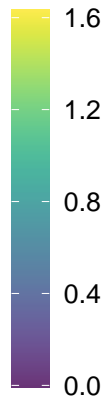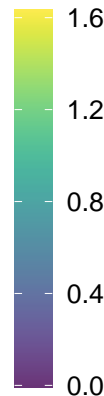f

t = 0   t = 0.31   t = 0.63
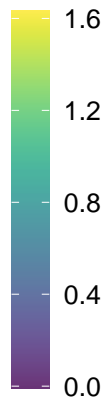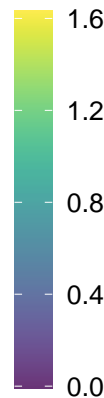
f

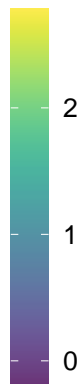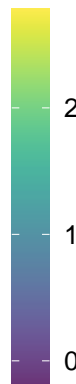t = 0.94   t = 1.26   t = 1.57

$f + W\beta$
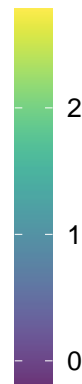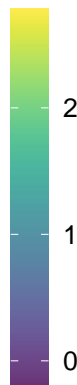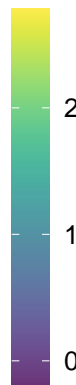
| t = 0 | t = 0.31 | t = 0.63 |
| t = 0.94 | t = 1.26 | t = 1.57 |
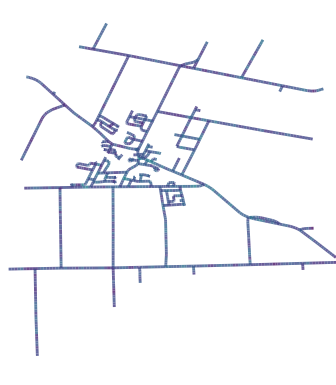
RMSE
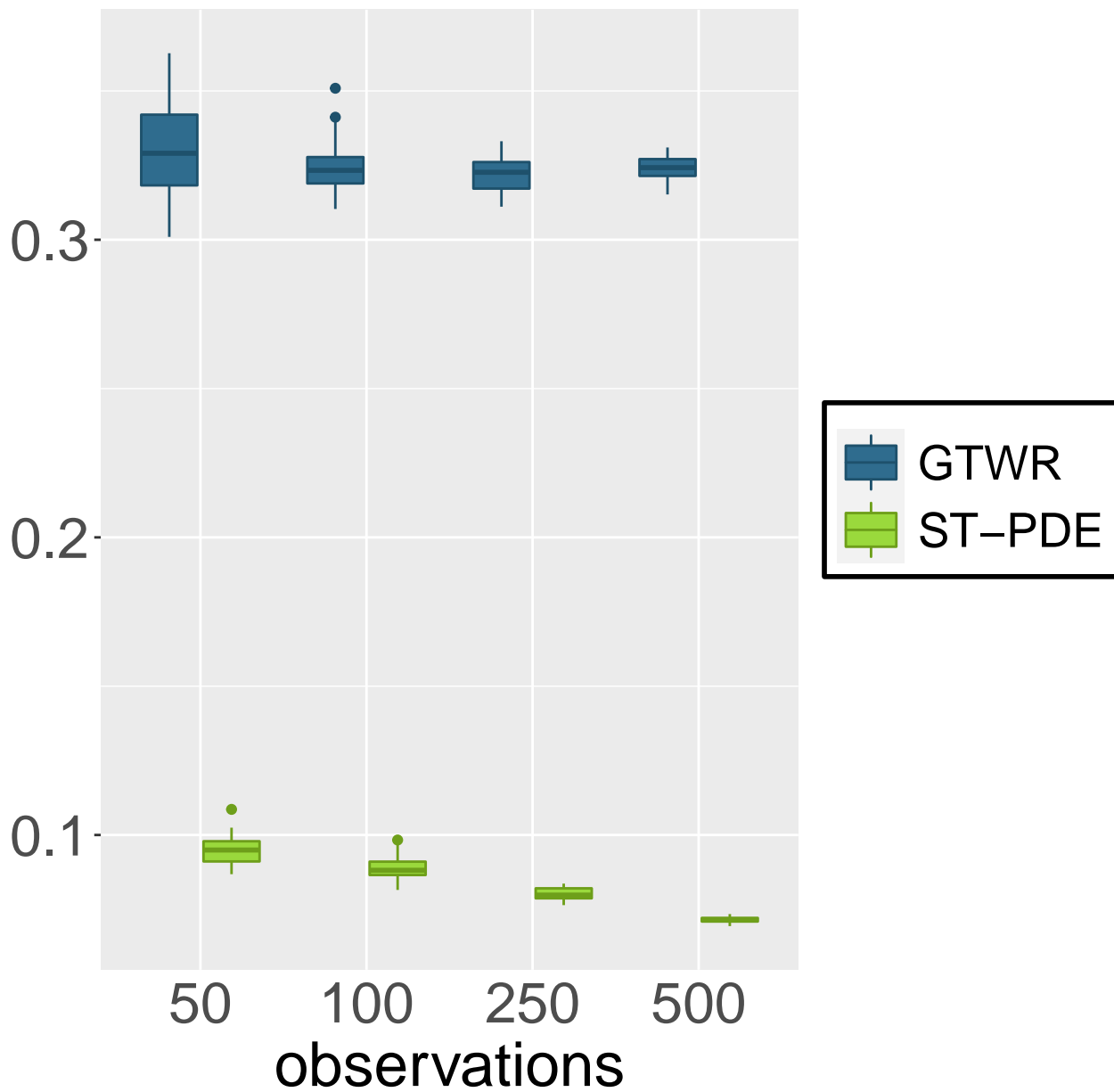
t = 0   t = 0.31   t = 0.63

t = 0.94   t = 1.26   t = 1.57

t = 0 t = 0.31 t = 0.63 t = 0.94 t = 1.26 t = 1.57

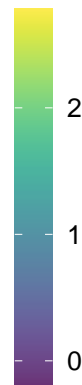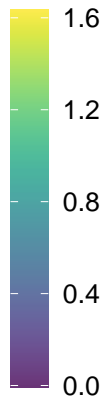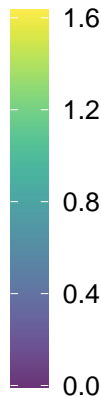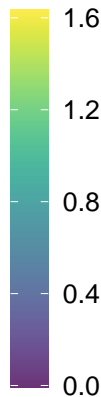t = 0   t = 0.31   t = 0.63
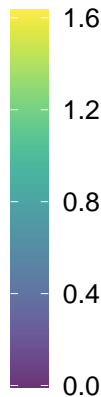
t = 0.94   t = 1.26   t = 1.57

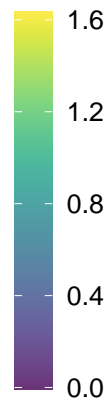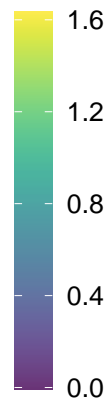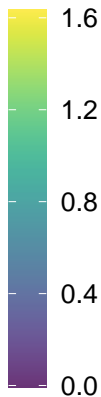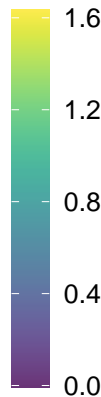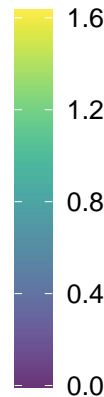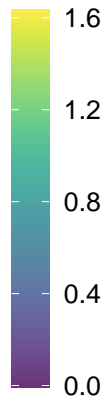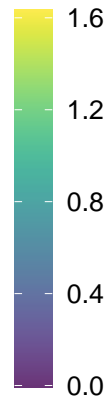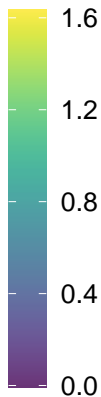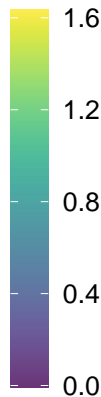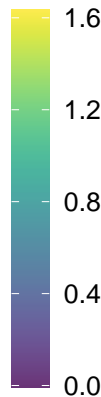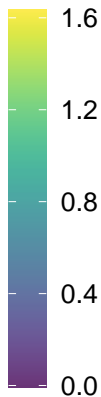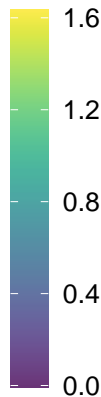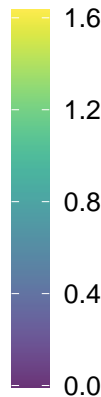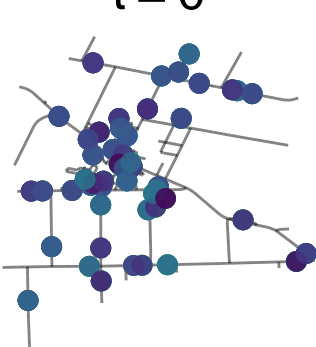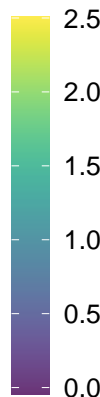$t = 0$ $t = 0.31$ $t = 0.63$

$t = 0.94$ $t = 1.26$ $t = 1.57$

Sample (n=50)

Sample (n=100)

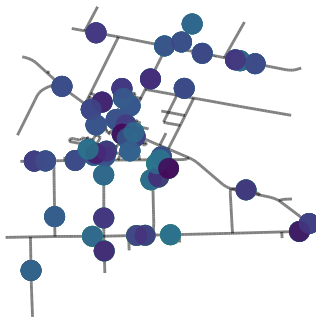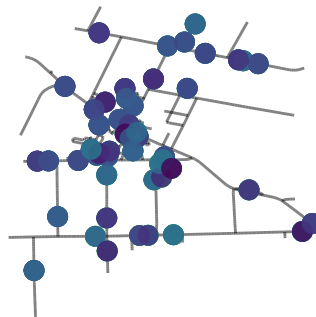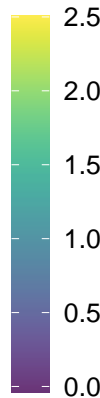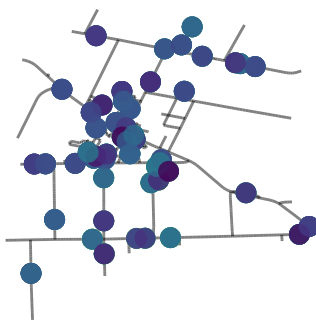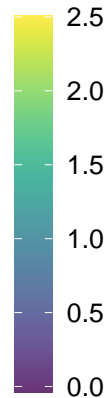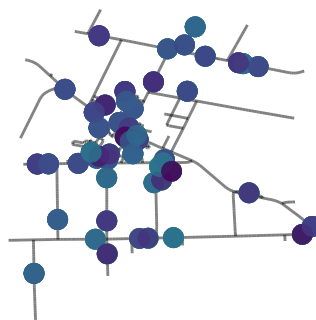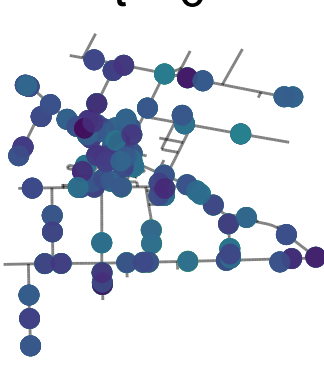Sample (n=250)

t = 0   t = 0.31   t = 0.63

t = 0.94   t = 1.26   t = 1.57

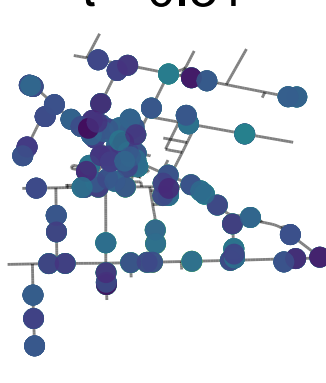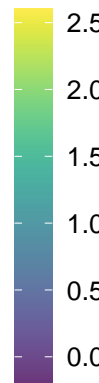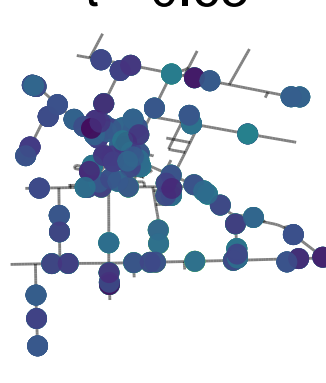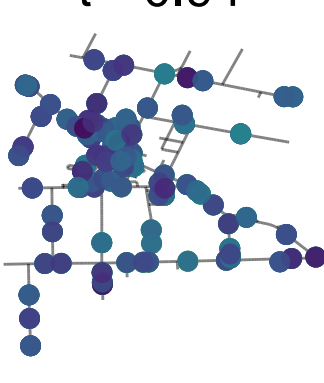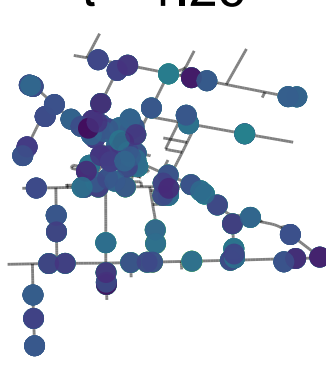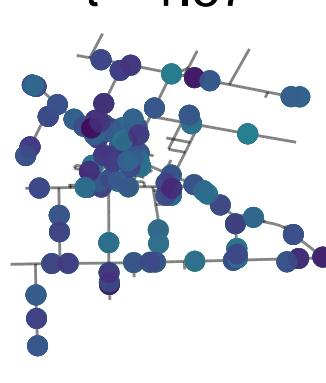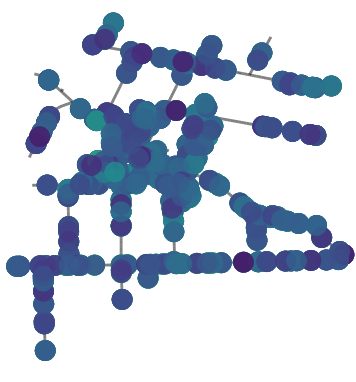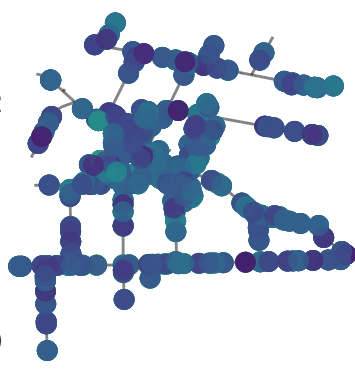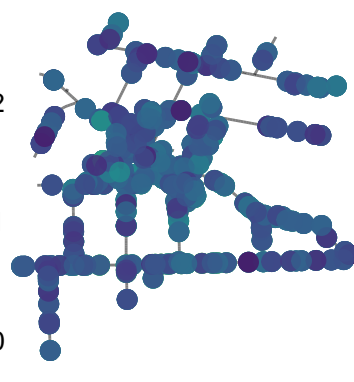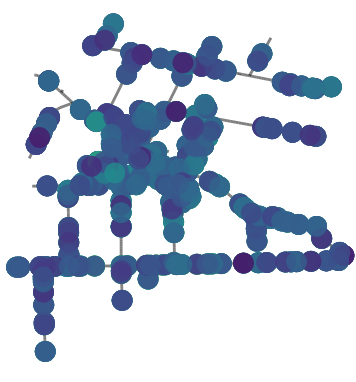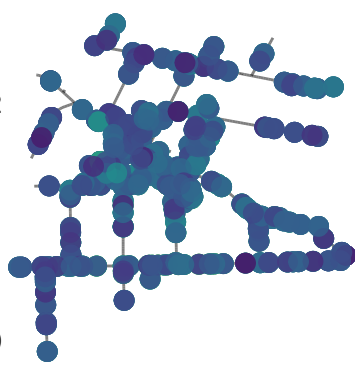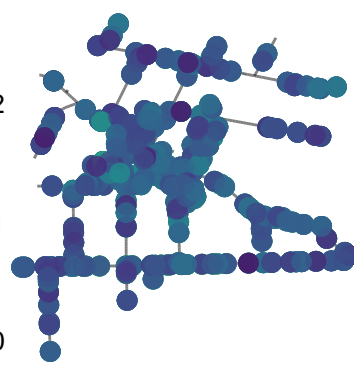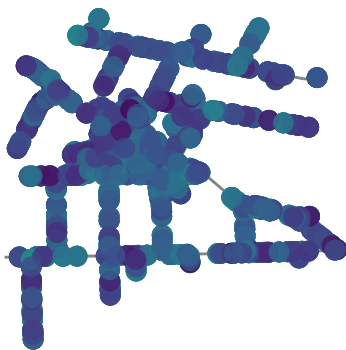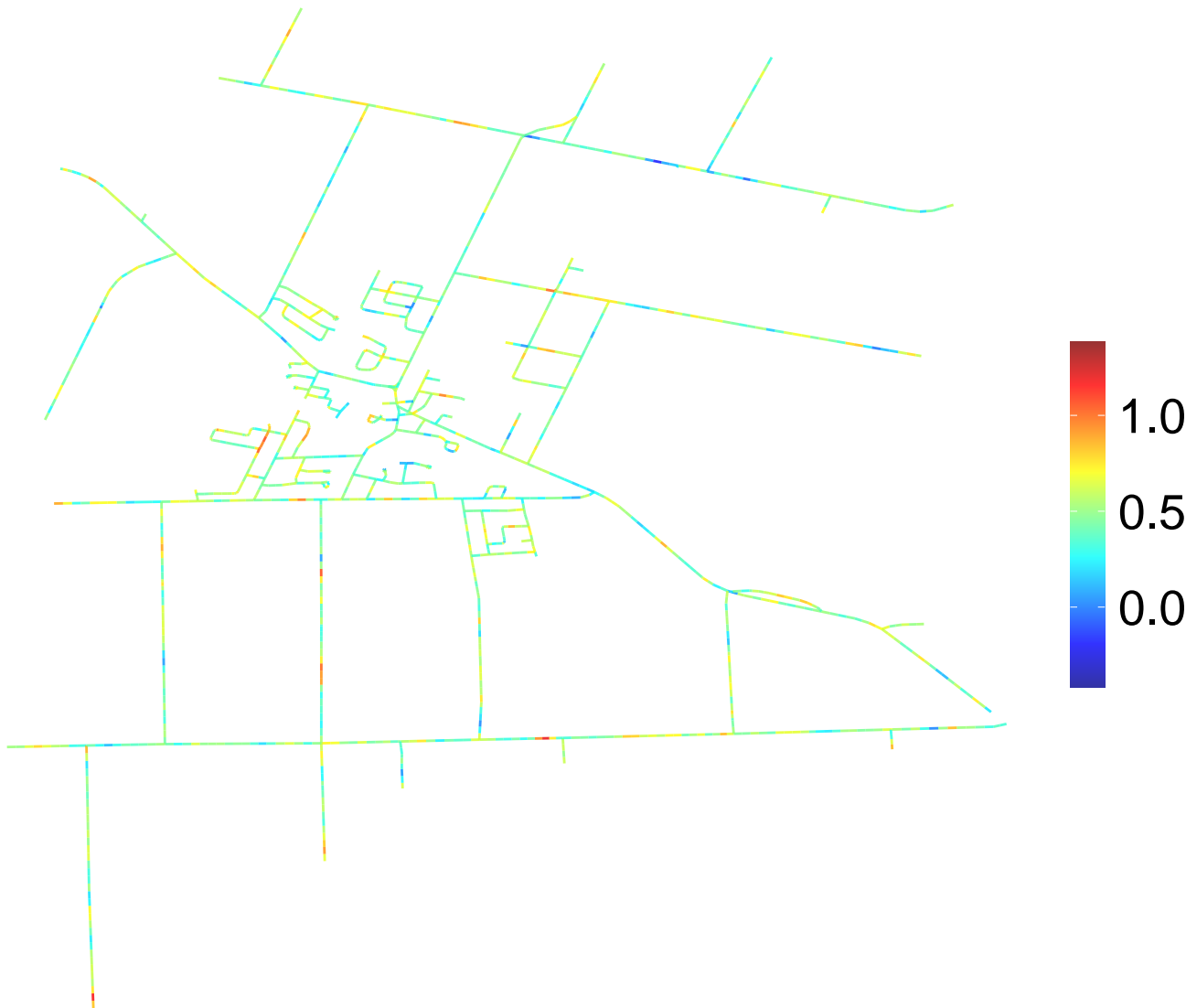Sample (n=500)

t = 0   t = 0.31   t = 0.63

t = 0.94   t = 1.26   t = 1.57
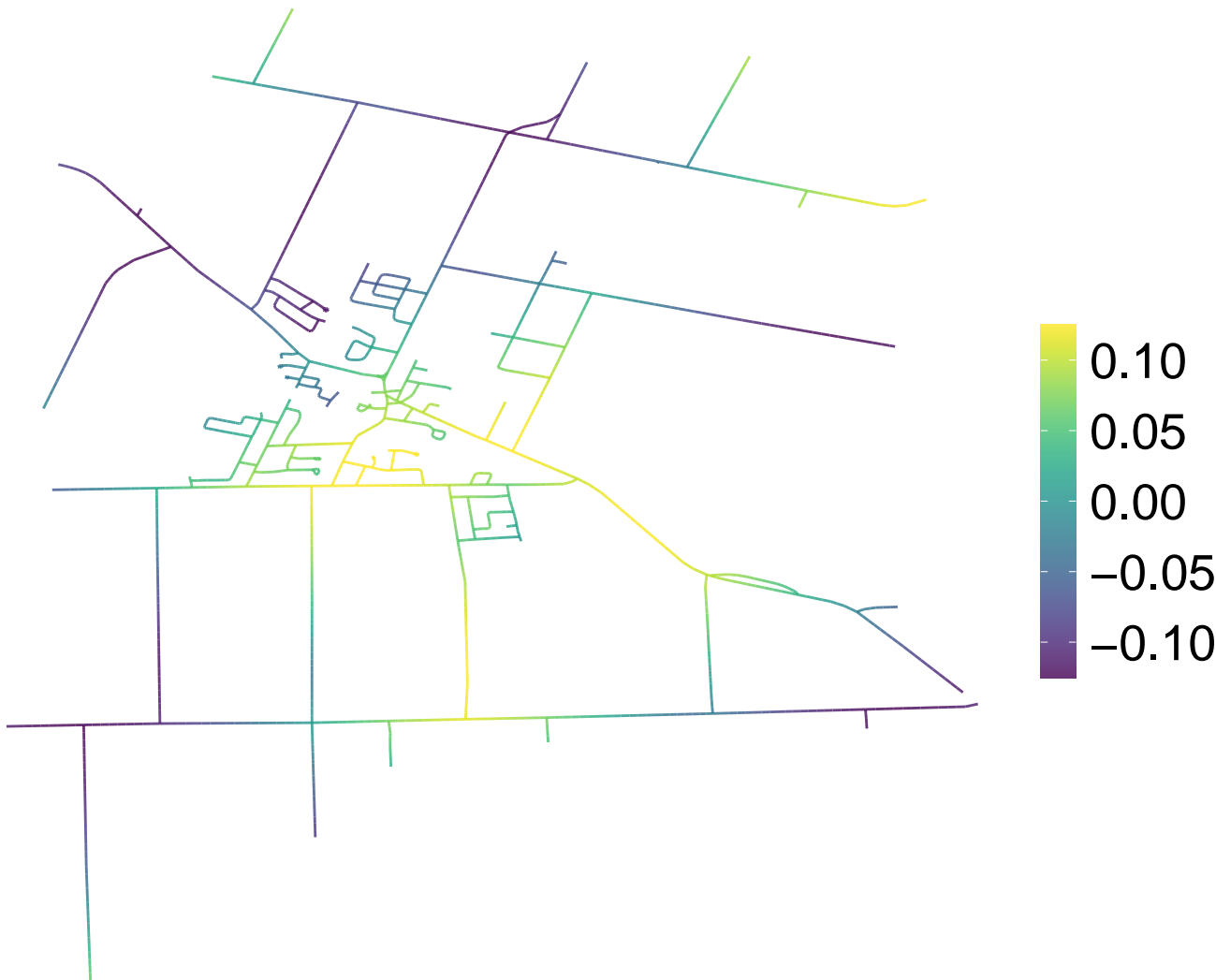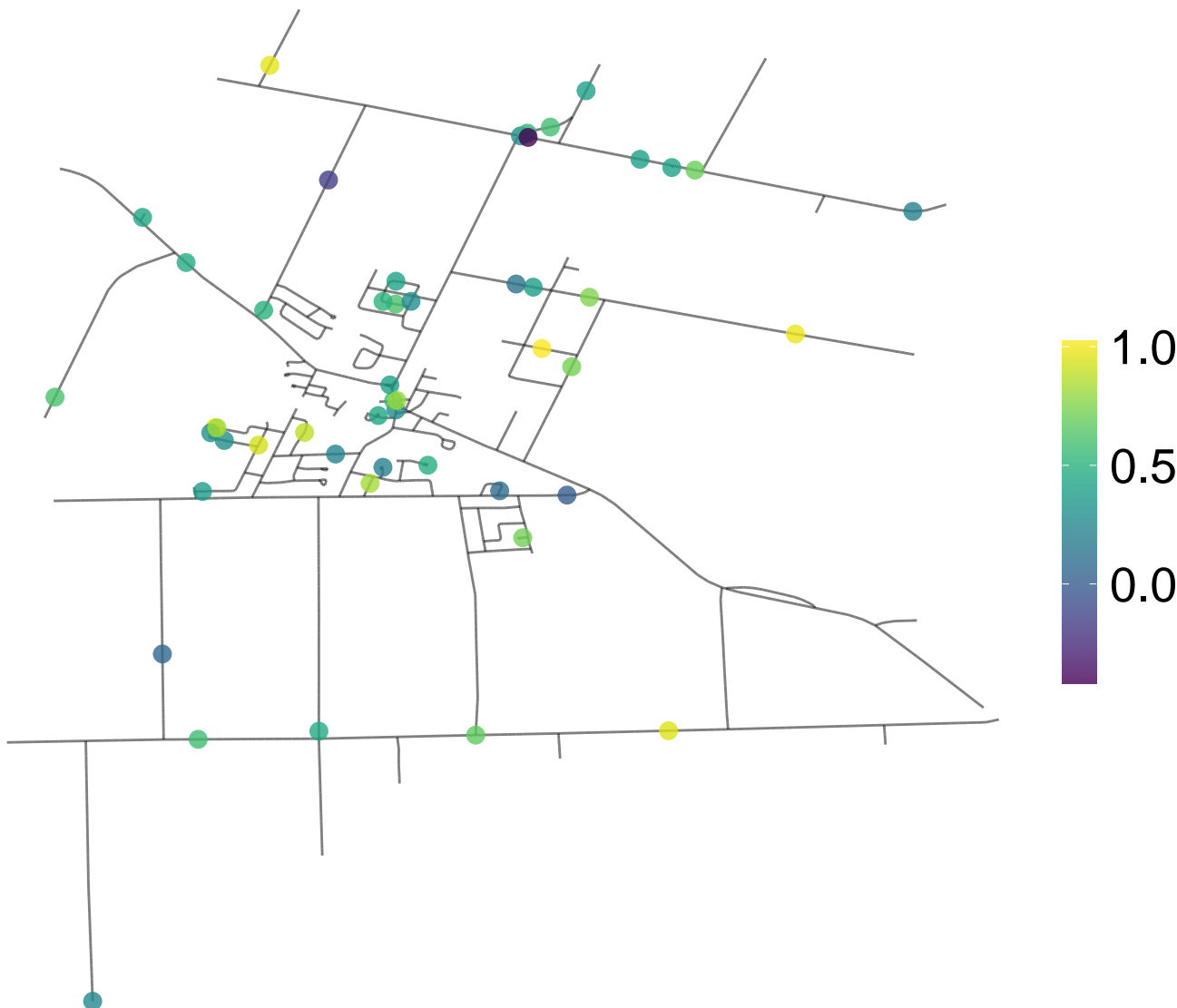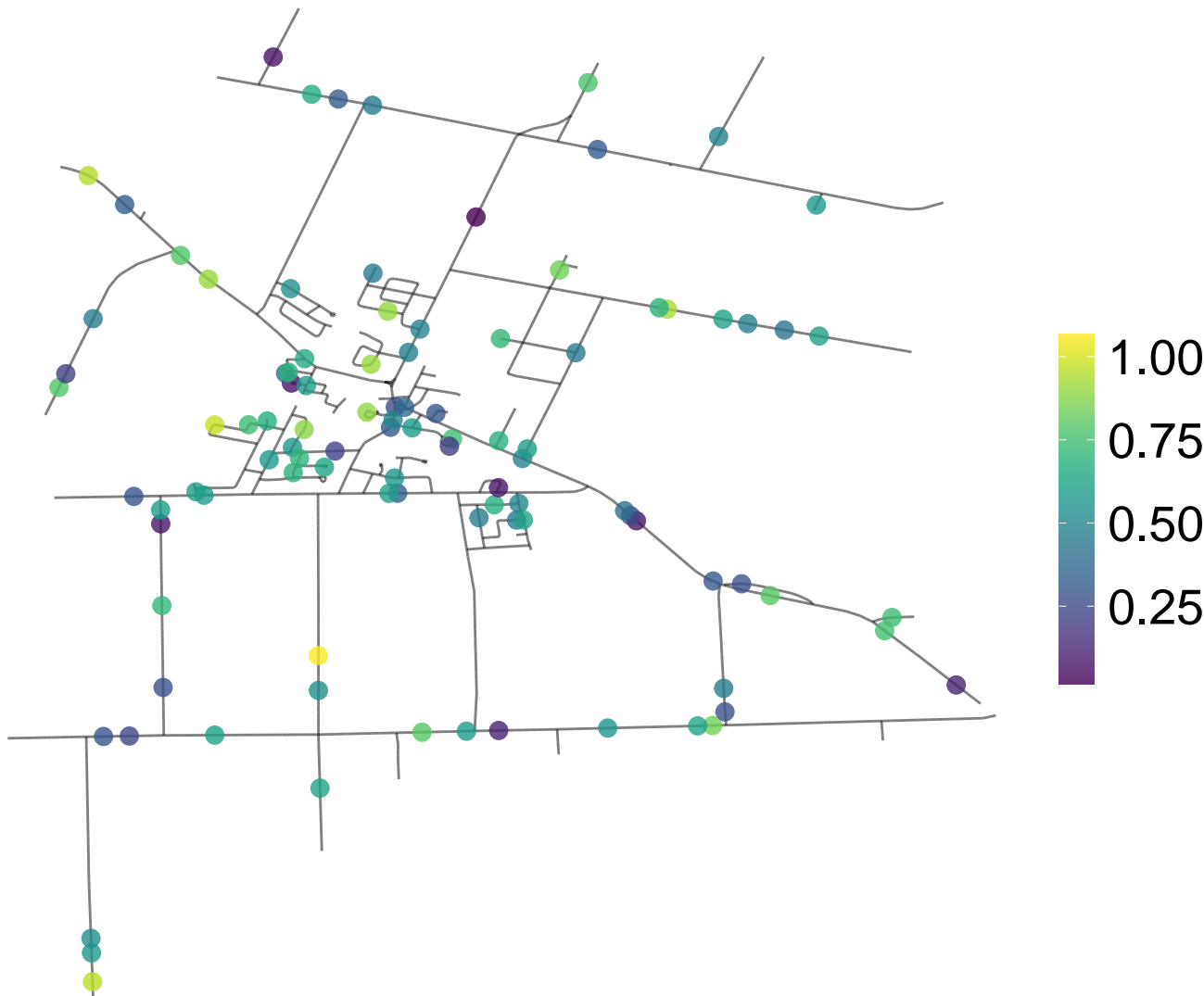
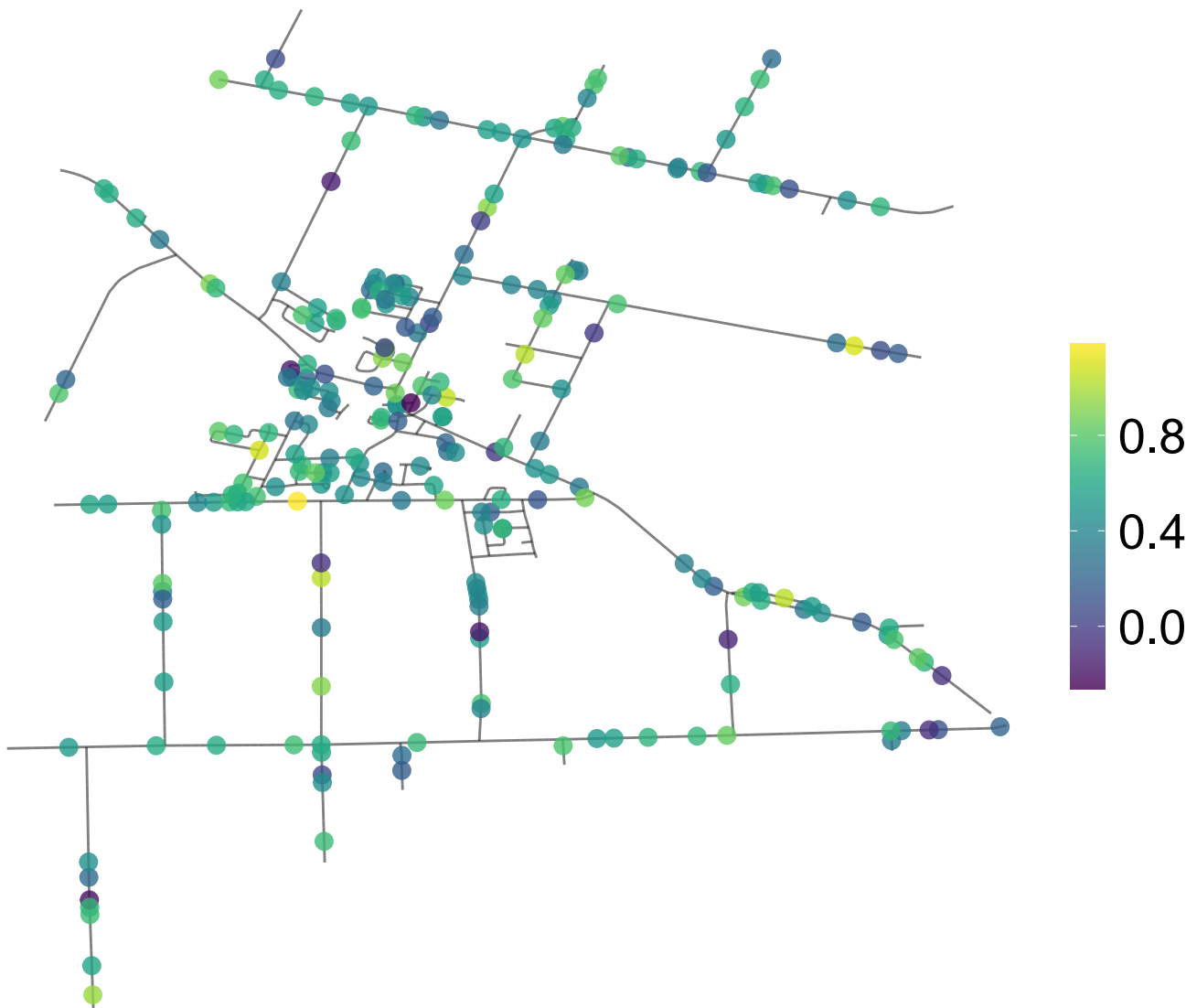$N(0, 0.25^2)$

sinusoidal function
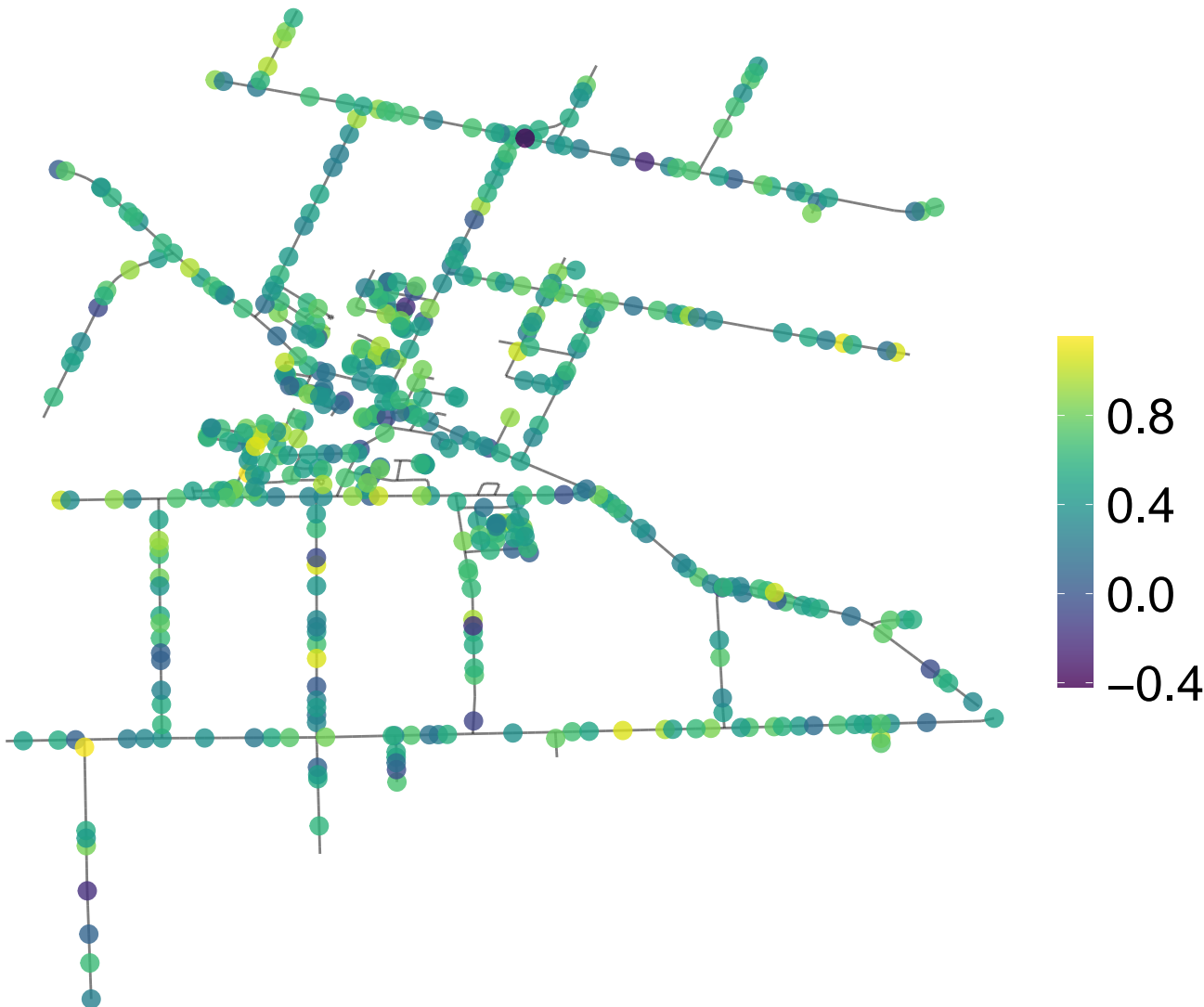
First Covariate(n=50)
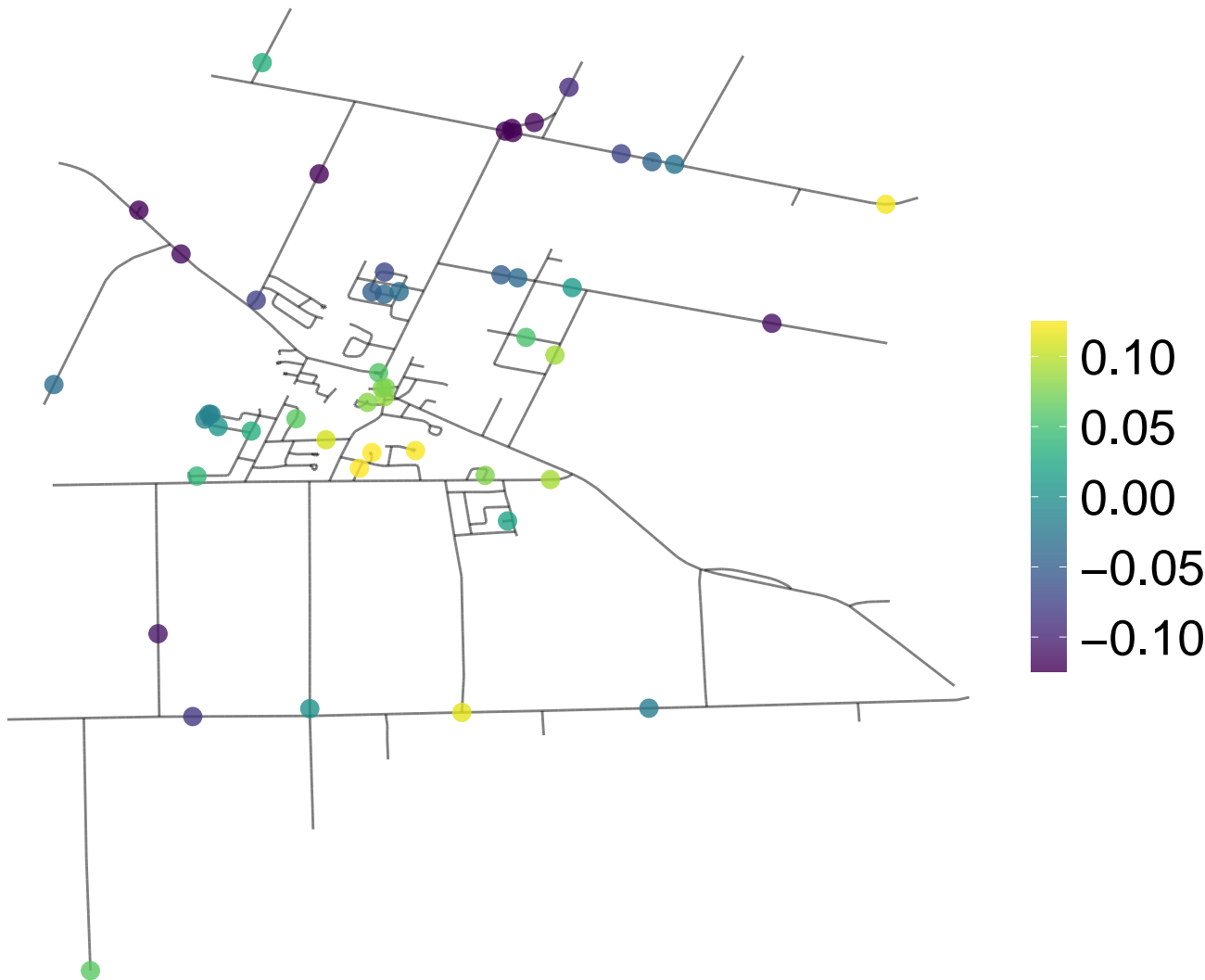
First Covariate(n=100)
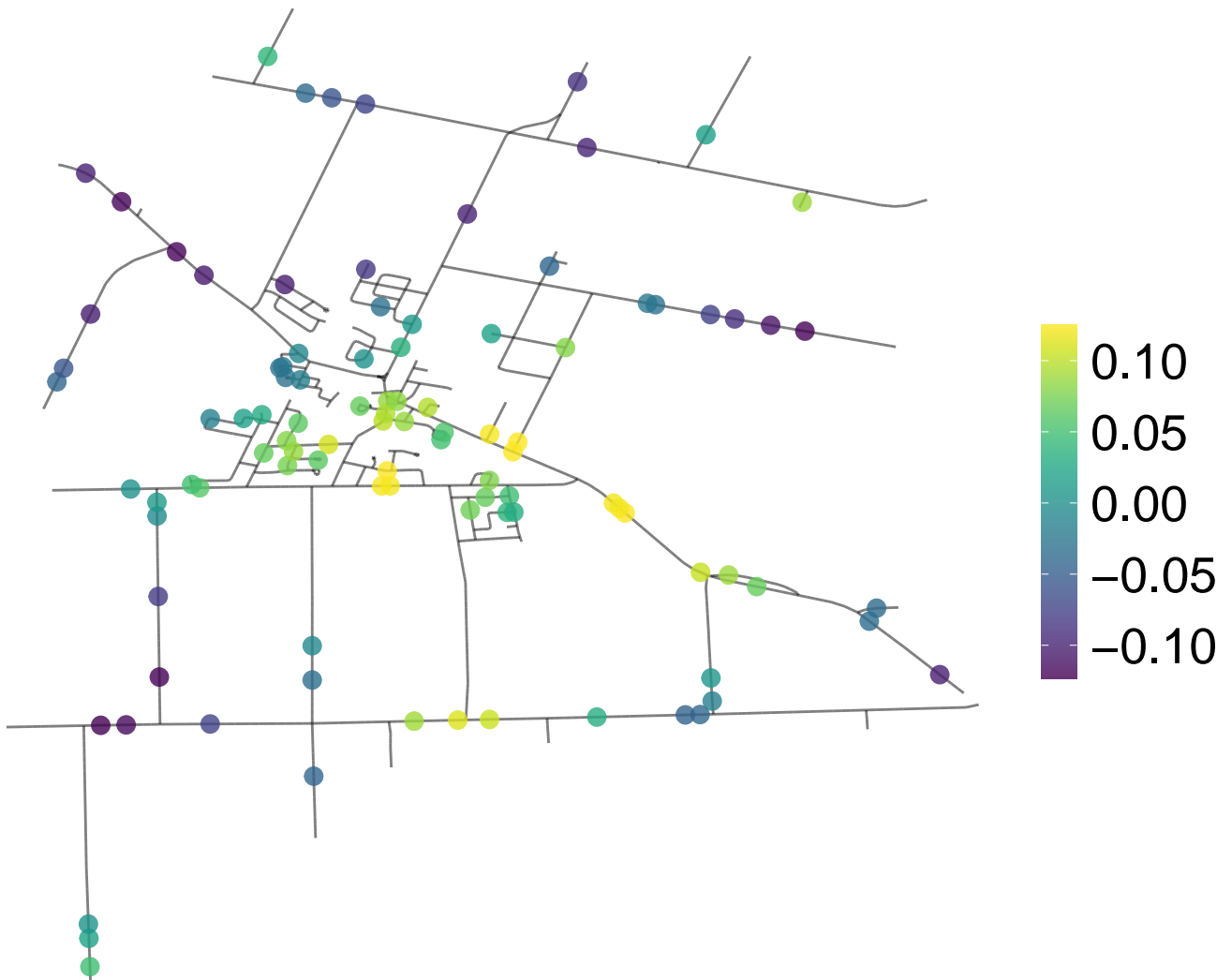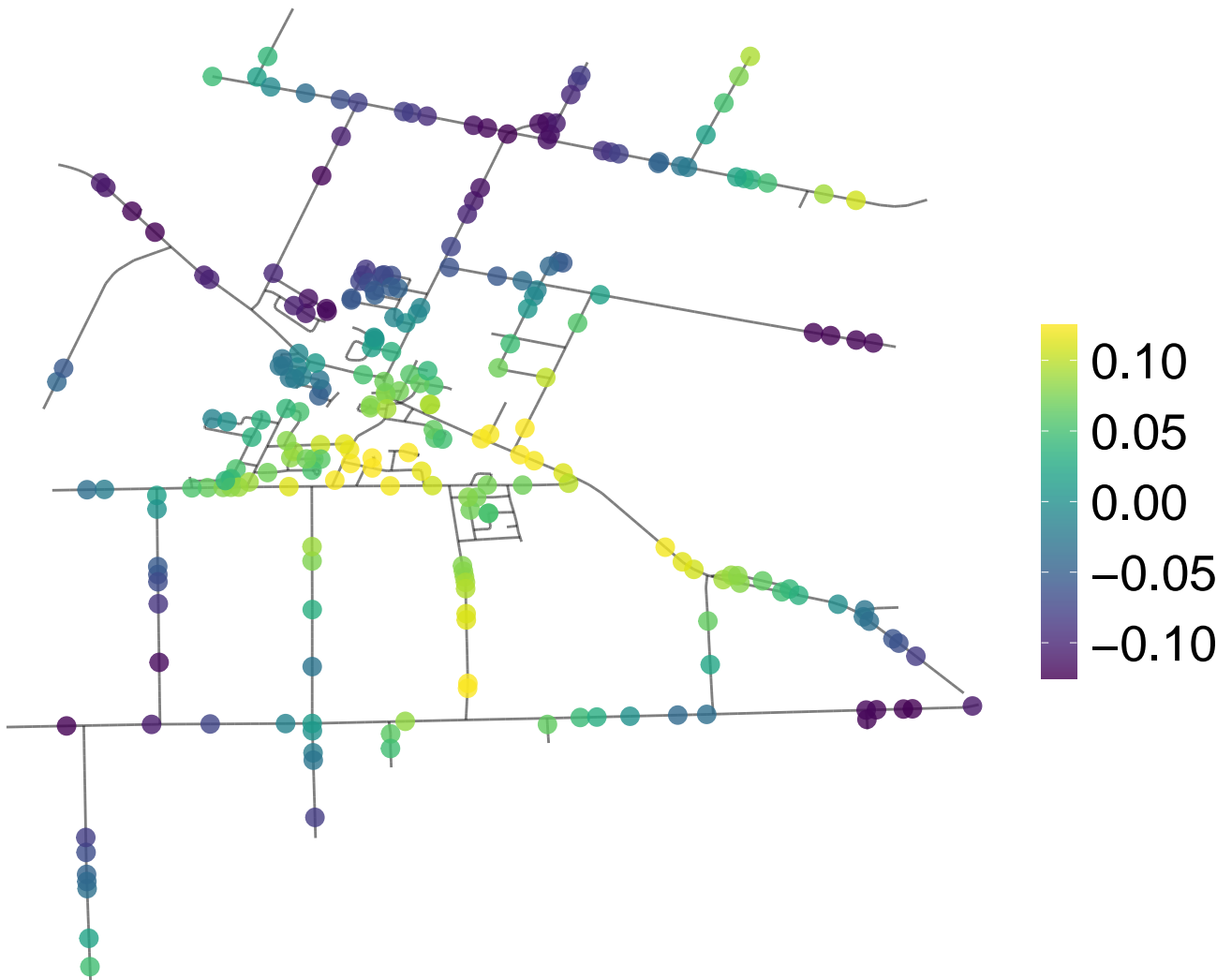
First Covariate(n=250)

First Covariate(n=500)

Second Covariate(n=50)

Second Covariate(n=100)

Second Covariate(n=250)

Second Covariate(n=500)