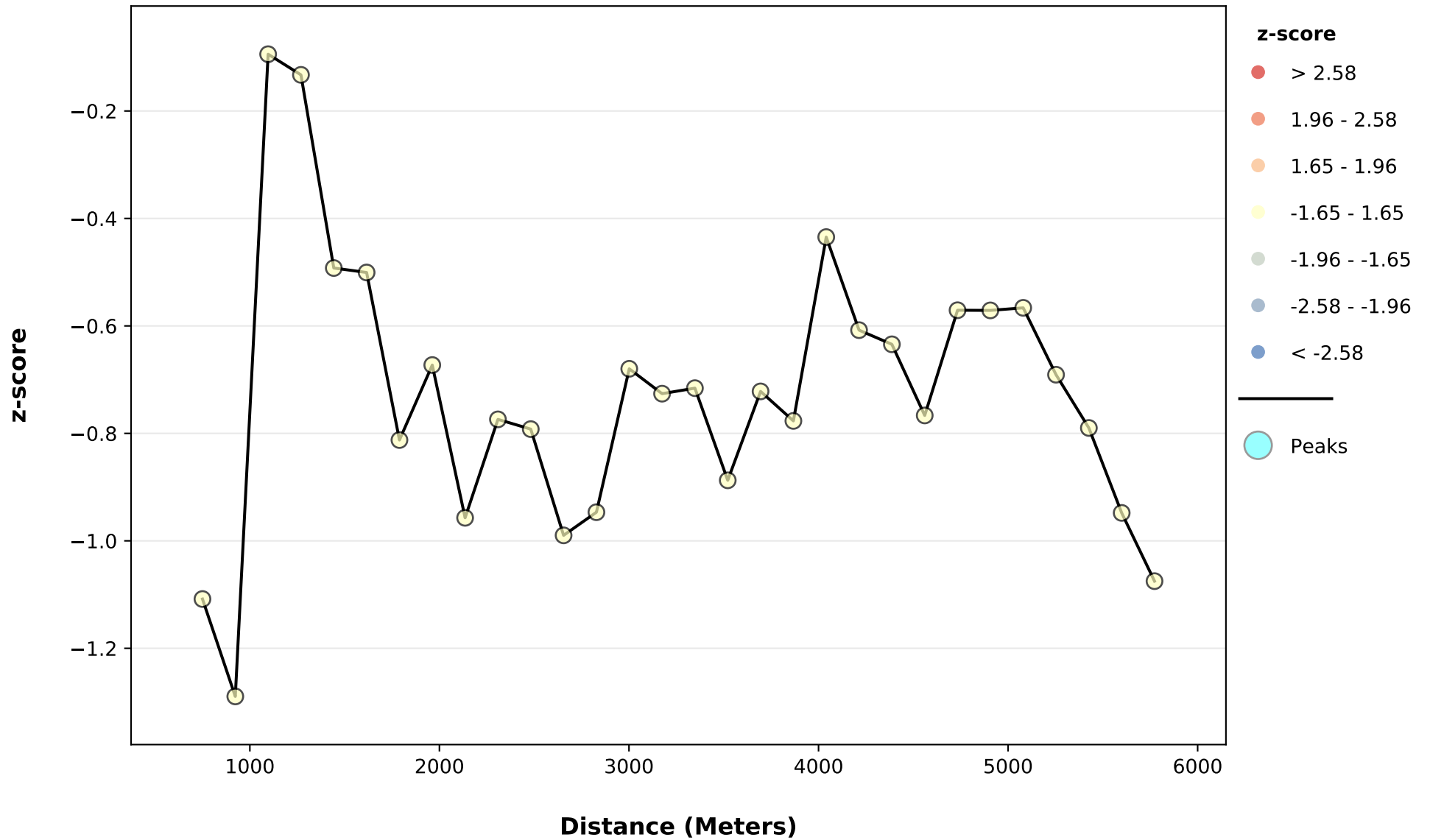


# Spatial Autocorrelation by Distance



## Global Moran's I Summary by Distance

| Distance | Moran's Index | Expected Index | Variance | z-score   | p-value  |
|----------|---------------|----------------|----------|-----------|----------|
| 750.00   | -0.005454     | -0.000092      | 0.000023 | -1.108284 | 0.267739 |
| 923.19   | -0.005657     | -0.000092      | 0.000019 | -1.289555 | 0.197205 |
| 1096.38  | -0.000462     | -0.000092      | 0.000015 | -0.094298 | 0.924872 |
| 1269.57  | -0.000572     | -0.000092      | 0.000013 | -0.132757 | 0.894386 |
| 1442.76  | -0.001747     | -0.000092      | 0.000011 | -0.492243 | 0.622548 |
| 1615.95  | -0.001667     | -0.000092      | 0.000010 | -0.500531 | 0.616701 |
| 1789.13  | -0.002506     | -0.000092      | 0.000009 | -0.812369 | 0.416580 |
| 1962.32  | -0.001995     | -0.000092      | 0.000008 | -0.672807 | 0.501070 |
| 2135.51  | -0.002681     | -0.000092      | 0.000007 | -0.957111 | 0.338511 |
| 2308.70  | -0.002098     | -0.000092      | 0.000007 | -0.773925 | 0.438975 |
| 2481.89  | -0.002066     | -0.000092      | 0.000006 | -0.792067 | 0.428321 |
| 2655.08  | -0.002470     | -0.000092      | 0.000006 | -0.989792 | 0.322276 |
| 2828.27  | -0.002289     | -0.000092      | 0.000005 | -0.946730 | 0.343777 |
| 3001.46  | -0.001619     | -0.000092      | 0.000005 | -0.679793 | 0.496636 |
| 3174.65  | -0.001674     | -0.000092      | 0.000005 | -0.726114 | 0.467769 |
| 3347.84  | -0.001608     | -0.000092      | 0.000004 | -0.715819 | 0.474103 |
| 3521.02  | -0.001920     | -0.000092      | 0.000004 | -0.887353 | 0.374889 |
| 3694.21  | -0.001540     | -0.000092      | 0.000004 | -0.721869 | 0.470375 |

## Global Moran's I Summary by Distance (Cont.)

| Distance | Moran's Index | Expected Index | Variance | z-score   | p-value  |
|----------|---------------|----------------|----------|-----------|----------|
| 3867.40  | -0.001612     | -0.000092      | 0.000004 | -0.776784 | 0.437286 |
| 4040.59  | -0.000922     | -0.000092      | 0.000004 | -0.434667 | 0.663804 |
| 4213.78  | -0.001226     | -0.000092      | 0.000003 | -0.607855 | 0.543283 |
| 4386.97  | -0.001249     | -0.000092      | 0.000003 | -0.634245 | 0.525921 |
| 4560.16  | -0.001461     | -0.000092      | 0.000003 | -0.766629 | 0.443302 |
| 4733.35  | -0.001091     | -0.000092      | 0.000003 | -0.570808 | 0.568129 |
| 4906.54  | -0.001072     | -0.000092      | 0.000003 | -0.571105 | 0.567928 |
| 5079.73  | -0.001046     | -0.000092      | 0.000003 | -0.566331 | 0.571169 |
| 5252.91  | -0.001235     | -0.000092      | 0.000003 | -0.690797 | 0.489693 |
| 5426.10  | -0.001376     | -0.000092      | 0.000003 | -0.789892 | 0.429591 |
| 5599.29  | -0.001606     | -0.000092      | 0.000003 | -0.948014 | 0.343123 |
| 5772.48  | -0.001780     | -0.000092      | 0.000002 | -1.074995 | 0.282377 |

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First Peak (Distance; Value): None; None

Max Peak (Distance; Value): None; None

Distance measured in Meters

# Incremental Autocorrelation Parameters

| Parameter Name           | Input Value   |
|--------------------------|---|
| Input Features           | C:\Users\albe9057\Documents\GitHub\traffic_accidents_spatial_analysis\src\nhtsa_analysis\..\w |
| Input Field              | CRASH_RATE_FHWA   |
| Number of Distance Bands | 30  |
| Beginning Distance       | 750.000000  |
| Distance Increment       | 173.189037  |
| Distance Method          | EUCLIDEAN   |
| Row Standardization      | True  |
| Selection Set            | False   |