

Spatial Autocorrelation Report

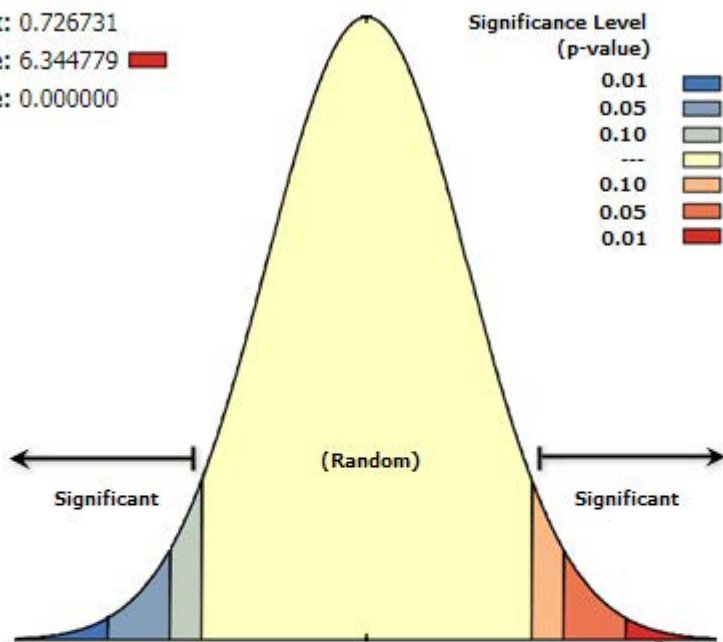
Moran's Index: 0.726731

z-score: 6.344779

p-value: 0.000000

Significance Level
(p-value)

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



Dispersed



Random



Clustered

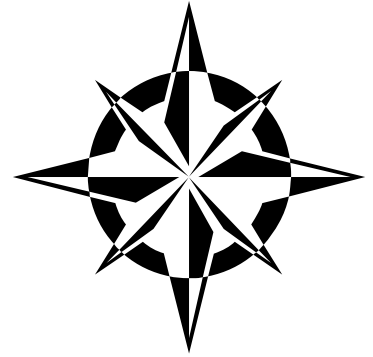
Given the z-score of 6.34477907871, there is a less than 1% likelihood that this clustered pattern could be the result of random chance.

Global Moran's I Summary

Moran's Index:	0.726731
Expected Index:	-0.040000
Variance:	0.014603
z-score:	6.344779
p-value:	0.000000

Dataset Information

Input Feature Class:	crime_rate
Input Field:	CRIME_RATE.CRIME_RATE
Conceptualization:	INVERSE_DISTANCE
Distance Method:	EUCLIDEAN
Row Standardization:	True
Distance Threshold:	1785.8634 Meters
Weights Matrix File:	None
Selection Set:	False



서울시 데이터 분포패턴 분석

✈ 2000년 인구 중심점

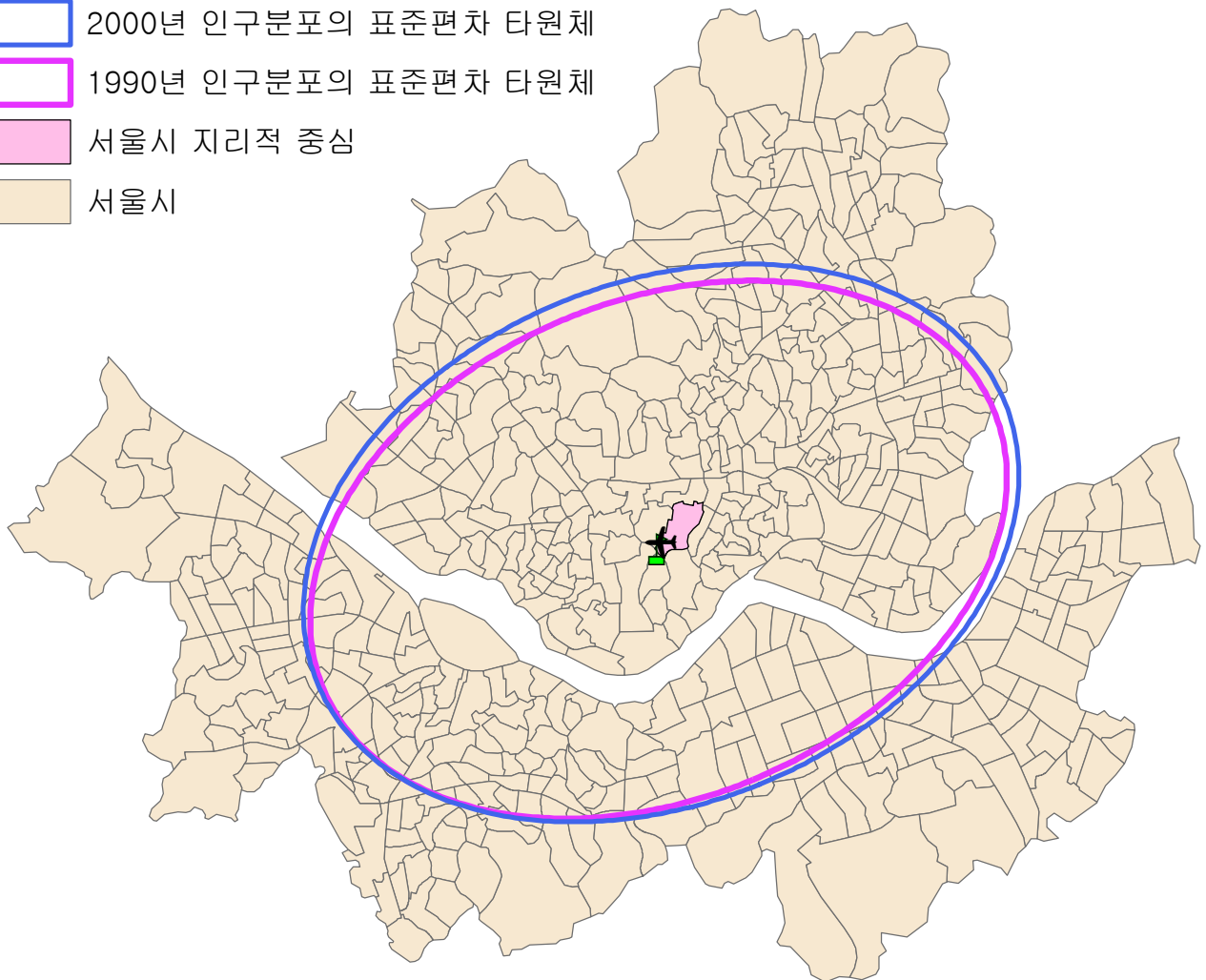
🚩 1990년 인구 중심점

2000년 인구분포의 표준편차 타원체

1990년 인구분포의 표준편차 타원체

서울시 지리적 중심

서울시



0 2,850 5,700 11,400 17,100 22,800 28,500 34,200 39,900 45,600



km

Average Nearest Neighbor Summary

Observed Mean Distance:	35.0831 Meters
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Expected Mean Distance:	54.6194 Meters
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Nearest Neighbor Ratio:	0.642321
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z-score:	-38.834700
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p-value:	0.000000
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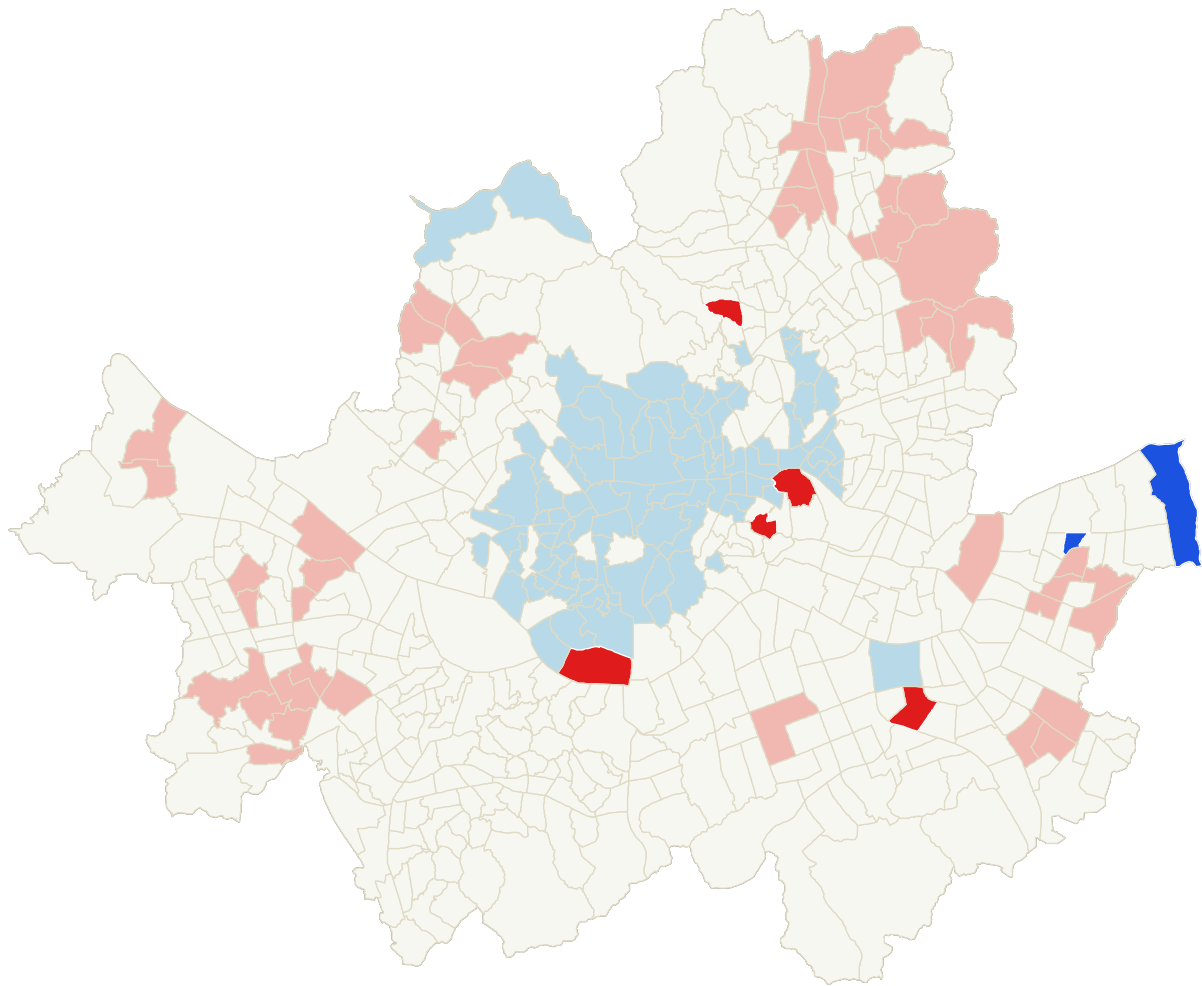
Dataset Information

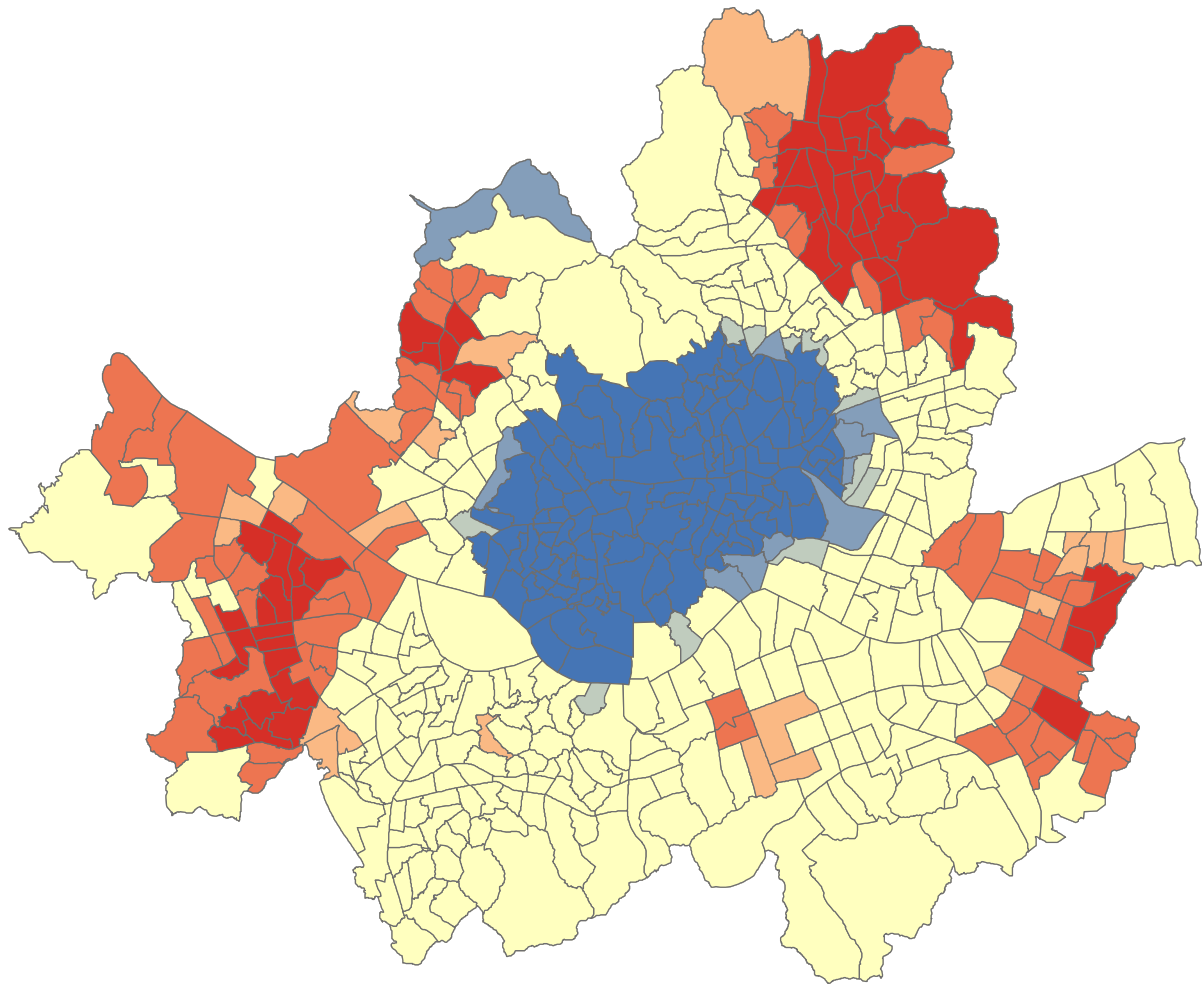
Input Feature Class:	crime
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Distance Method:	EUCLIDEAN
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Study Area:	38436505.672431
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Selection Set:	False
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Average Nearest Neighbor Summary

Nearest Neighbor Ratio: 0.642321

z-score: -38.834700

p-value: 0.000000

Significance Level
(p-value)

0.01

0.05

0.10

0.10

0.05

0.01

Critical Value
(z-score)

< -2.58

-2.58 - -1.96

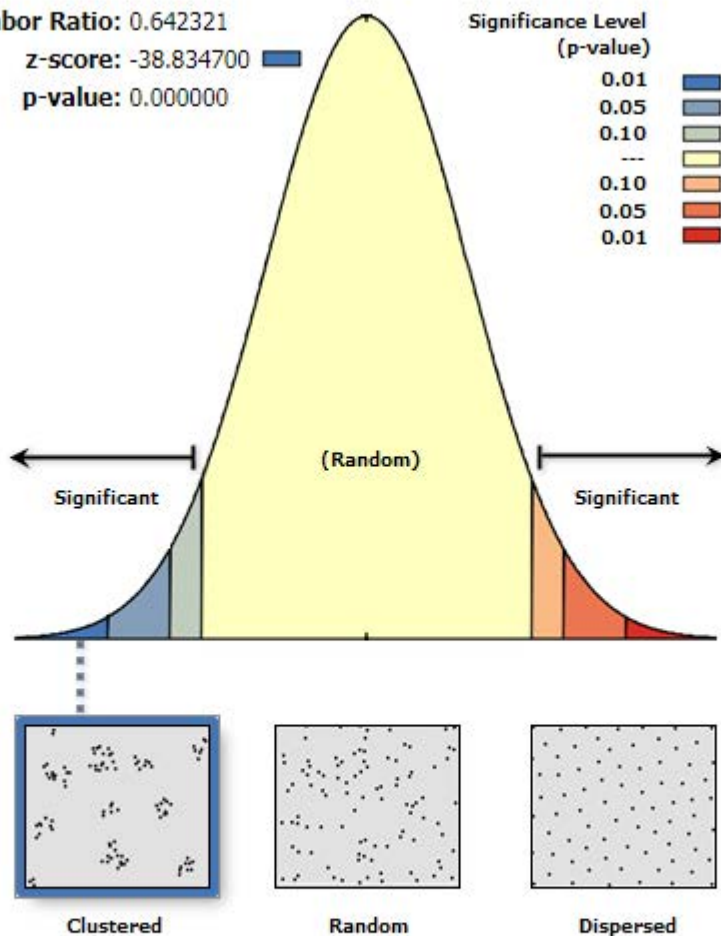
-1.96 - -1.65

-1.65 - 1.65

1.65 - 1.96

1.96 - 2.58

> 2.58



Given the z-score of -38.8347003824, there is a less than 1% likelihood that this clustered pattern could be the result of random chance.

Average Nearest Neighbor Summary