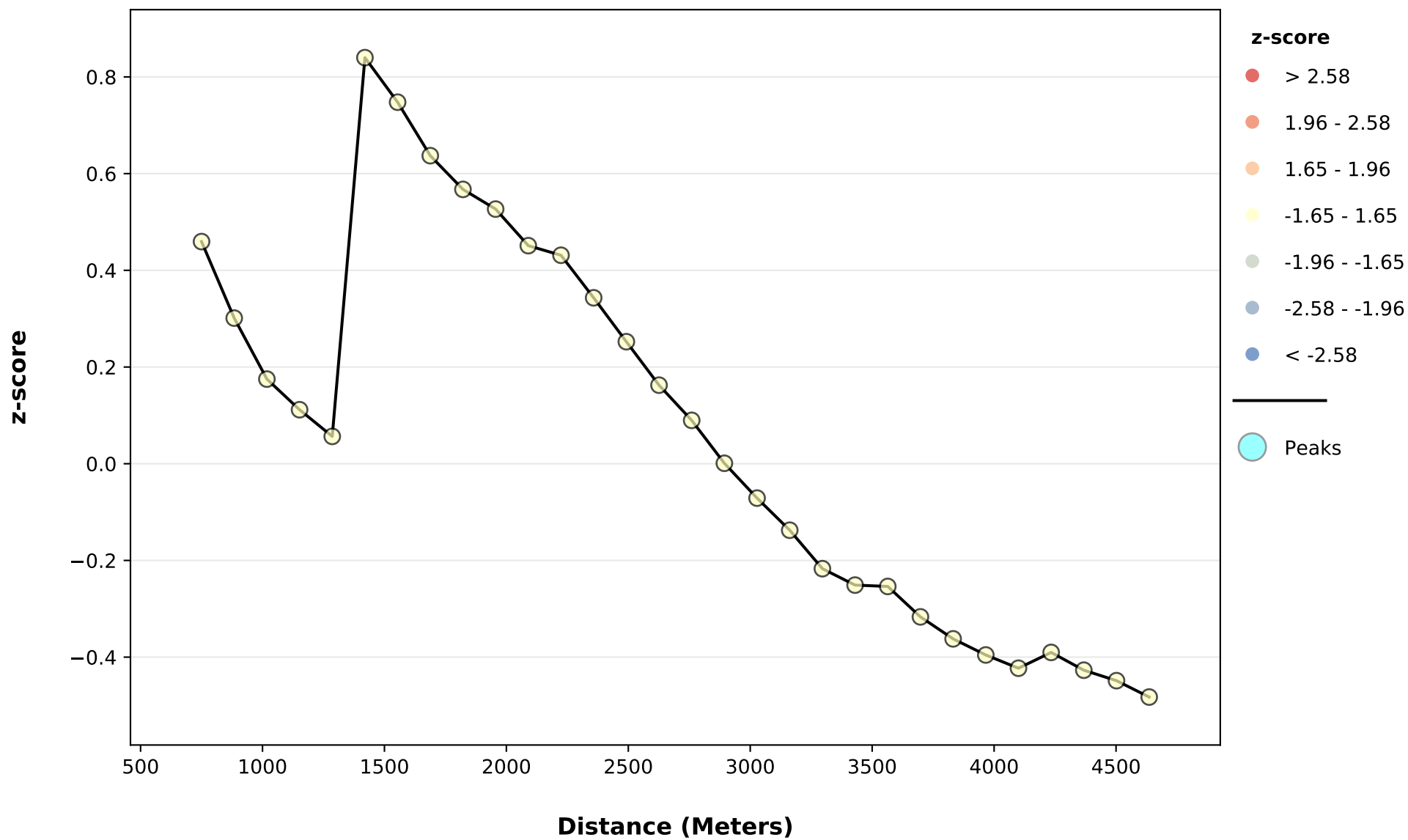


# Spatial Autocorrelation by Distance



## Global Moran's I Summary by Distance

| Distance | Moran's Index | Expected Index | Variance | z-score   | p-value  |
|----------|---------------|----------------|----------|-----------|----------|
| 750.00   | 0.002132      | -0.000157      | 0.000025 | 0.459395  | 0.645951 |
| 884.00   | 0.001199      | -0.000157      | 0.000020 | 0.301160  | 0.763292 |
| 1018.00  | 0.000568      | -0.000157      | 0.000017 | 0.175047  | 0.861043 |
| 1151.99  | 0.000278      | -0.000157      | 0.000015 | 0.111695  | 0.911065 |
| 1285.99  | 0.000051      | -0.000157      | 0.000013 | 0.056549  | 0.954904 |
| 1419.99  | 0.002762      | -0.000157      | 0.000012 | 0.839877  | 0.400977 |
| 1553.99  | 0.002318      | -0.000157      | 0.000011 | 0.747712  | 0.454634 |
| 1687.99  | 0.001857      | -0.000157      | 0.000010 | 0.637093  | 0.524064 |
| 1821.98  | 0.001562      | -0.000157      | 0.000009 | 0.567386  | 0.570452 |
| 1955.98  | 0.001381      | -0.000157      | 0.000009 | 0.526632  | 0.598449 |
| 2089.98  | 0.001115      | -0.000157      | 0.000008 | 0.450993  | 0.651994 |
| 2223.98  | 0.001019      | -0.000157      | 0.000007 | 0.431168  | 0.666346 |
| 2357.98  | 0.000750      | -0.000157      | 0.000007 | 0.343156  | 0.731481 |
| 2491.98  | 0.000490      | -0.000157      | 0.000007 | 0.252384  | 0.800744 |
| 2625.97  | 0.000248      | -0.000157      | 0.000006 | 0.162483  | 0.870925 |
| 2759.97  | 0.000061      | -0.000157      | 0.000006 | 0.089677  | 0.928544 |
| 2893.97  | -0.000154     | -0.000157      | 0.000006 | 0.000929  | 0.999258 |
| 3027.97  | -0.000321     | -0.000157      | 0.000005 | -0.071106 | 0.943313 |

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

| Distance | Moran's Index | Expected Index | Variance | z-score   | p-value  |
|----------|---------------|----------------|----------|-----------|----------|
| 3161.97  | -0.000467     | -0.000157      | 0.000005 | -0.137521 | 0.890619 |
| 3295.96  | -0.000637     | -0.000157      | 0.000005 | -0.217078 | 0.828148 |
| 3429.96  | -0.000700     | -0.000157      | 0.000005 | -0.251000 | 0.801814 |
| 3563.96  | -0.000695     | -0.000157      | 0.000005 | -0.253812 | 0.799641 |
| 3697.96  | -0.000816     | -0.000157      | 0.000004 | -0.316744 | 0.751438 |
| 3831.96  | -0.000896     | -0.000157      | 0.000004 | -0.362204 | 0.717199 |
| 3965.95  | -0.000949     | -0.000157      | 0.000004 | -0.395521 | 0.692458 |
| 4099.95  | -0.000990     | -0.000157      | 0.000004 | -0.422937 | 0.672342 |
| 4233.95  | -0.000912     | -0.000157      | 0.000004 | -0.390256 | 0.696347 |
| 4367.95  | -0.000969     | -0.000157      | 0.000004 | -0.427013 | 0.669370 |
| 4501.95  | -0.000997     | -0.000157      | 0.000004 | -0.448676 | 0.653666 |
| 4635.94  | -0.001046     | -0.000157      | 0.000003 | -0.482550 | 0.629415 |

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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       | 133.998097  |
| Distance Method          | EUCLIDEAN   |
| Row Standardization      | True  |
| Selection Set            | False   |