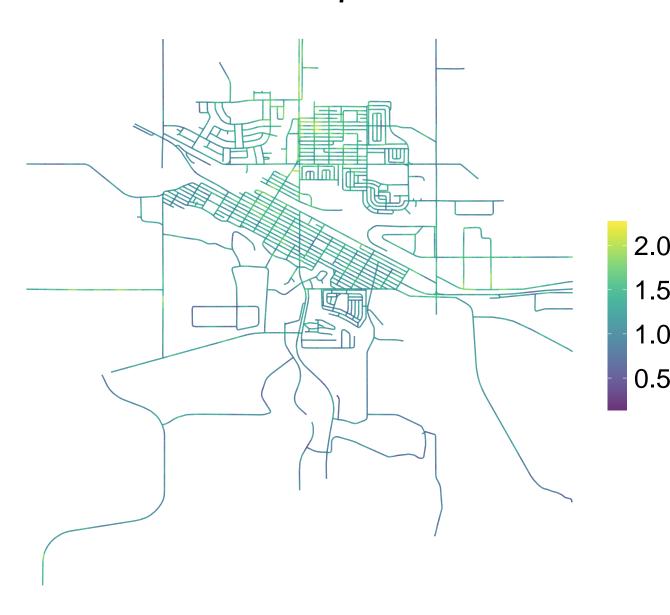


$f + W\beta$



RMSE 0.06-0.05■ GWR ■ SR-PDE 0.040.03-250 500 1000 1500 observations

f (n=250)

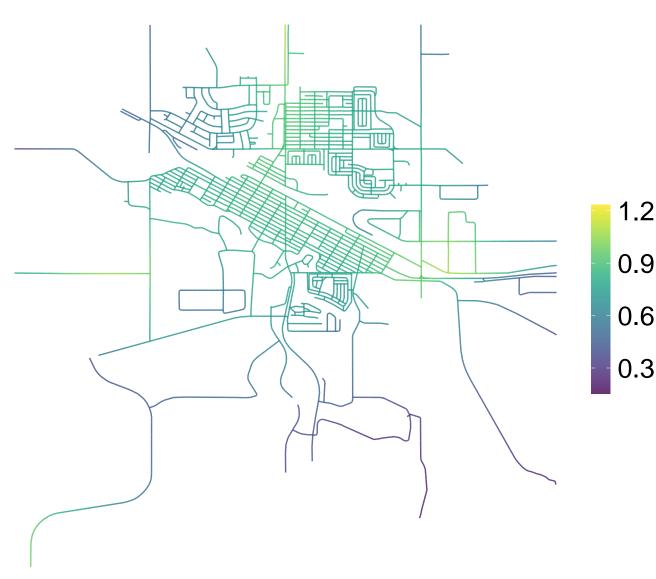


1.20.9

0.6

).3

f (n=500)



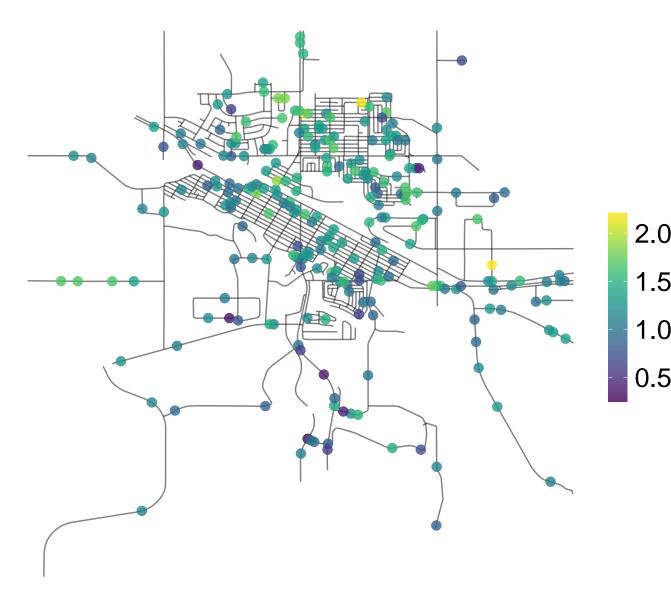
f (n=1000)



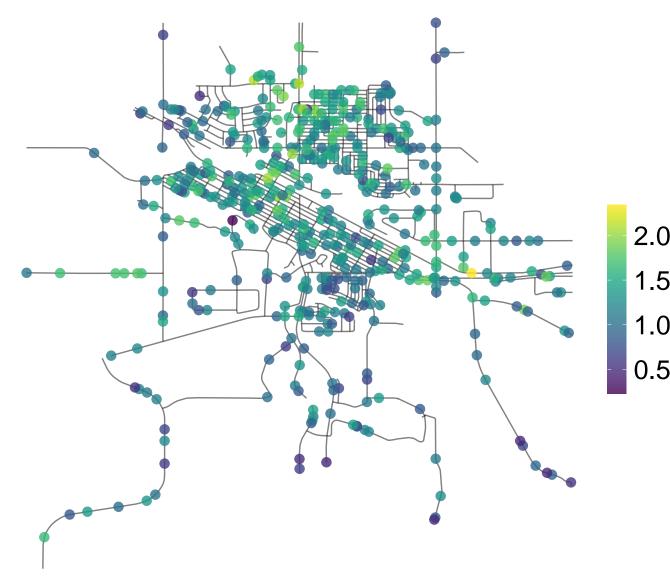
f (n=1500)



$$z_i = \boldsymbol{w}_i^T \boldsymbol{\beta} + f(\boldsymbol{p}_i) + \boldsymbol{\epsilon}_i$$

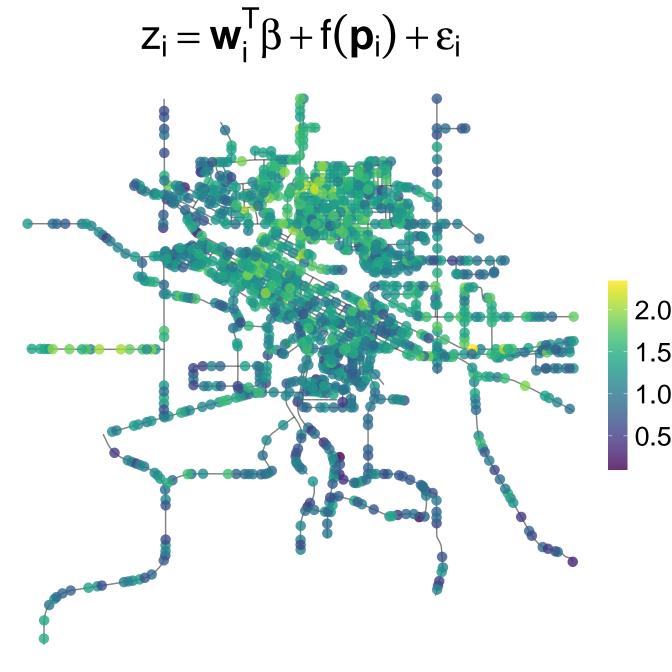


$$z_i = \boldsymbol{w}_i^T \boldsymbol{\beta} + f(\boldsymbol{p}_i) + \boldsymbol{\epsilon}_i$$



$$\mathbf{z}_{i} = \mathbf{w}_{i}^{\mathsf{T}} \mathbf{\beta} + \mathbf{f}(\mathbf{p}_{i}) + \mathbf{\epsilon}_{i}$$

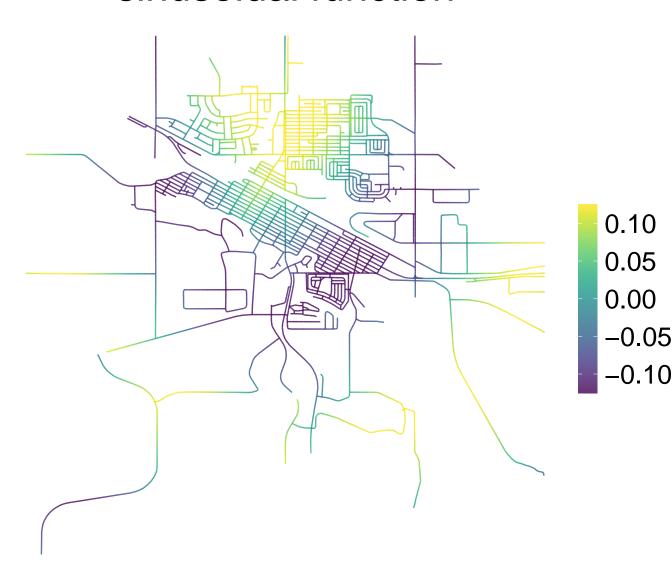
$$= \mathbf{z}_{i}$$



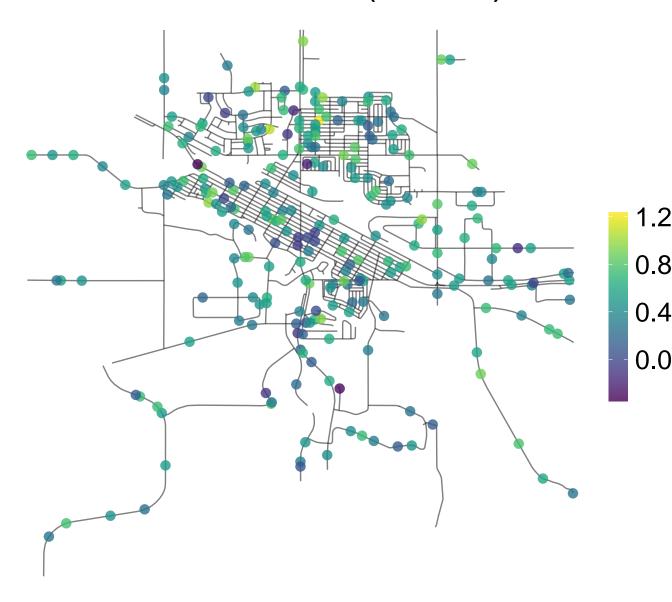
$N(0.5, 0.25^2)$



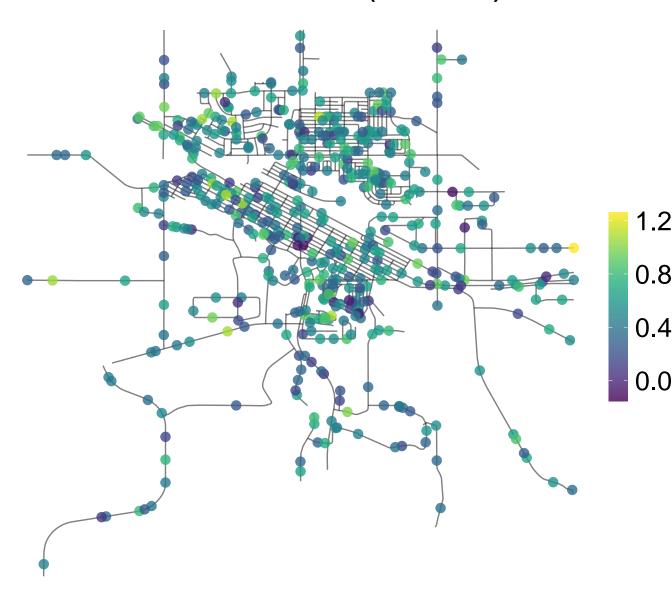
sinusoidal function



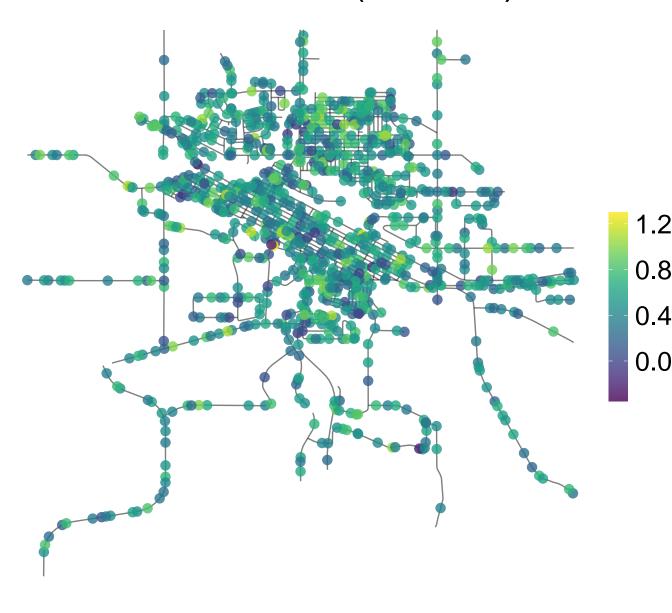
First Covariate(n=250)



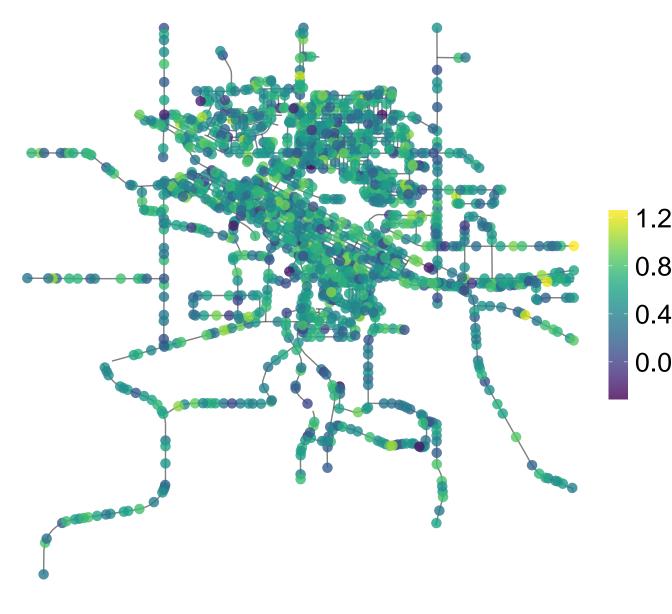
First Covariate(n=500)



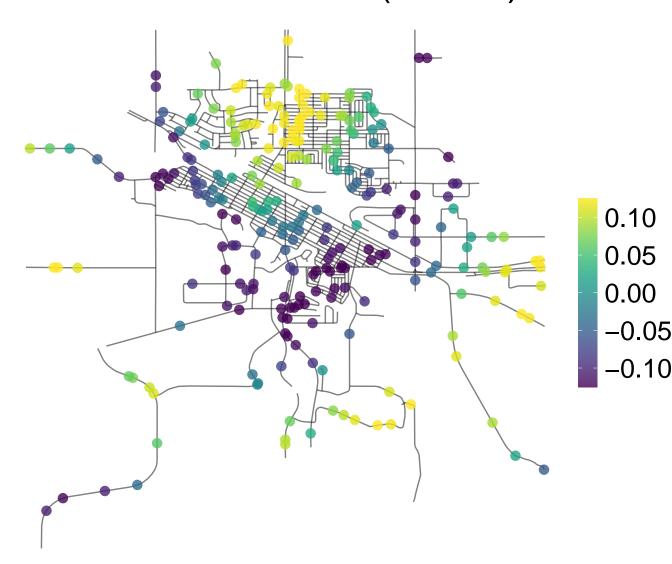
First Covariate(n=1000)



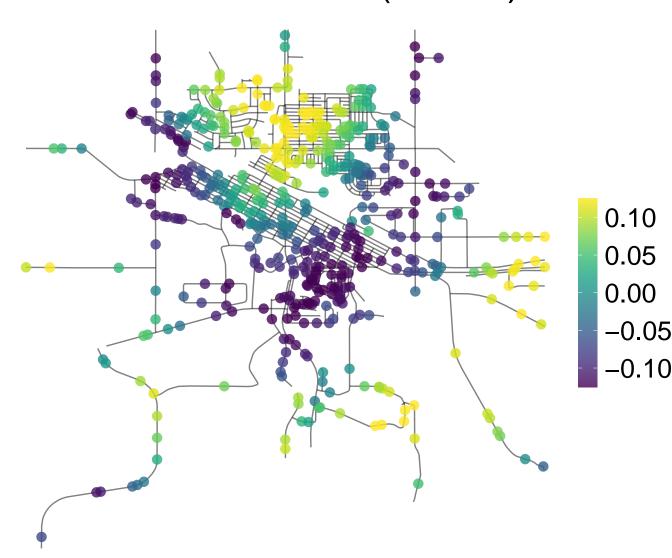
First Covariate(n=1500)



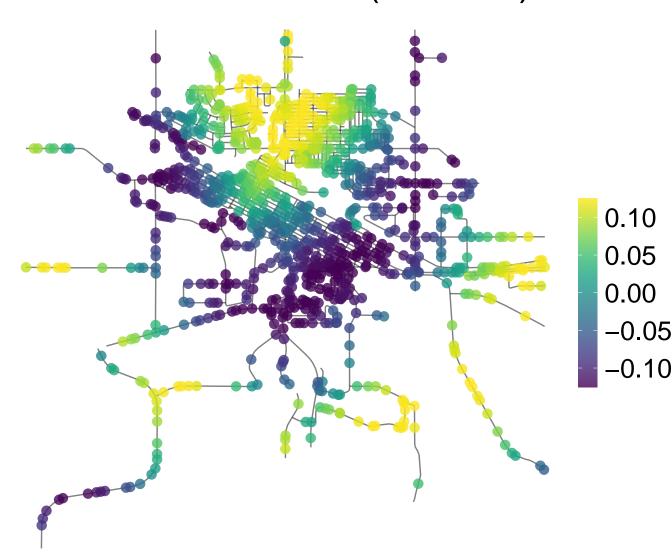
Second Covariate(n=250)



Second Covariate(n=500)



Second Covariate(n=1000)



Second Covariate(n=1500)

