























## problems



- the procedure as it stands suffers from serious drawbacks
- 1) measuring distance only to the closest nearest neighbor can result in observed mean distance values d<sub>E</sub> that are not logically consistent
- to get around this problem the approach can be modified to take the average distance from k closest points
- k is called the order





<ul> <li>for test statistics for randomness this table can be used</li> </ul>	order		1
		ß <sub>1</sub>	ß <sub>2</sub>
	1	0.5000	0.2613
	2	0.7500	0.2722
	3	0.9375	0.2757
	4	1.0937	0.2775
	5	1.2305	0.2784
	6	1.3535	0.2789



















Municipio	Area	×	Y	neighbour	distance	
Aguada	30.21	20.0314	54.6399	Rincon	3.44	
Aguadilla	35.57	23.1881	61.1065	Moca	5.74	4 3
Anasco	40.05	23.8571	50.1807	Mayaguez	5.18	
Cabo Rojo	72.35	22.6322	34.4176	Hormigueros	6.36	
Guanica	36.52	36.6477	30.8942	Sabana Grande	6.76	
Hormigueros	11.16	24.7229	40.4245	Mayaguez	4.67	
Isabela	55.47	29.103	60.8053	Moca	6.38	
Lajas	60.23	29.4894	32.815	San German	6.23	
Las Marias	47.03	32.1001	47.2462	Maricao	5.02	
Maricao	36.85	34.9884	43.1383	Las Marias	5.02	
Mayaguez	56.95	24.8361	45.0923	Hormigueros	4.67	
Моса	50.43	25.8709	56.0336	Aguadilla	5.74	
Rincon	14.14	17.0815	52.8758	Aguada	3.43	
Sabana Grande	35.24	35.0721	37.4654	Maricao	5.67	
San German	53.9	29.2389	39.0352	Hormigueros	4.72	
San Sebastian	70.8	32.6112	53.1334	Las Marias	5.91	
	706.9				84.94	



