Seeds =  $X_i$ , Multiplier = a, Increment = c, Modulus = m  $X_{i+1} = (aX_i + c) mod(m); i = 0,1,2,3, ...$ 

									Step 01												
	X <sub>o</sub>	=	3	Sr	Xn	Mod Value	Random Number	largest	Random N		i	1	2	3	4	5	6	7	8	9	10
				1	39	39	0.609			0.109	R(i)	0.109375	0.359375	0.421875	0.546875	0.609375	0.671875	0.734375	0.796875	0.921875	0.984375
I .		=	13	2	507	59	0.922	þ		0.359	i/N	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
	а			3	767 819	63 51	0.984 0.797	allest		0.422 0.547	Step 02	-0.01	-0.16	-0.12	-0.15	-0.11	-0.07	-0.03	0.00	-0.02	0.02
				5	663		0.359	nal		0.547	$D^{+} = \frac{1}{N} - R_{i}$	-0.01	-0.16	-0.12	-0.15	-0.11	-0.07	-0.03	0.00	-0.02	0.02
	С	=	0	6	299		0.672	to sm		0.672	n										
				7	559		0.734	Ť.		0.734	$D^- = R_i - \frac{t-1}{N}$	0.109375	0.259375	0.221875	0.246875	0.209375	0.171875	0.134375	0.096875	0.121875	0.084375
				8	611	35	0.547	ver		0.797											
	m	=	64	9	455	7	0.109	Ö		0.922	$\alpha =\rightarrow$	=	0.25								
				10	91	27	0.422	0	+	0.984	Confidence Interval										
											Step 3:										
Class Activ	vity: 18th De	ecember, 20	24 CS312 Compu	ter							$D = \max(D^+, D^-)$	0.11	0.26	0.22	0.25	0.21	0.17	0.13	0.10	0.12	0.08
Simulation	n, with N=10																				
												This is a	Not a	This is a	This is a	This is a	This is a	This is a	This is a	This is a	This is a
												random	Random	random	random	random	random	random	random	random	random
												number	Number	number	number	number	number	number	number	number	number