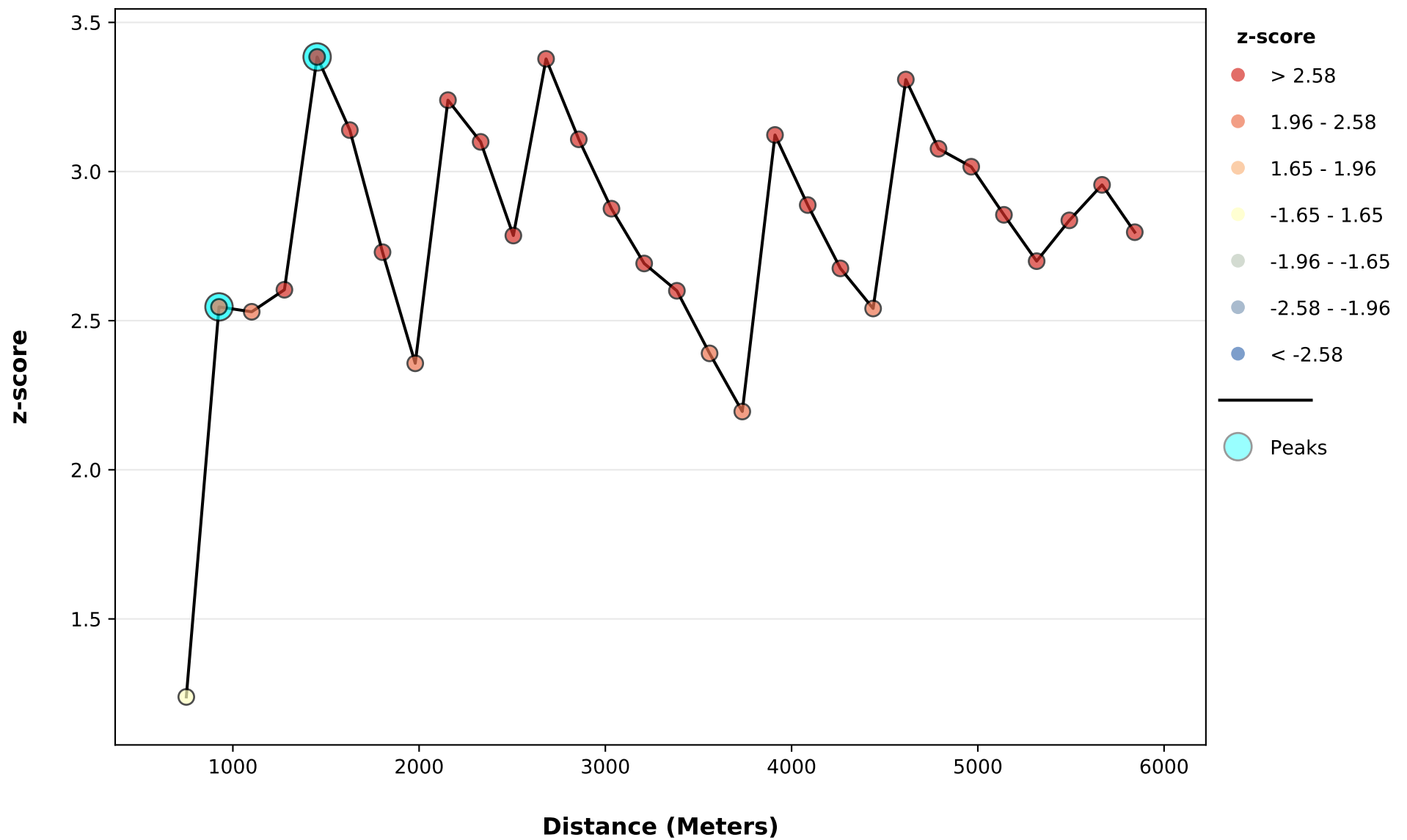


# Spatial Autocorrelation by Distance



## Global Moran's I Summary by Distance

| Distance | Moran's Index | Expected Index | Variance | z-score  | p-value  |
|----------|---------------|----------------|----------|----------|----------|
| 750.00   | 0.007295      | -0.000136      | 0.000036 | 1.238493 | 0.215533 |
| 925.61   | 0.013484      | -0.000136      | 0.000029 | 2.546163 | 0.010891 |
| 1101.22  | 0.012146      | -0.000136      | 0.000024 | 2.529784 | 0.011413 |
| 1276.83  | 0.011515      | -0.000136      | 0.000020 | 2.603609 | 0.009225 |
| 1452.43  | 0.013889      | -0.000136      | 0.000017 | 3.384175 | 0.000714 |
| 1628.04  | 0.012016      | -0.000136      | 0.000015 | 3.138882 | 0.001696 |
| 1803.65  | 0.009844      | -0.000136      | 0.000013 | 2.729616 | 0.006341 |
| 1979.26  | 0.008061      | -0.000136      | 0.000012 | 2.357006 | 0.018423 |
| 2154.87  | 0.010634      | -0.000136      | 0.000011 | 3.239379 | 0.001198 |
| 2330.48  | 0.009757      | -0.000136      | 0.000010 | 3.099389 | 0.001939 |
| 2506.08  | 0.008423      | -0.000136      | 0.000009 | 2.785386 | 0.005346 |
| 2681.69  | 0.009881      | -0.000136      | 0.000009 | 3.377726 | 0.000731 |
| 2857.30  | 0.008811      | -0.000136      | 0.000008 | 3.107999 | 0.001884 |
| 3032.91  | 0.007894      | -0.000136      | 0.000008 | 2.875420 | 0.004035 |
| 3208.52  | 0.007163      | -0.000136      | 0.000007 | 2.691707 | 0.007109 |
| 3384.13  | 0.006715      | -0.000136      | 0.000007 | 2.600148 | 0.009318 |
| 3559.73  | 0.005993      | -0.000136      | 0.000007 | 2.390343 | 0.016833 |
| 3735.34  | 0.005351      | -0.000136      | 0.000006 | 2.195386 | 0.028136 |

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

| Distance | Moran's Index | Expected Index | Variance | z-score  | p-value  |
|----------|---------------|----------------|----------|----------|----------|
| 3910.95  | 0.007482      | -0.000136      | 0.000006 | 3.122641 | 0.001792 |
| 4086.56  | 0.006751      | -0.000136      | 0.000006 | 2.887603 | 0.003882 |
| 4262.17  | 0.006105      | -0.000136      | 0.000005 | 2.675241 | 0.007468 |
| 4437.78  | 0.005667      | -0.000136      | 0.000005 | 2.540750 | 0.011062 |
| 4613.39  | 0.007267      | -0.000136      | 0.000005 | 3.308426 | 0.000938 |
| 4788.99  | 0.006614      | -0.000136      | 0.000005 | 3.076398 | 0.002095 |
| 4964.60  | 0.006363      | -0.000136      | 0.000005 | 3.016113 | 0.002560 |
| 5140.21  | 0.005907      | -0.000136      | 0.000004 | 2.854838 | 0.004306 |
| 5315.82  | 0.005478      | -0.000136      | 0.000004 | 2.699479 | 0.006945 |
| 5491.43  | 0.005660      | -0.000136      | 0.000004 | 2.836304 | 0.004564 |
| 5667.04  | 0.005806      | -0.000136      | 0.000004 | 2.955375 | 0.003123 |
| 5842.64  | 0.005399      | -0.000136      | 0.000004 | 2.796621 | 0.005164 |

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First Peak (Distance; Value): 925.61; 2.546163

Max Peak (Distance; Value): 1452.43; 3.384175

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       | 175.608417  |
| Distance Method          | EUCLIDEAN   |
| Row Standardization      | True  |
| Selection Set            | False   |