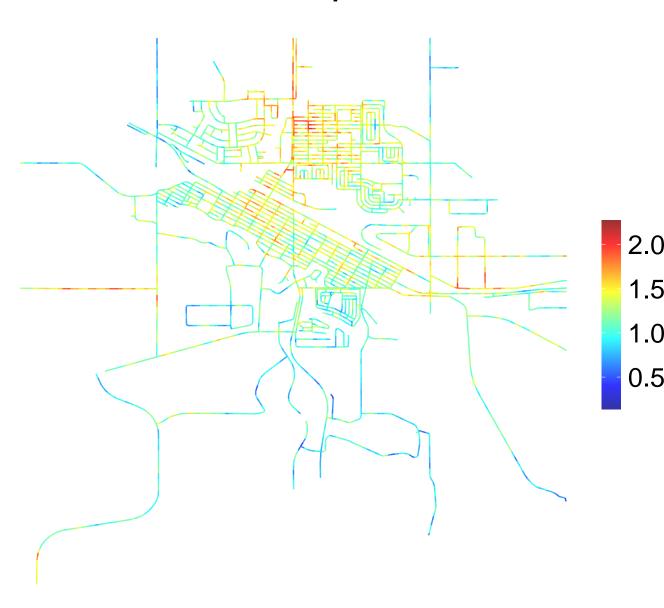
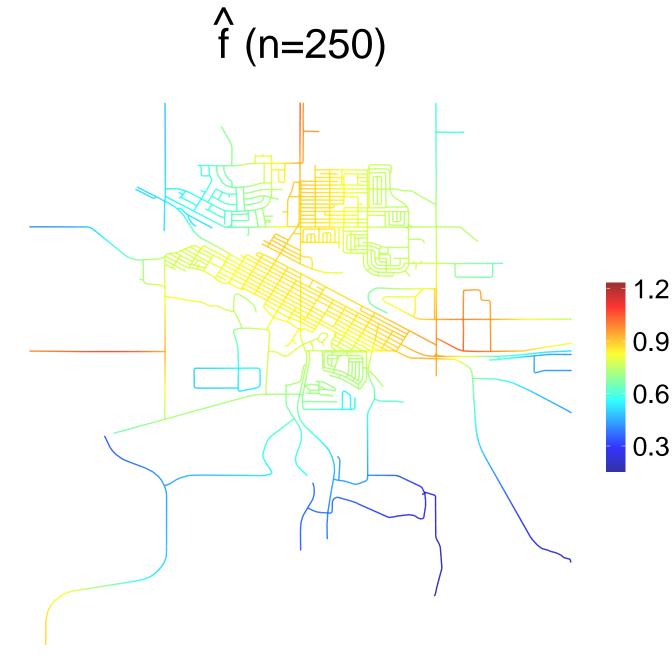
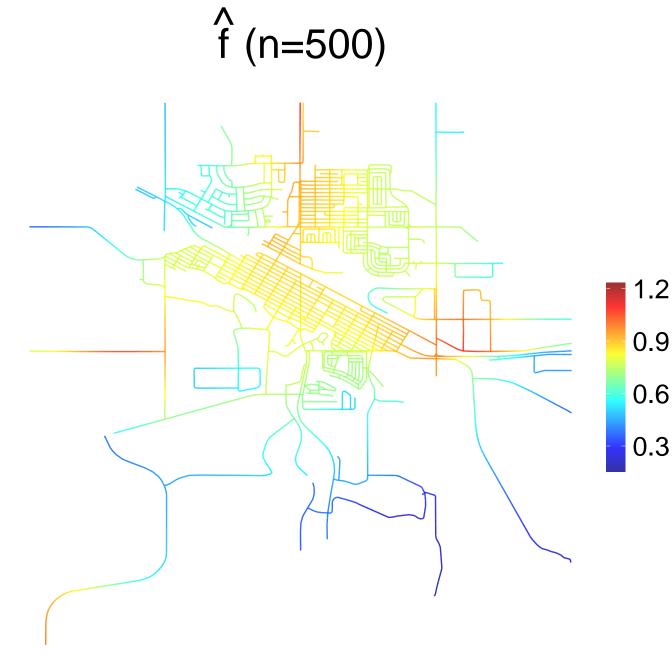


$f + W\beta$

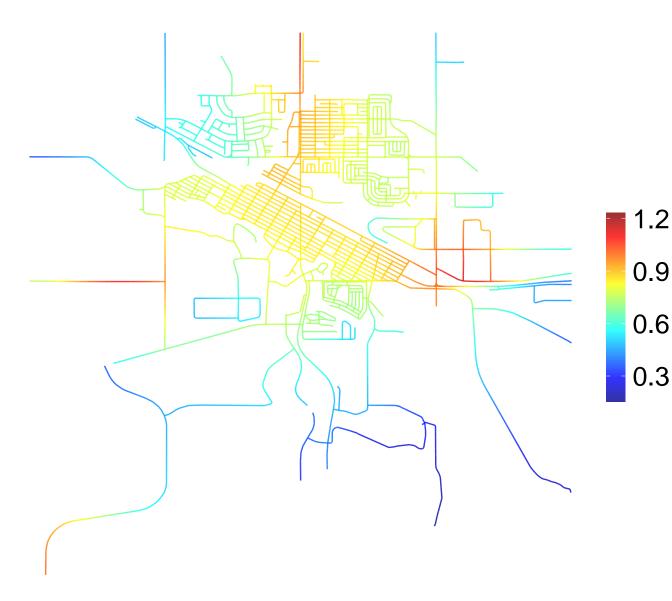


RMSE 0.06-0.05-**GWRSR−PDE** 0.040.03-500 1000 1500 250 observations

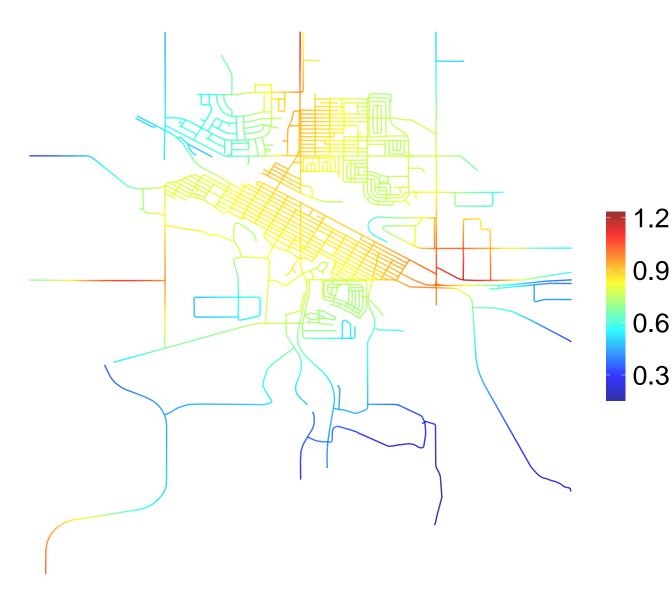




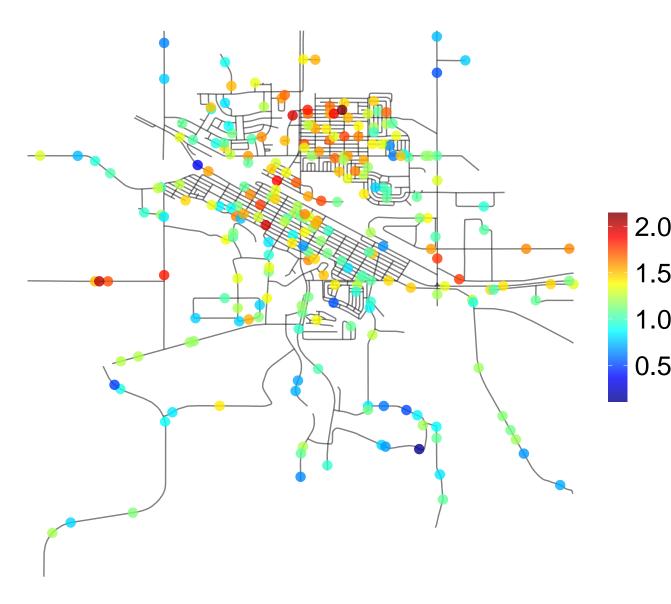
f (n=1000)



f (n=1500)



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



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

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

$$= \mathbf{v}_{i}^{\mathsf{T}} \boldsymbol{\beta} + \mathbf{f}(\mathbf{p}_{i}) + \mathbf{f}(\mathbf{p}_{i}) + \mathbf{f}(\mathbf{p}_{i})$$

$$= \mathbf{v}_{i}^{\mathsf{T}} \boldsymbol{\beta} + \mathbf{f}(\mathbf{p}_{i}) + \mathbf{f}(\mathbf{p}_{i}) + \mathbf{f}(\mathbf{p}_{i})$$

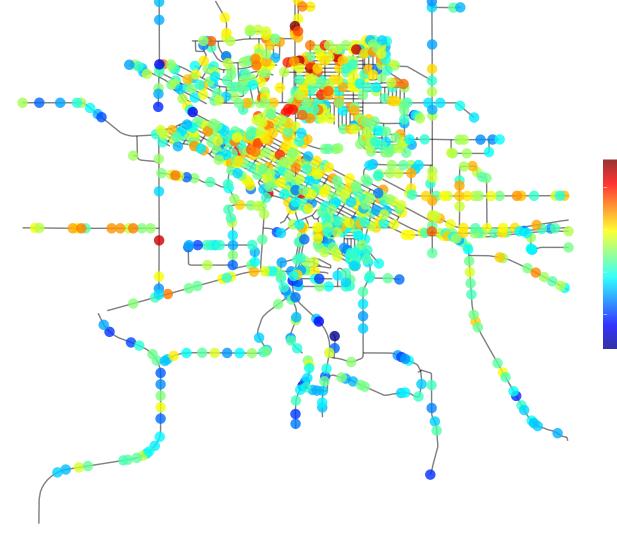
$$= \mathbf{v}_{i}^{\mathsf{T}} \boldsymbol{\beta} + \mathbf{f}(\mathbf{p}_{i}) + \mathbf{f}(\mathbf{p}_{i}) + \mathbf{f}(\mathbf{p}_{i})$$

$$= \mathbf{v}_{i}^{\mathsf{T}} \boldsymbol{\beta} + \mathbf{f}(\mathbf{p}_{i}) + \mathbf{f}(\mathbf{p}_{i}) + \mathbf{f}(\mathbf{p}_{i}) + \mathbf{f}(\mathbf{p}_{i})$$

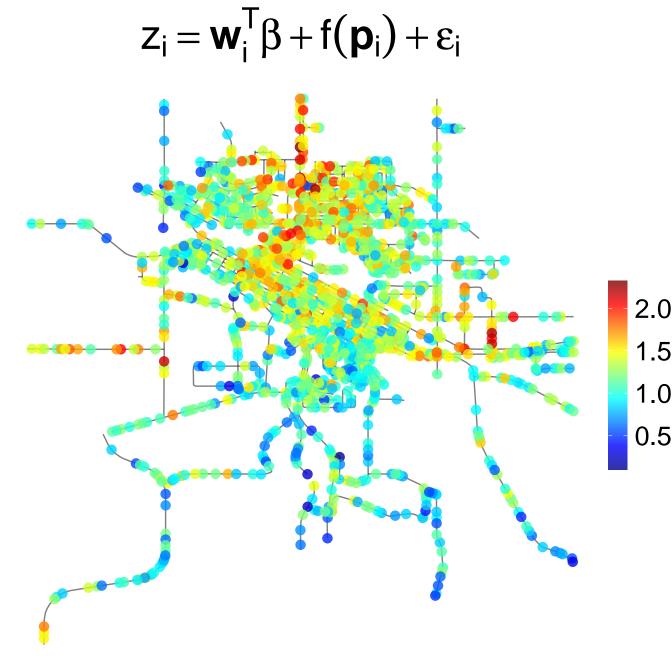
1.5

1.0

$$z_{i} = \mathbf{w}_{i}^{\mathsf{T}} \boldsymbol{\beta} + f(\mathbf{p}_{i}) + \epsilon_{i}$$



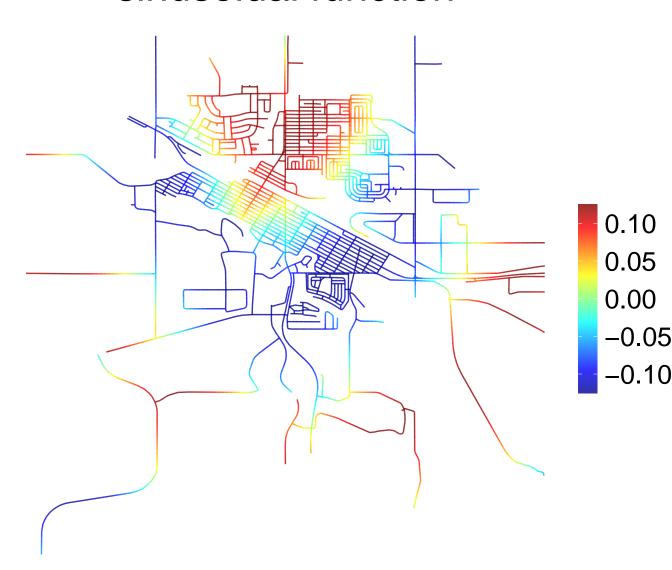
0.5



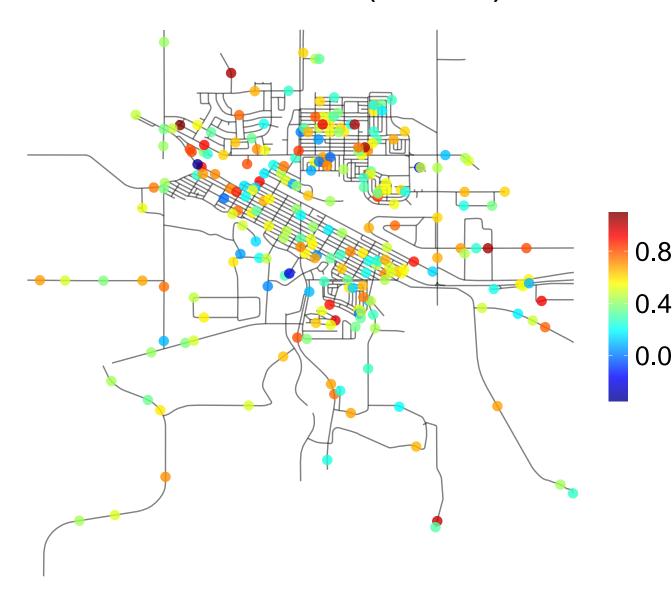
$N(0.5, 0.25^2)$



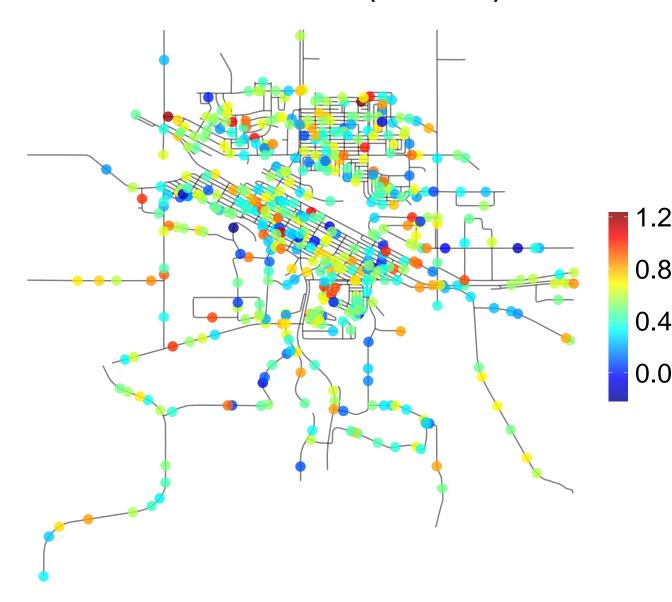
sinusoidal function



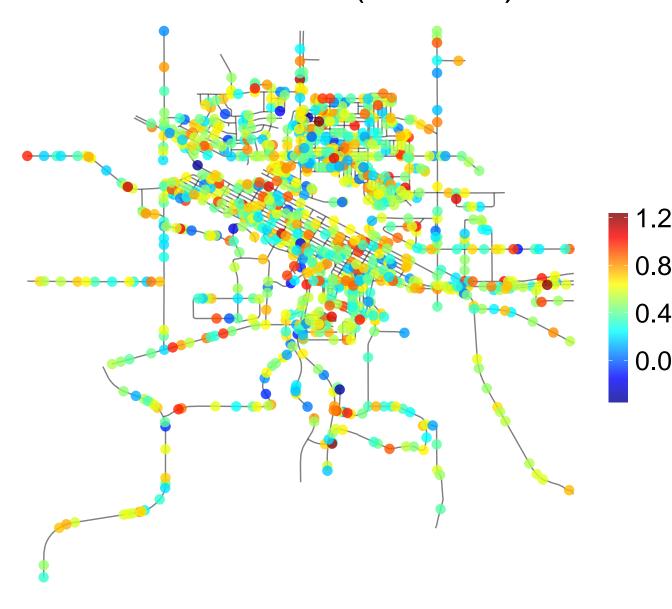
First Covariate(n=250)



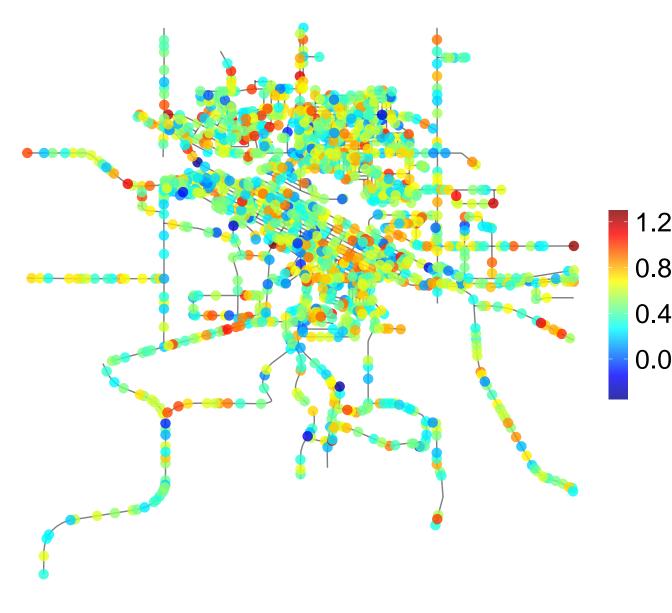
First Covariate(n=500)



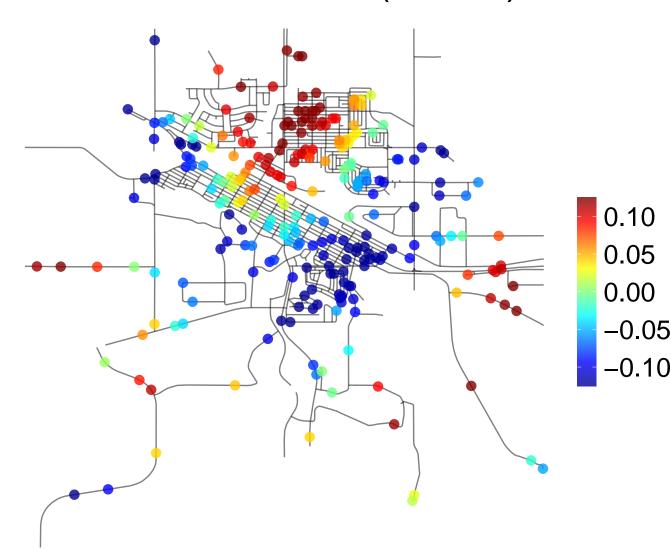
First Covariate(n=1000)



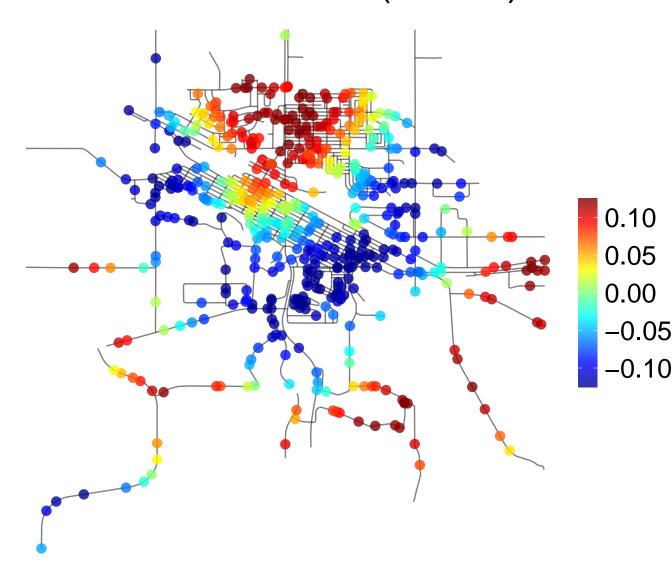
First Covariate(n=1500)



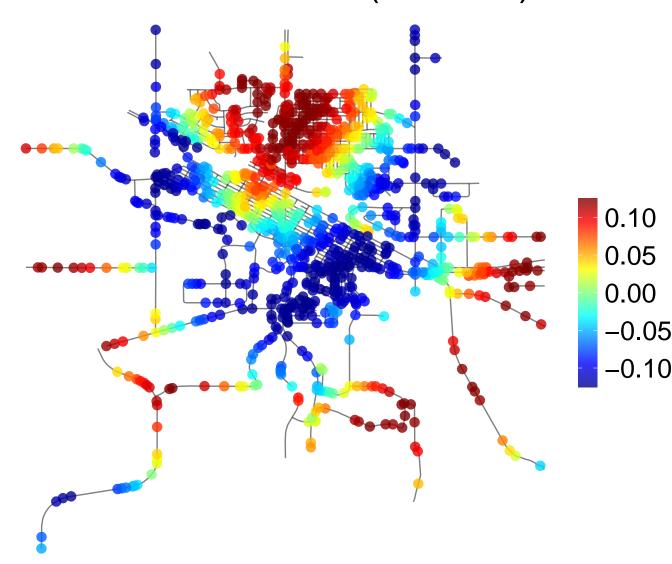
Second Covariate(n=250)



Second Covariate(n=500)



Second Covariate(n=1000)



Second Covariate(n=1500)

