Average Nearest Neighbor Summary

Nearest Neighbor Ratio: 0.942690
z-score: -2.683336
p-value: 0.007289

Significance Level (p-value)		Critical Value (z-score)
0.01		< -2.58
0.05		-2.58 – -1.96
0.10		-1.96 – -1.65
---		-1.65 – 1.65
0.10		1.65 – 1.96
0.05		1.96 – 2.58
0.01		> 2.58

(Random)

Significant   Significant

Clustered   Random   Dispersed
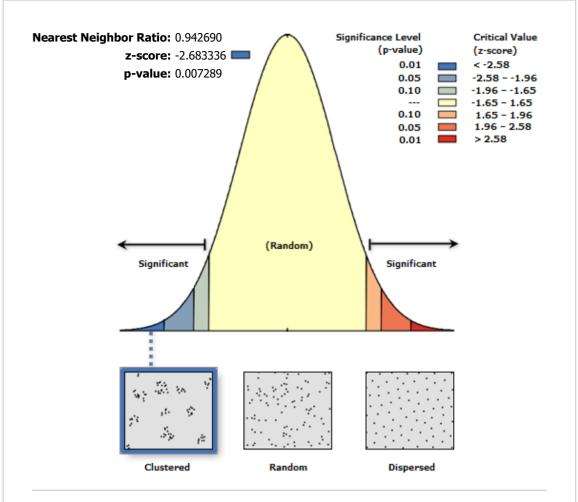
Given the z-score of -2.683336, there is a less than 1% likelihood that this clustered pattern could be the result of random chance.

Average Nearest Neighbor Summary

Observed Mean Distance:	7127.8819 Meters
Expected Mean Distance:	7561.2155 Meters
Nearest Neighbor Ratio:	0.942690
z-score:	-2.683336
p-value:	0.007289

Dataset Information

Input Feature Class:	AR_Tornados_UTM
Distance Method:	EUCLIDEAN
Study Area:	136984065224.455002
Selection Set:	False