Congruent	Incongruent					bins	normal distribution (A)	normal distribution (B)
12.079	19.278	mean(A)	14.051125			0	0.00004629311459	0.000002218837931
16.791	18.741					5	0.004419569623	0.0001540699291
9.564	21.214	variance(A)	4887.793435			10	0.02685101063	0.003609874854
8.63	15.687	SD(A)	3.559357958			15	0.02789325941	0.02853963222
14.669	22.803					20	0.02562867608	0.07613538714
12.238	20.878					25	0.02082770202	0.06853409955
14.692	24.572	mean(B)	22.01591667			30	0.01497079338	0.02081655336
8.987	17.394	variance(B)	11797.9394			35	0.009517799552	0.002133501239
9.401	20.762	SD(B)	4.797057122			40	0.005352005722	0.0000737834464
14.48	26.282					45	0.002661857862	0.0000008610075053
22.328	24.524					50	0.001170958303	0.000000003390290398
15.298	18.644					55	0.0004556026871	0
15.073	17.51					60	0.0001567903756	0
16.929	20.33					65	0.00004772443561	0
18.2	35.255					70	0.00001284844231	0
12.13	22.158					75	0.000003059485745	0
18.495	25.139					80	0.0000006443690406	0
10.639	20.429					85	0.0000001200353534	0
11.344	17.425					90	0.0000000197775259	0
12.369	34.288					95	0.000000002882192777	0
12.944	23.894					100	0.0000000003715030351	0
14.233	17.96					105	0	0
19.71	22.058					110	0	0
16.004	21.157					115	0	0

Box plot for (A) and (B)

	minimum	lower-quartile	upper-quartile	maximum
Congruent(A)	8.63	11.89525	16.20075	22.328
Congruent(B)	15.687	18.71675	24.0515	35.255

Congruent(A) and Incongruent(B)

normal distribution(A) vs. bins

normal distribution (B) vs. bins