMENT	KOSU
1	C POISSON BUNPU NI SHITAGAU RANSU	2.
2	SUBROUTINE PRAM(AVE,K)	1.
3	K=0	3.
4	P=1.0	2.
5	EA=EXP(-AVE)	1.
6	DO 100 I=1,200	
7	CALL URAM(U)	
8	P=P*U	
9	IF(P.LT.EA)GO TO 200	
10	K=K+1	
11	100 CONTINUE	
12	200 RETURN	
13	END	

RANSU NO (HEIKIN= 2.037 BUNSAN= 1.875 HIYOUJUN-HENSA= 1.369)

RAMDA= 2.0 NO POISSON BUNPU...P(RAM)

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