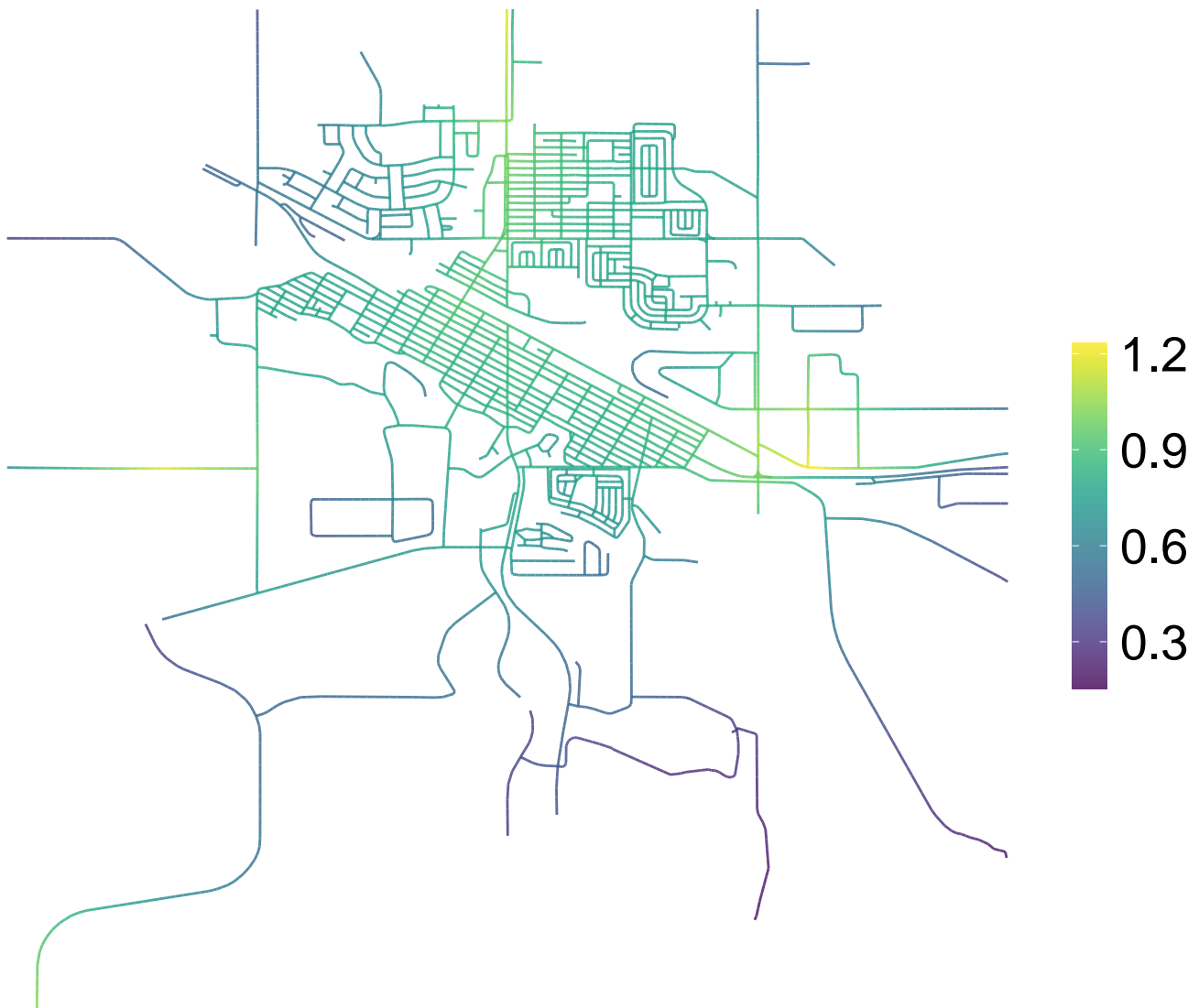
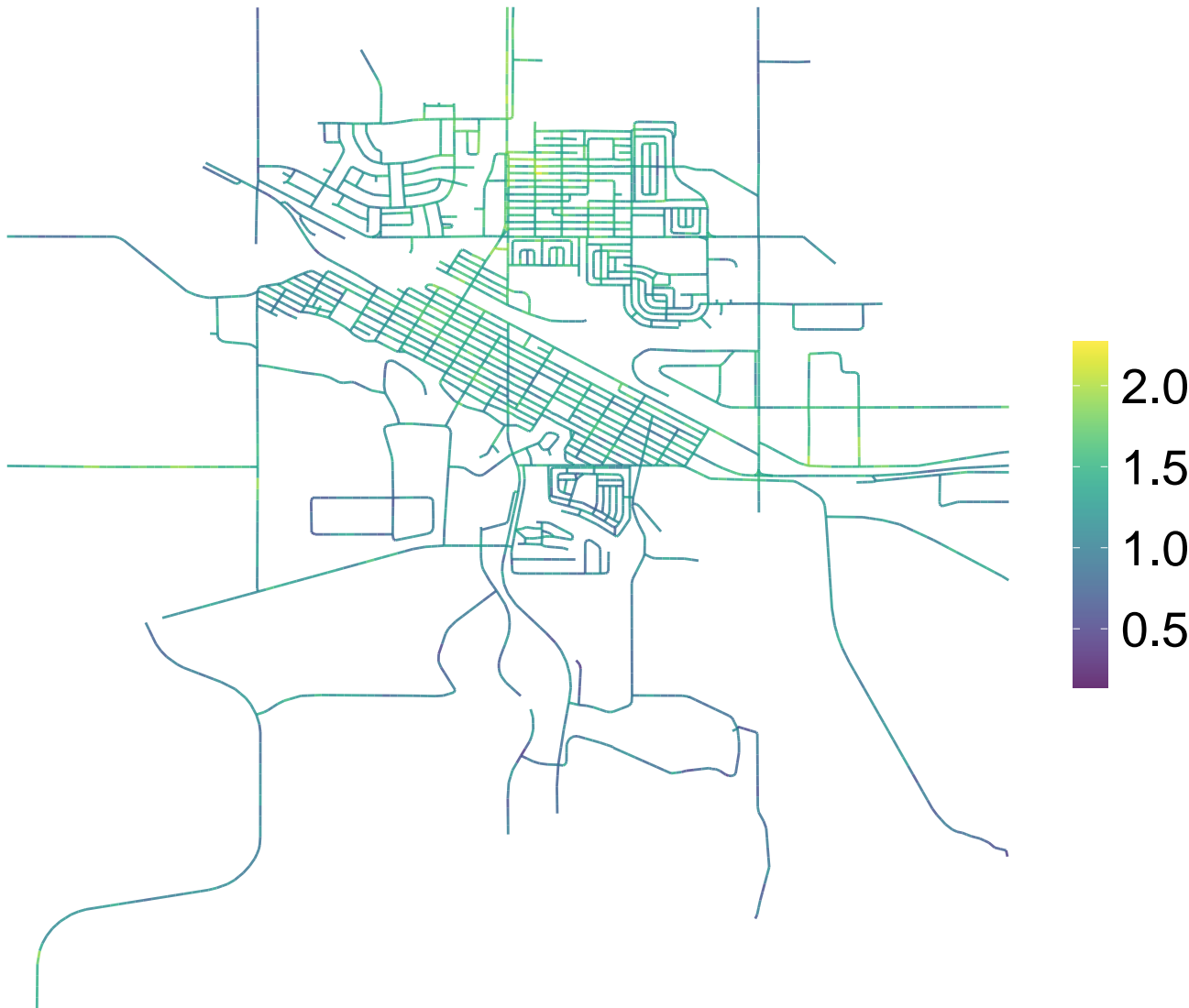


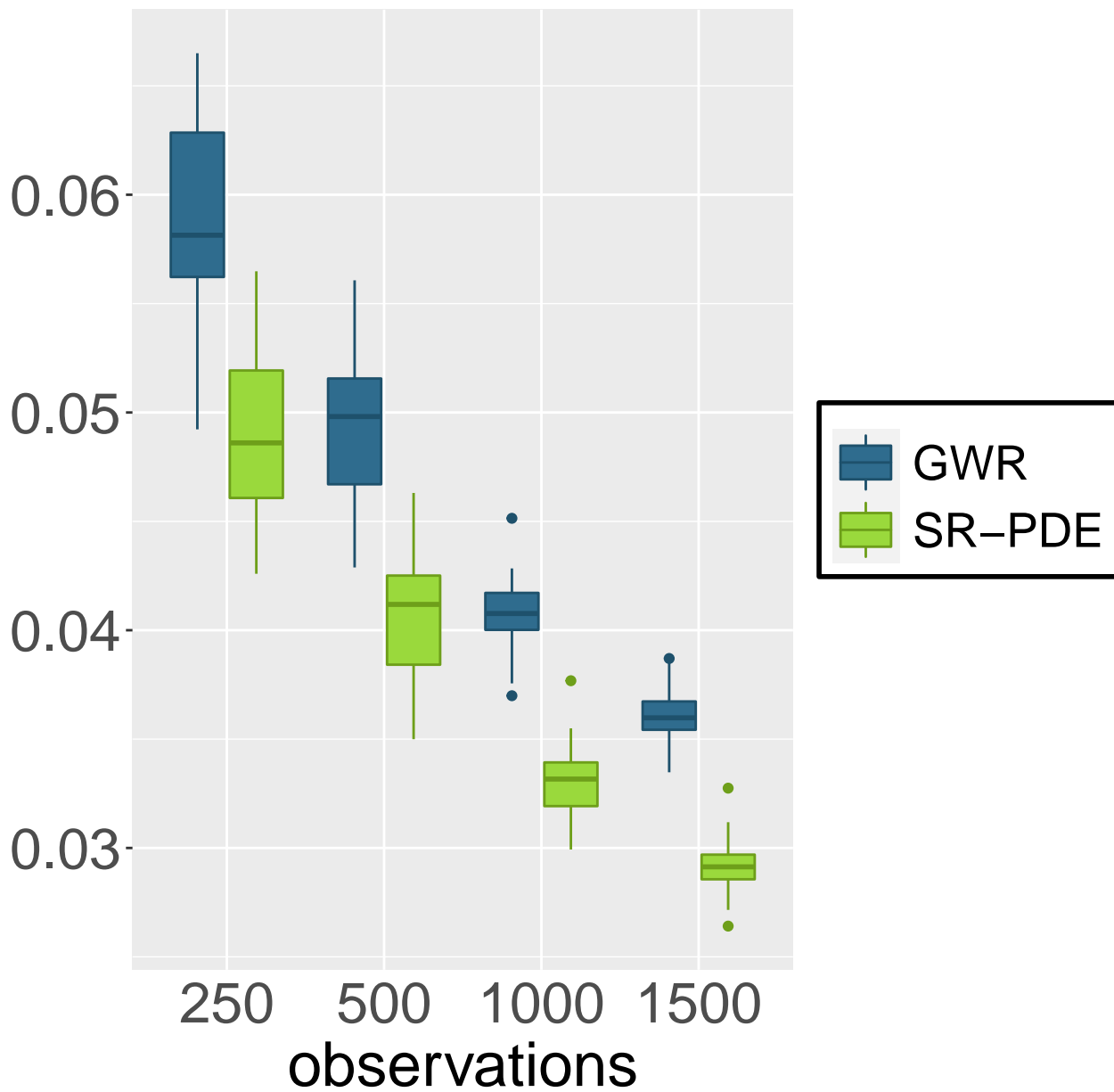
f



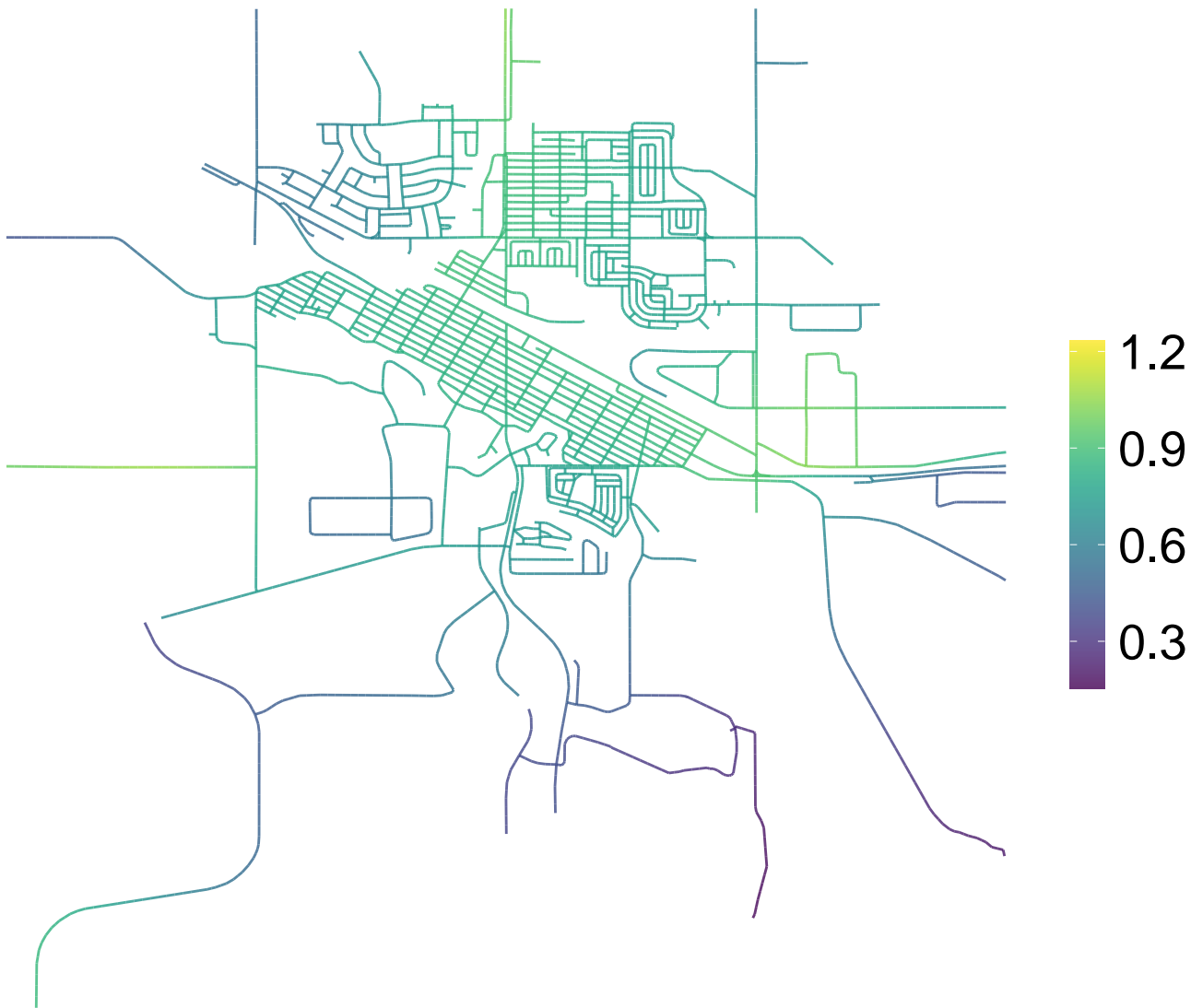
$$f + W\beta$$



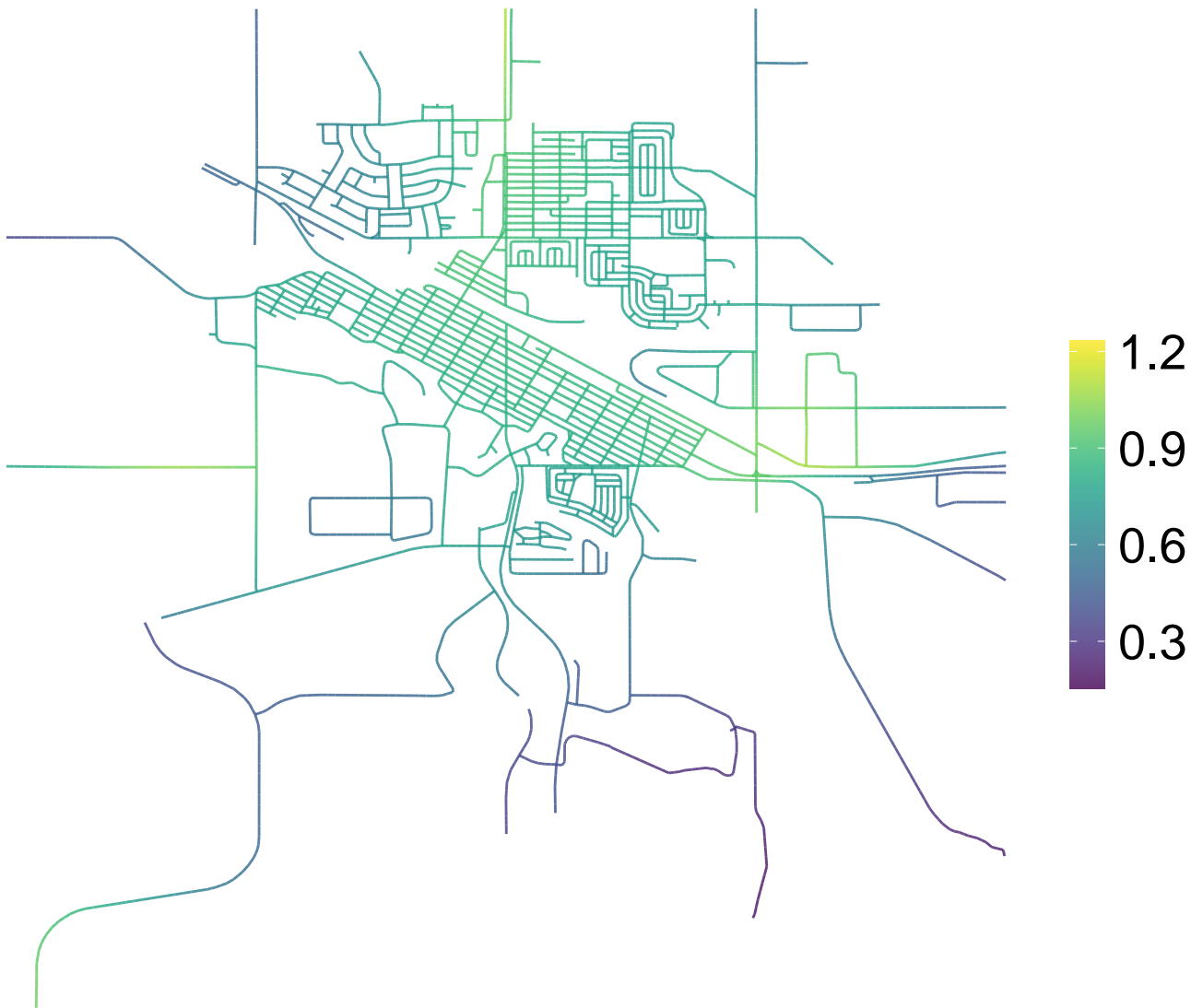
RMSE



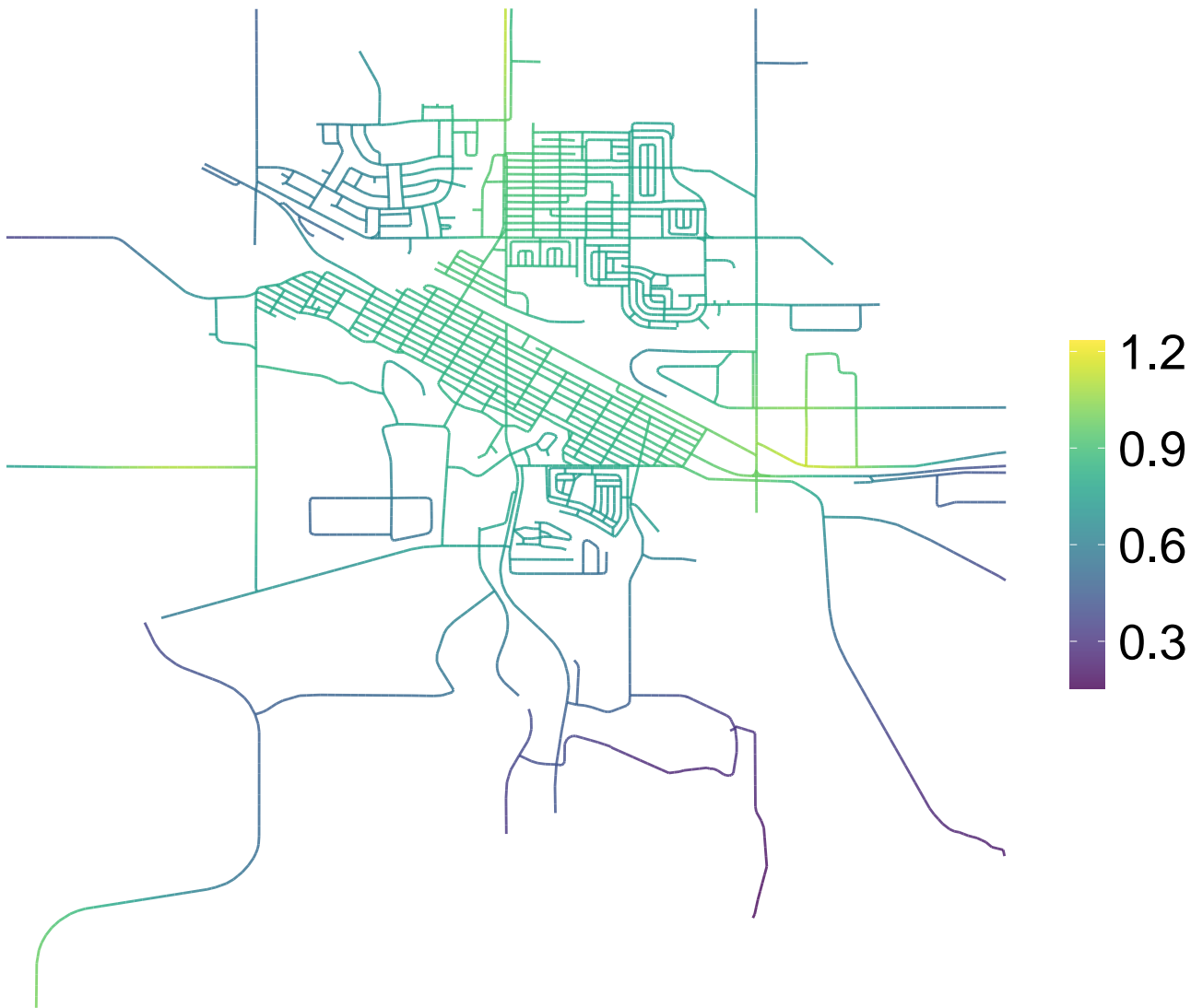
\hat{f} (n=250)



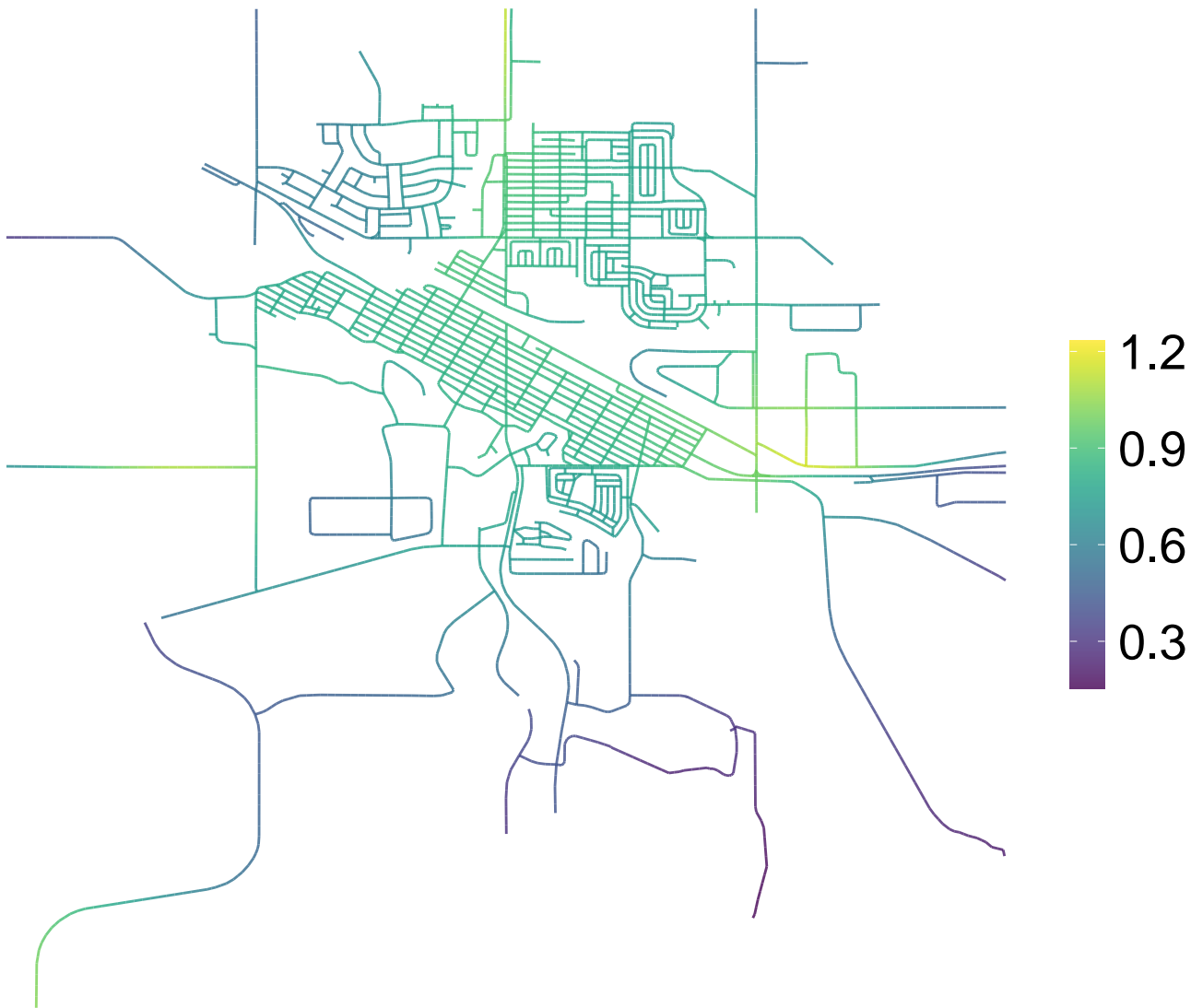
\hat{f} (n=500)



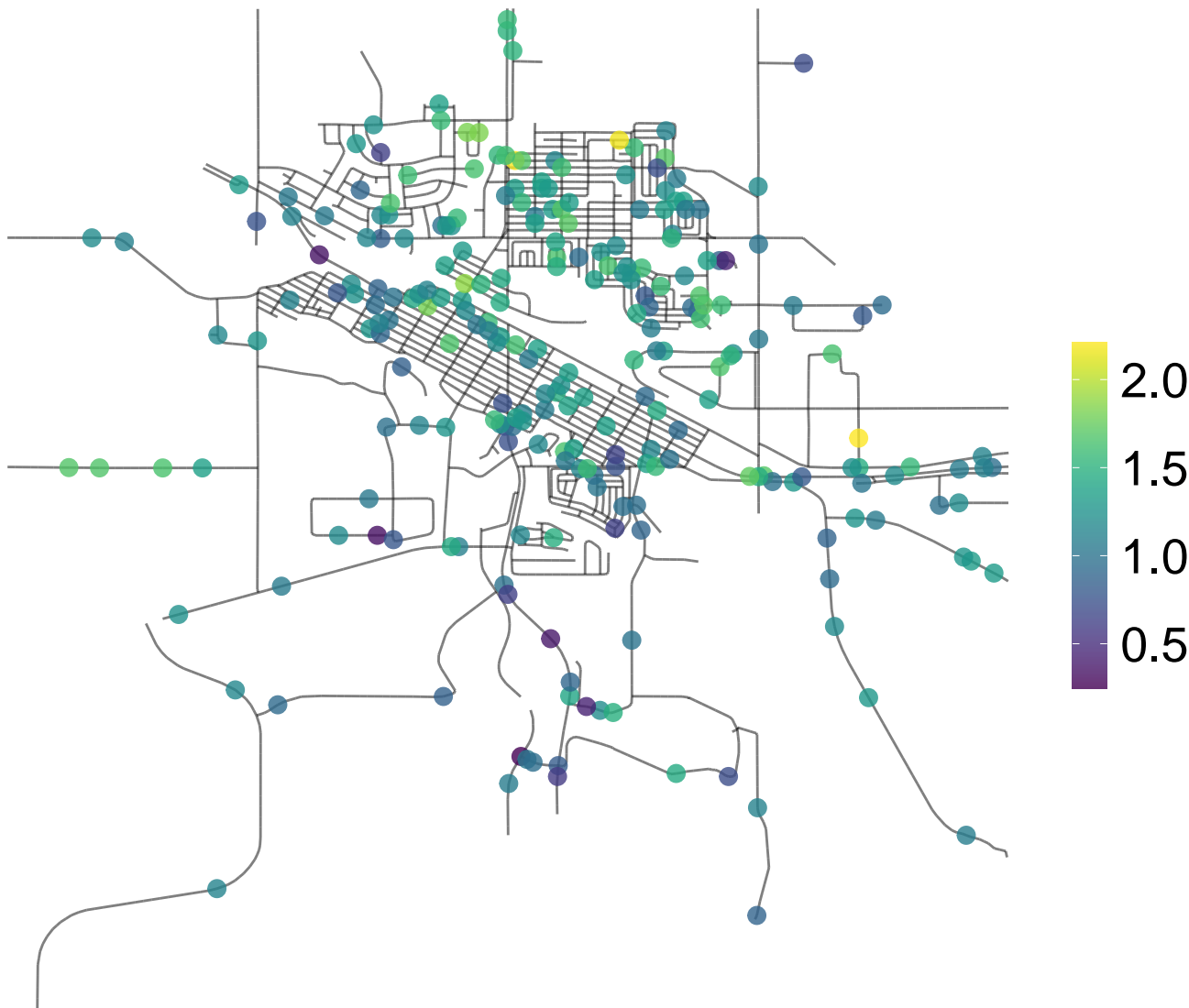
\hat{f} (n=1000)



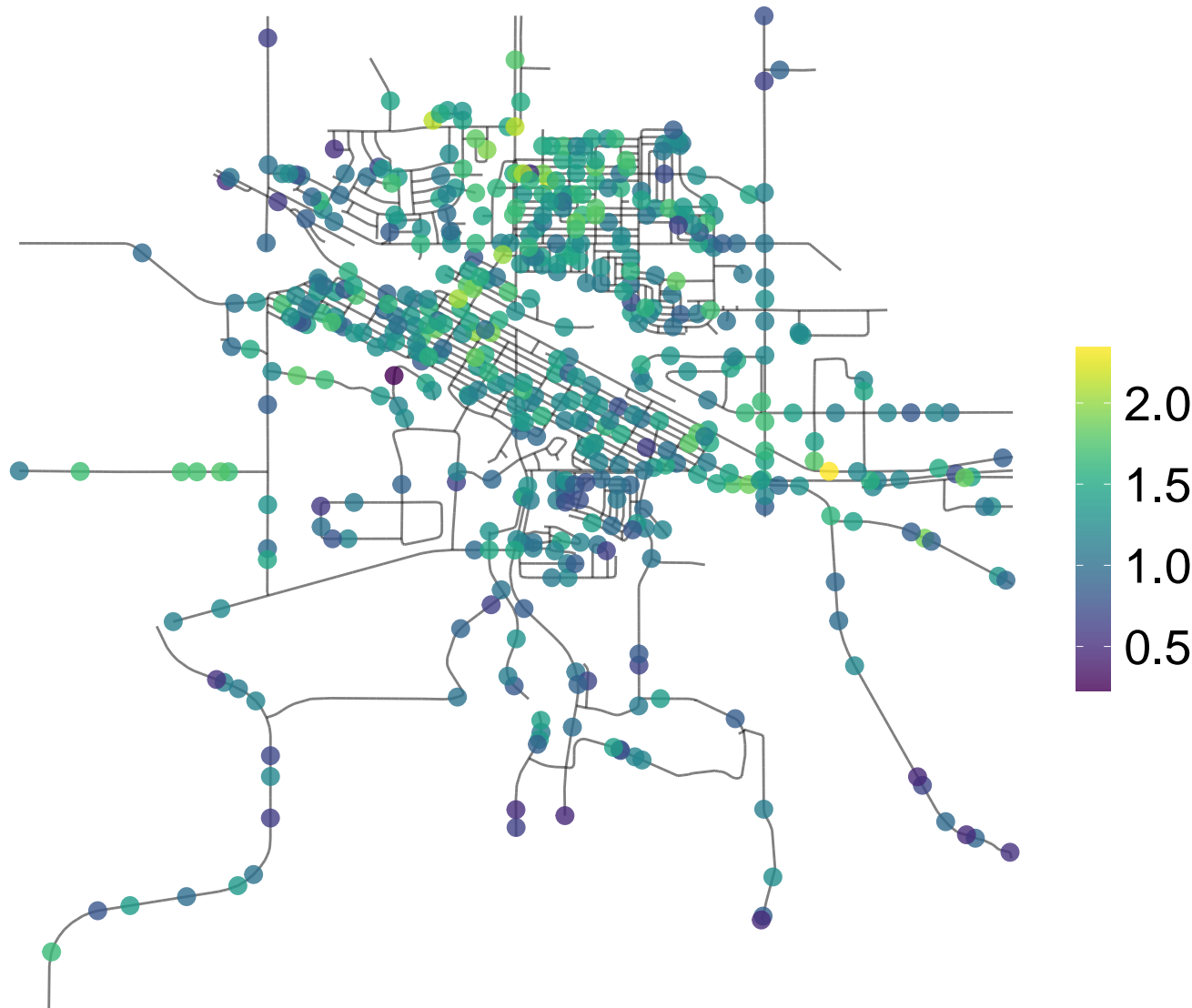
\hat{f} (n=1500)



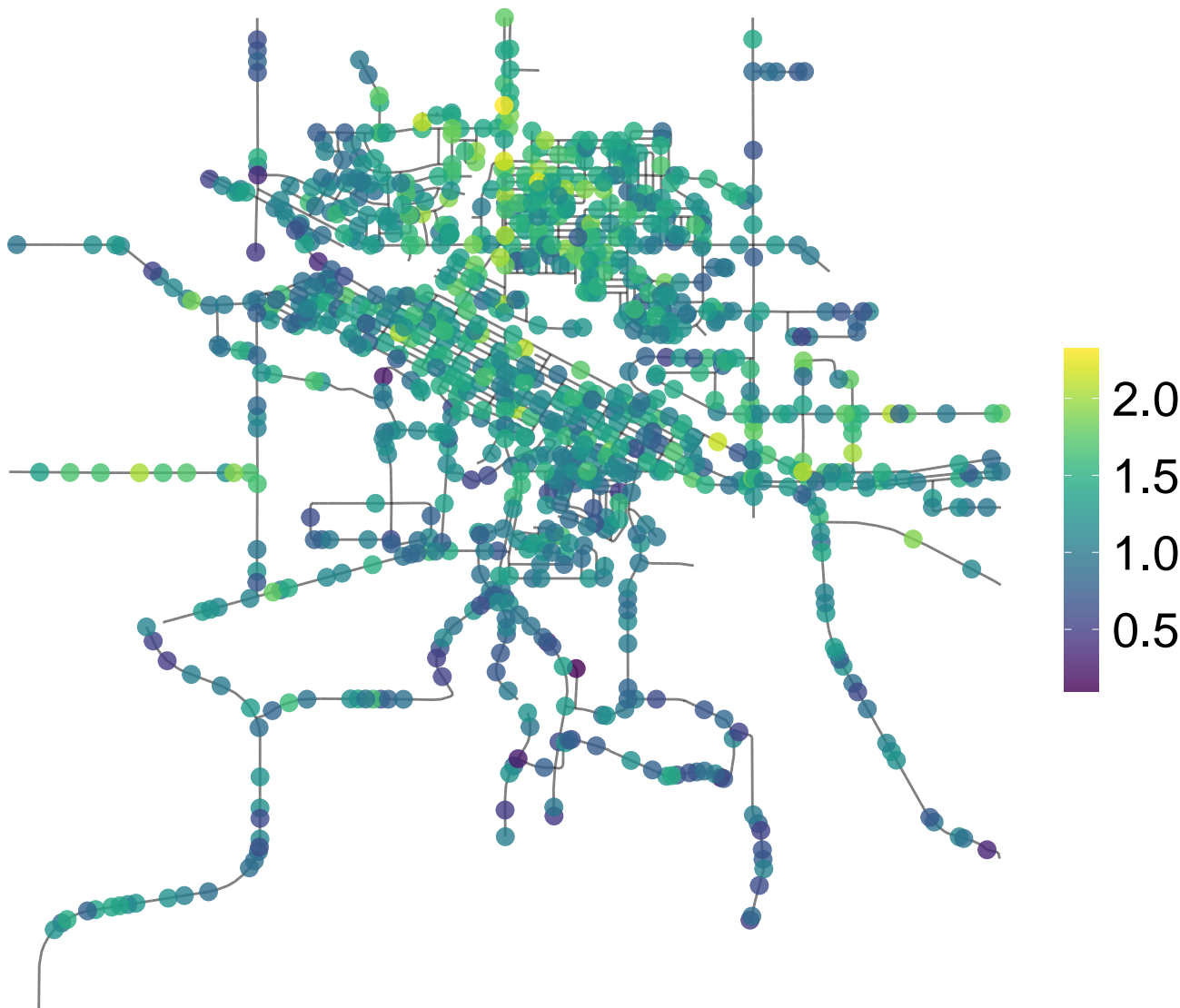
$$\mathbf{z}_i = \mathbf{w}_i^\top \boldsymbol{\beta} + f(\mathbf{p}_i) + \varepsilon_i$$



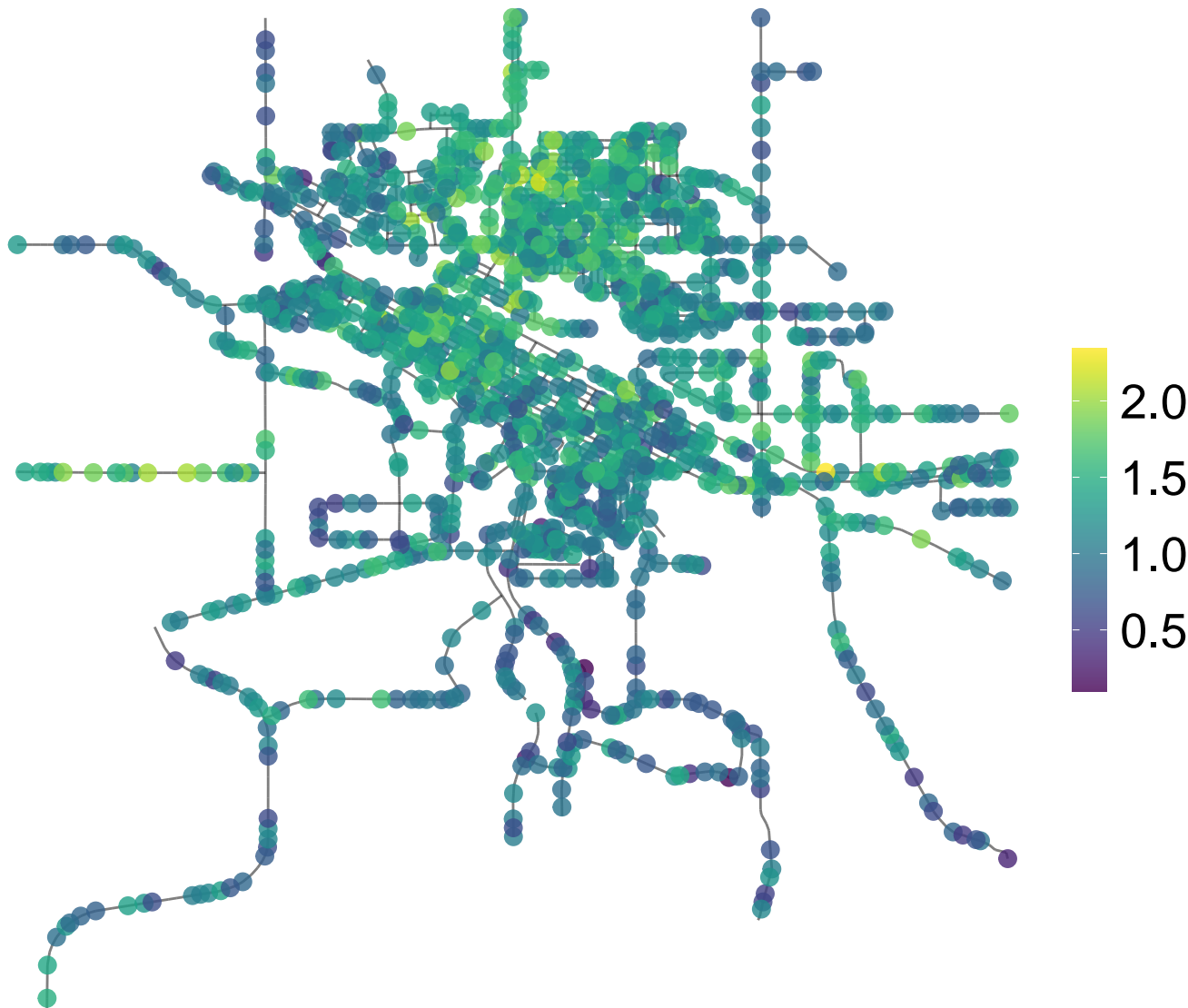
$$\mathbf{z}_i = \mathbf{w}_i^\top \boldsymbol{\beta} + f(\mathbf{p}_i) + \varepsilon_i$$



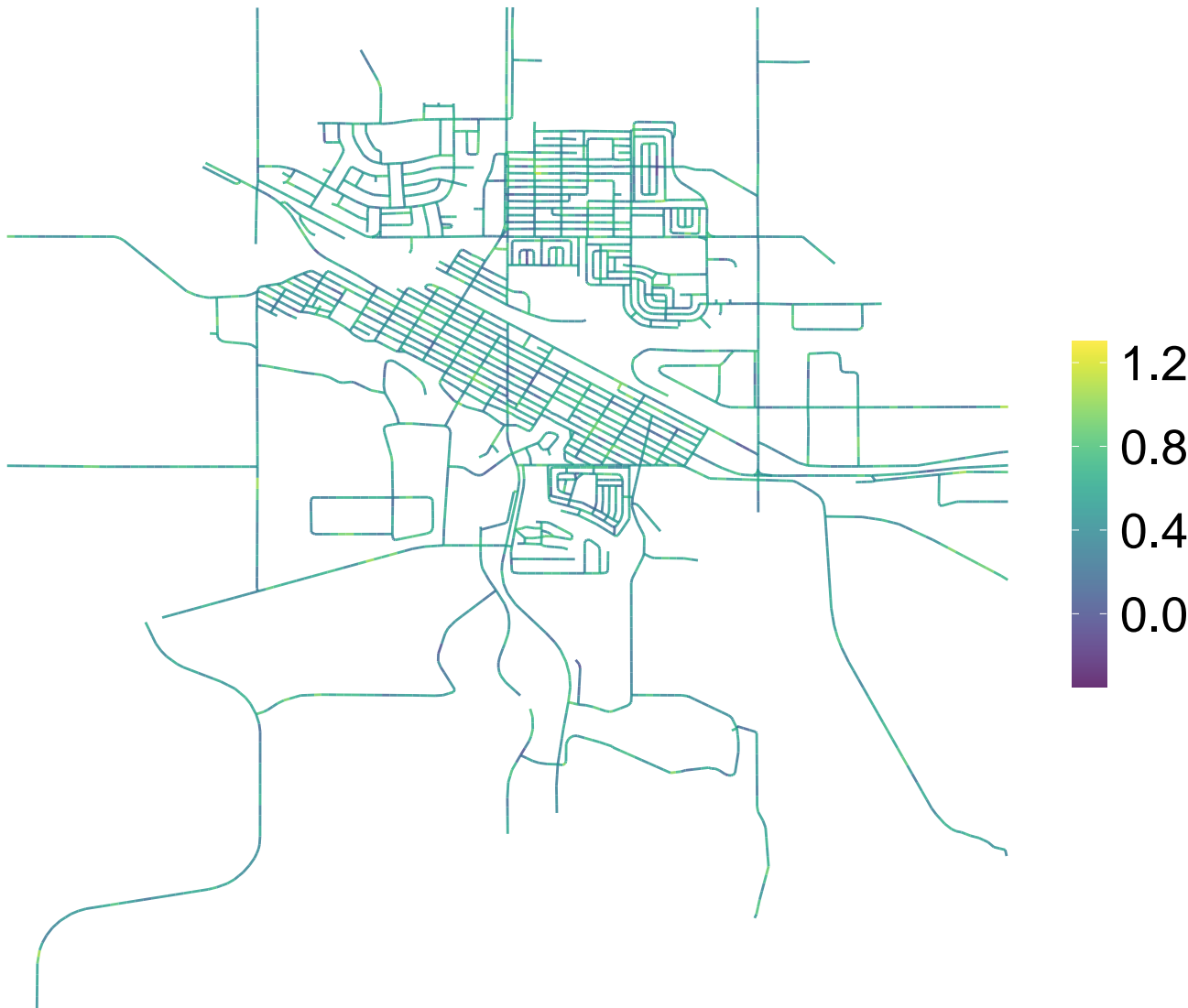
$$\mathbf{z}_i = \mathbf{w}_i^\top \boldsymbol{\beta} + f(\mathbf{p}_i) + \varepsilon_i$$



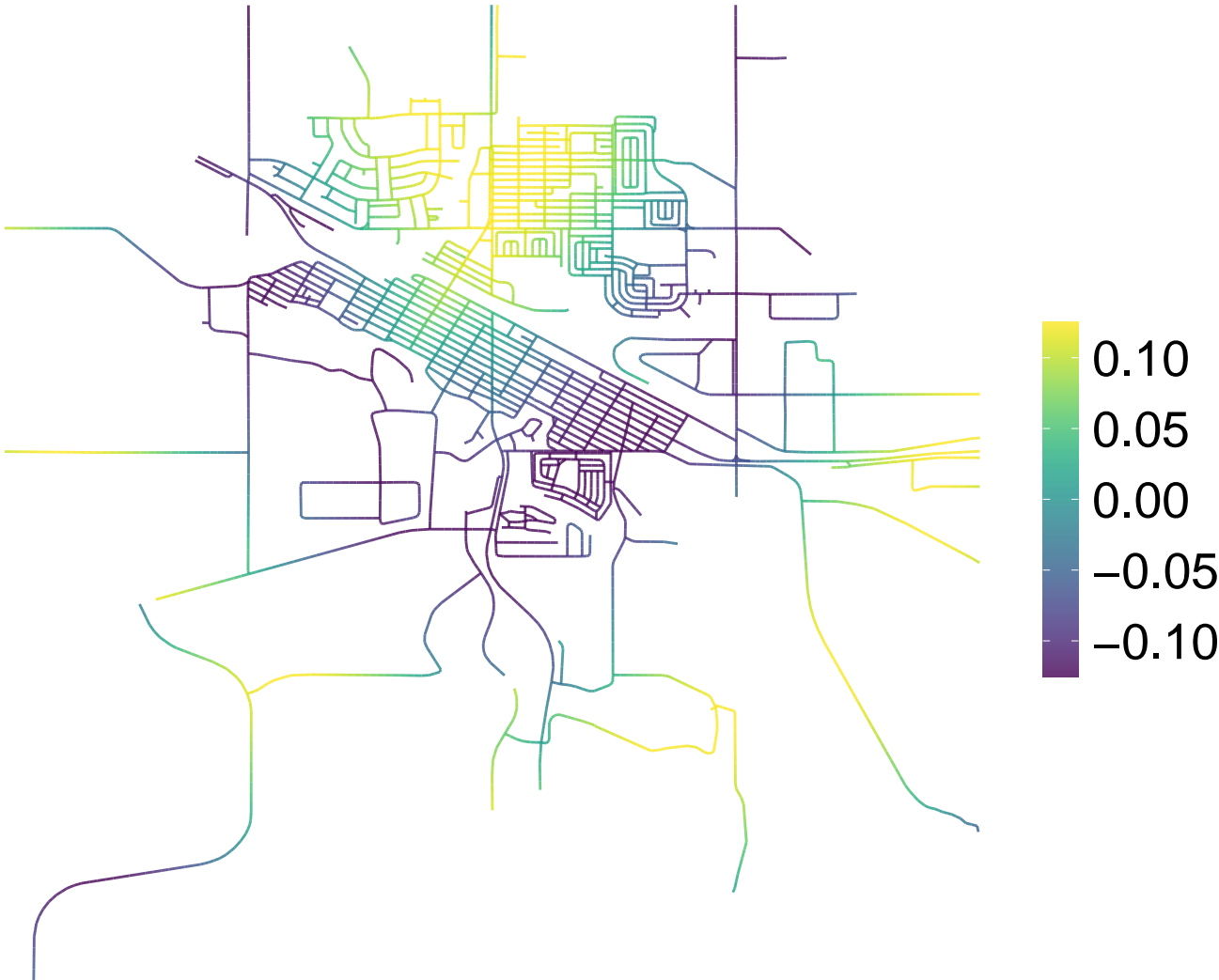
$$\mathbf{z}_i = \mathbf{w}_i^\top \boldsymbol{\beta} + f(\mathbf{p}_i) + \varepsilon_i$$



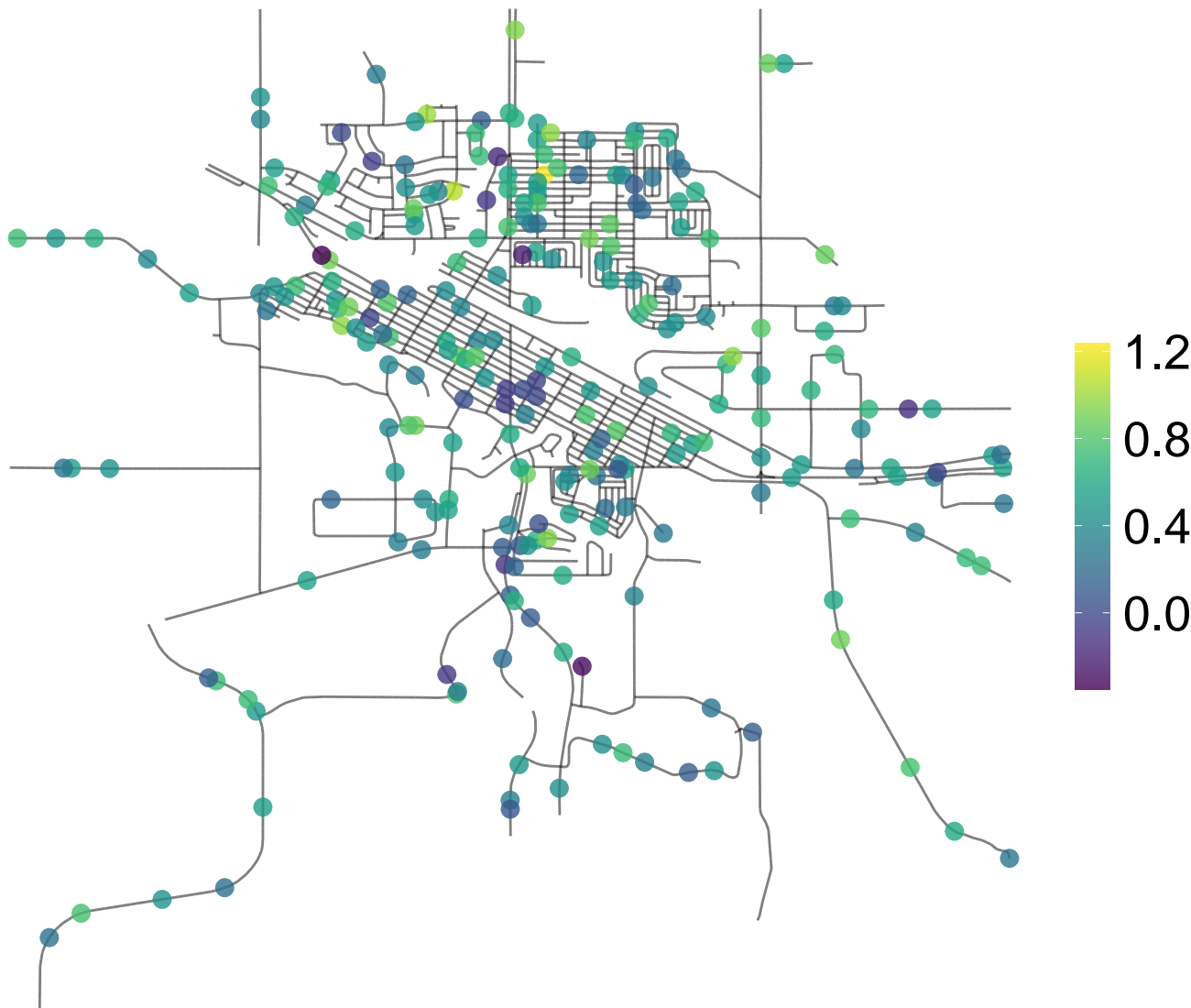
$N(0.5, 0.25^2)$



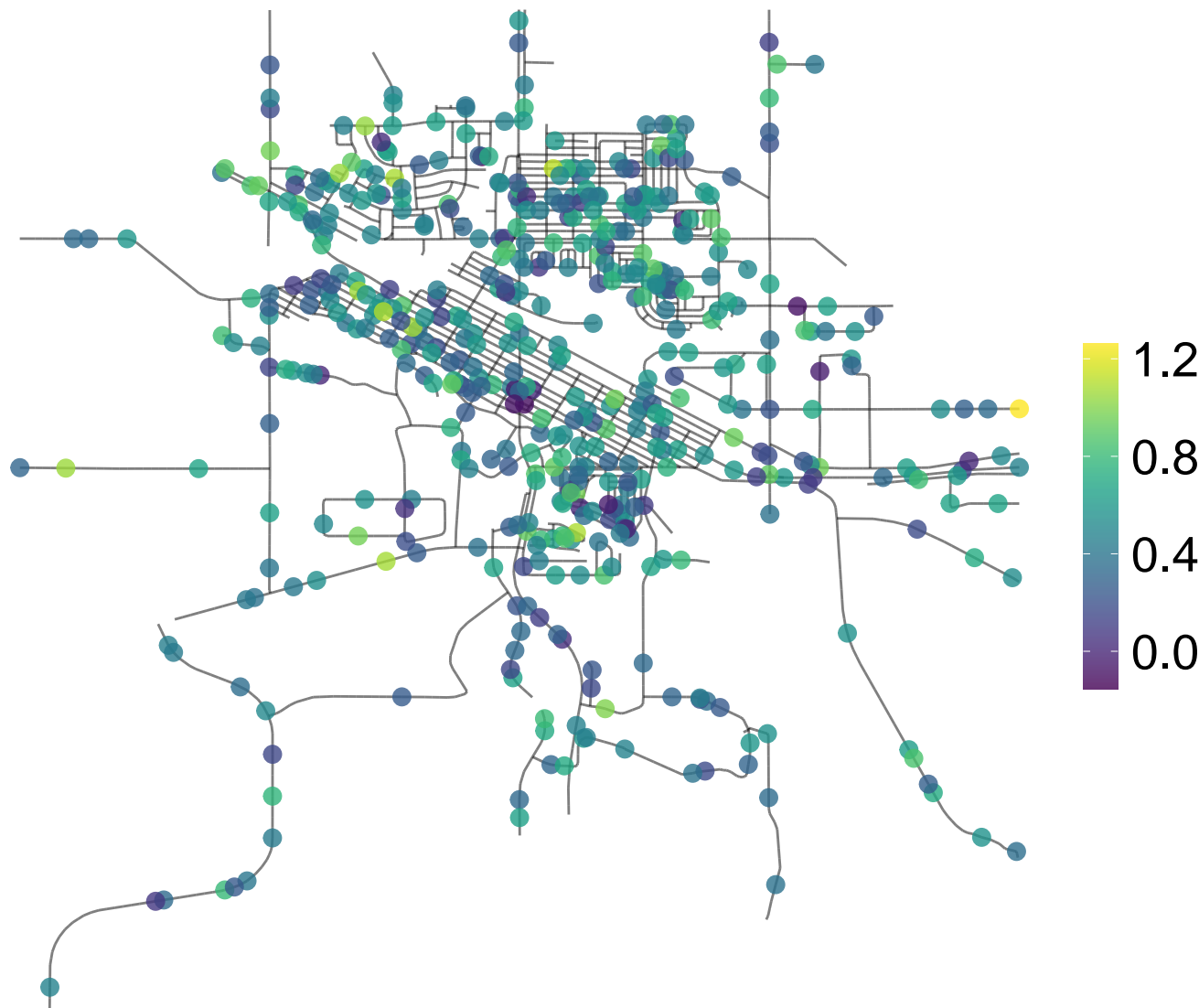
sinusoidal function



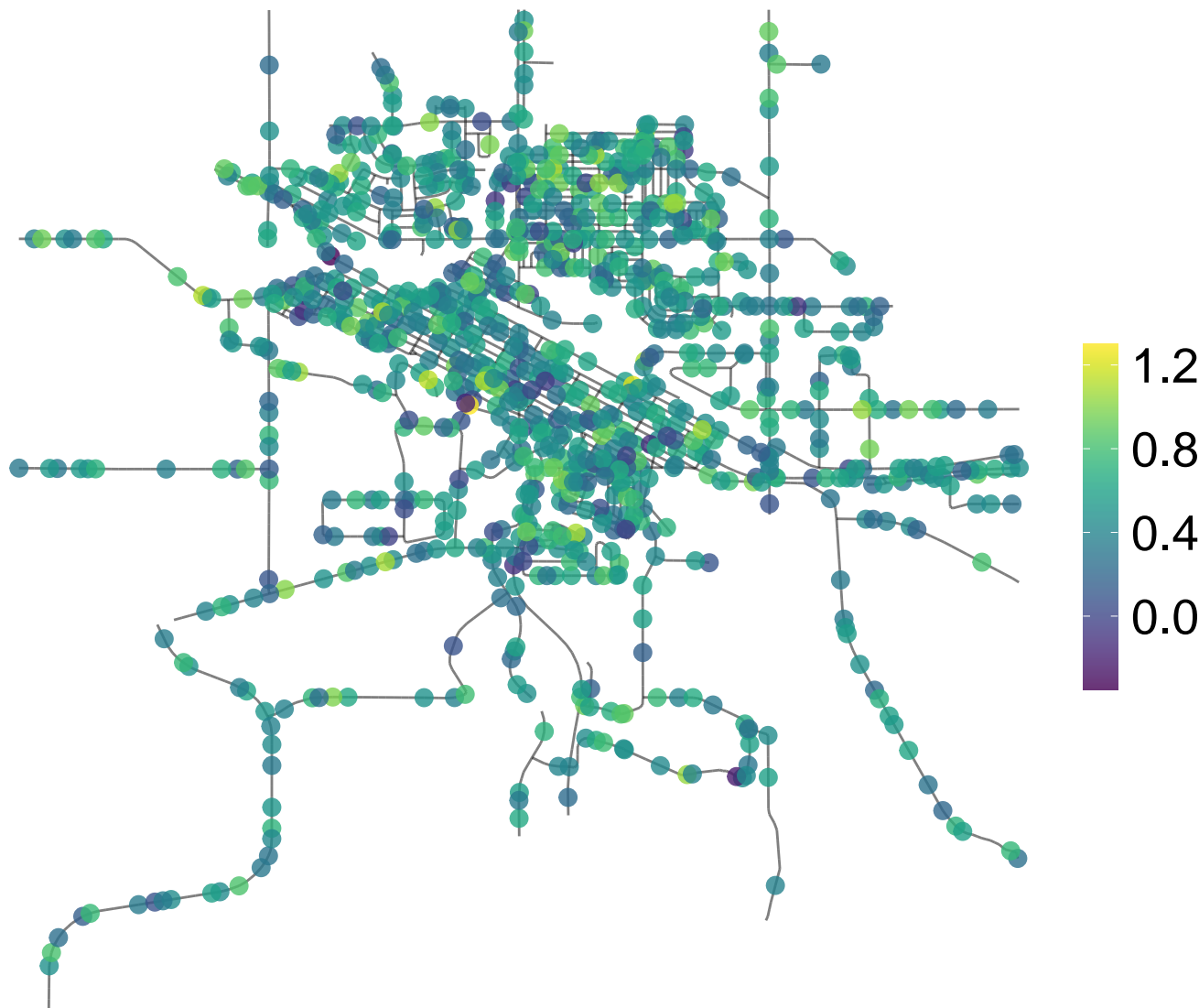
First Covariate(n=250)



First Covariate(n=500)



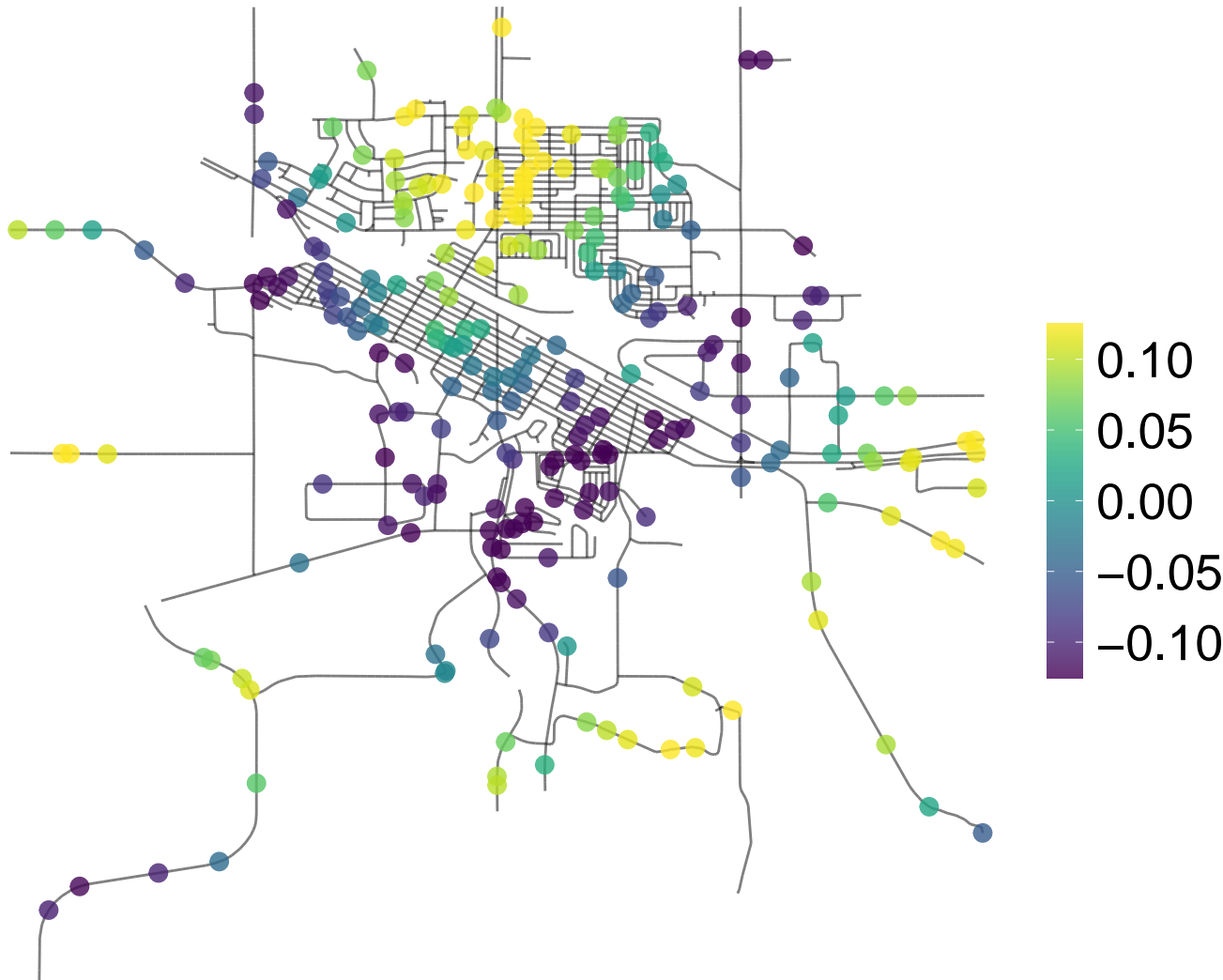
First Covariate(n=1000)



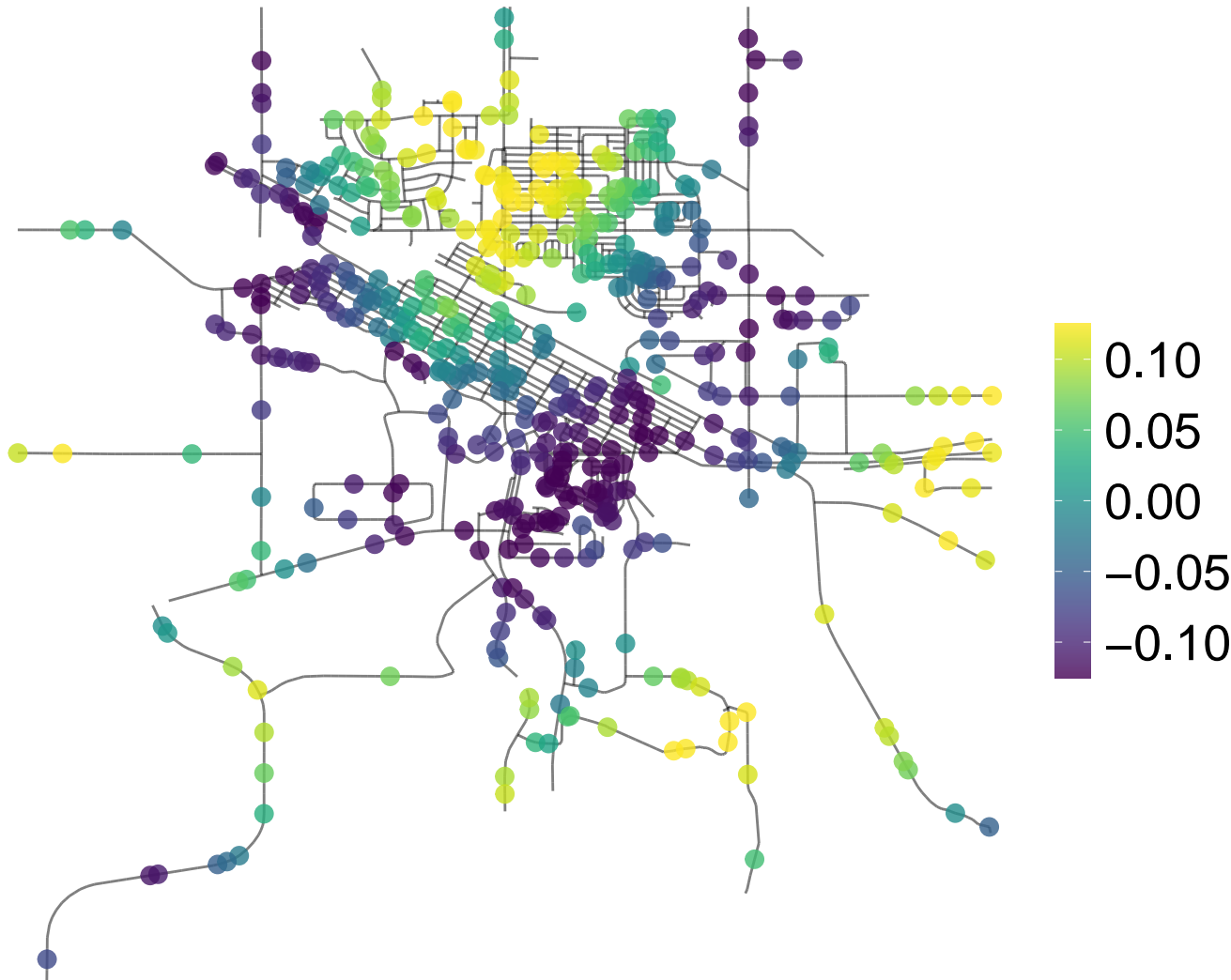
First Covariate(n=1500)



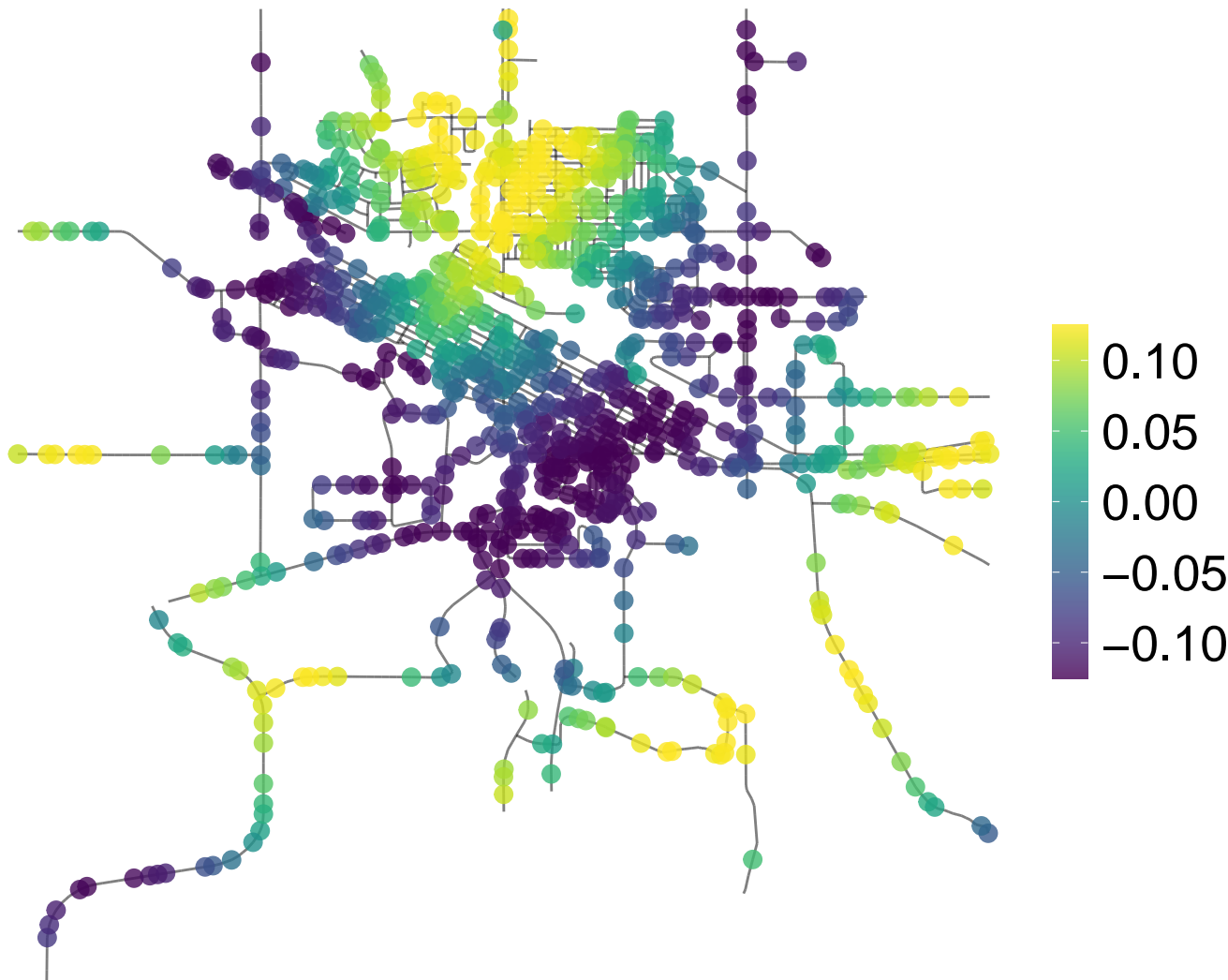
Second Covariate(n=250)



Second Covariate(n=500)



Second Covariate(n=1000)



Second Covariate(n=1500)

