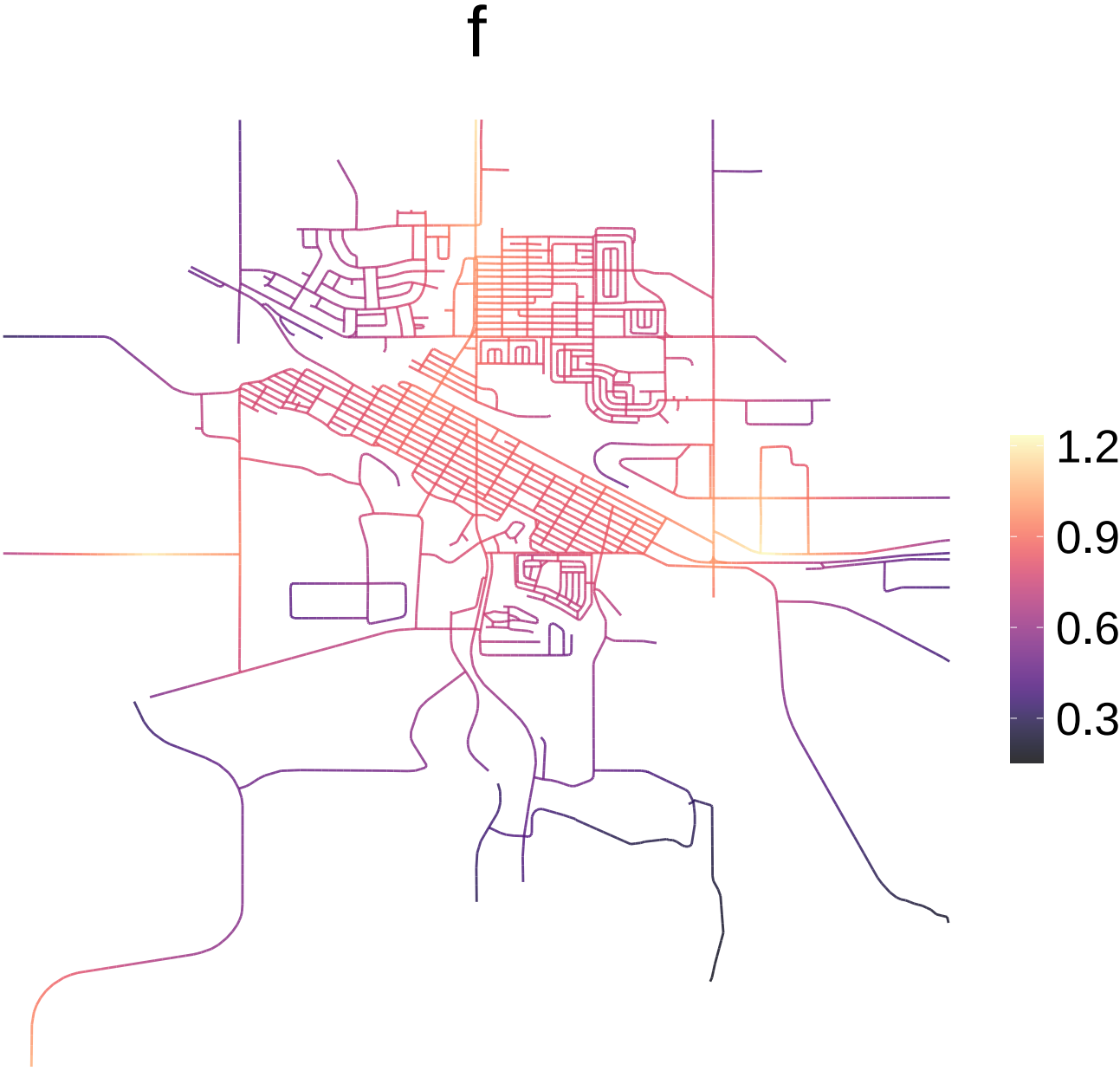
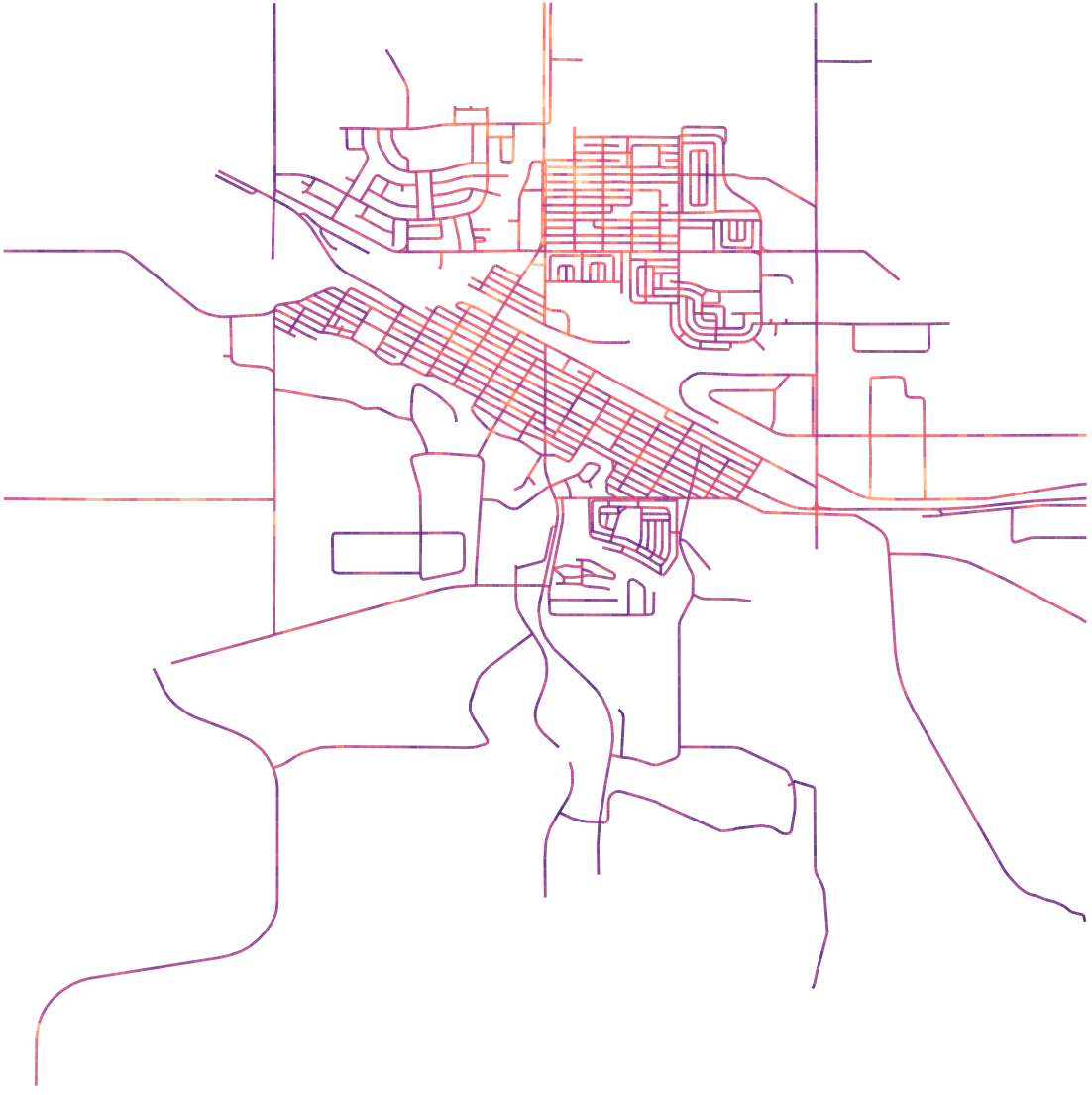
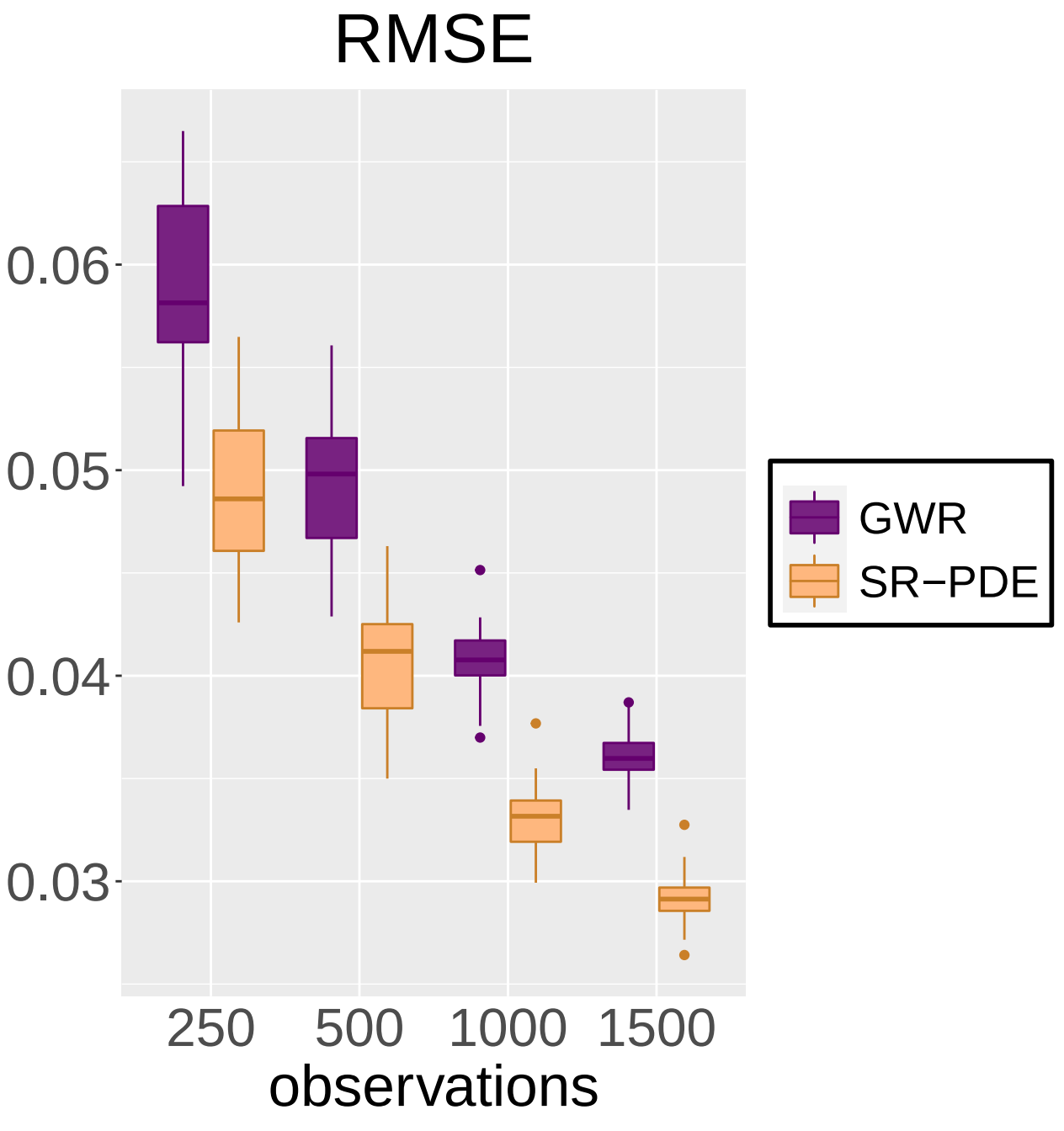
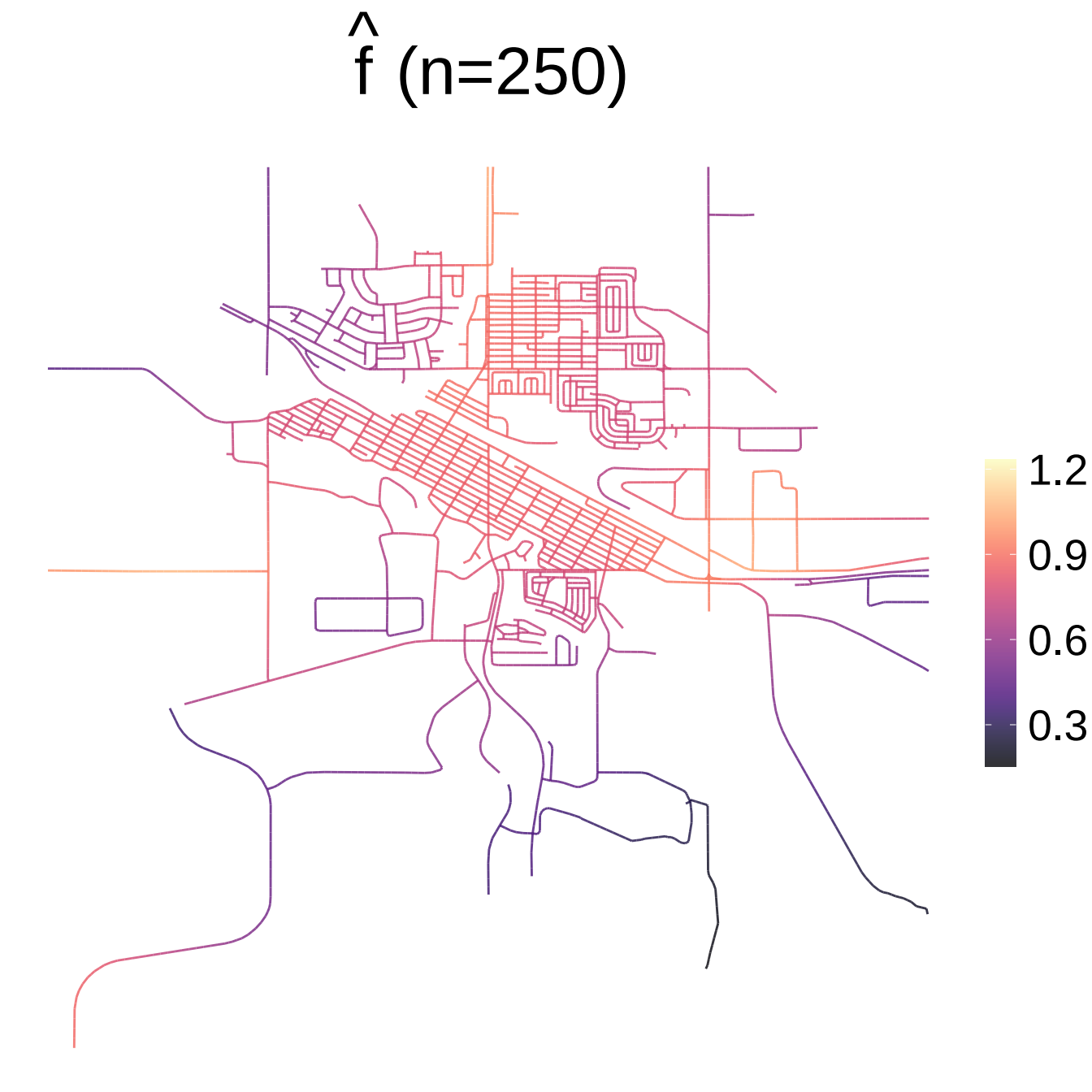
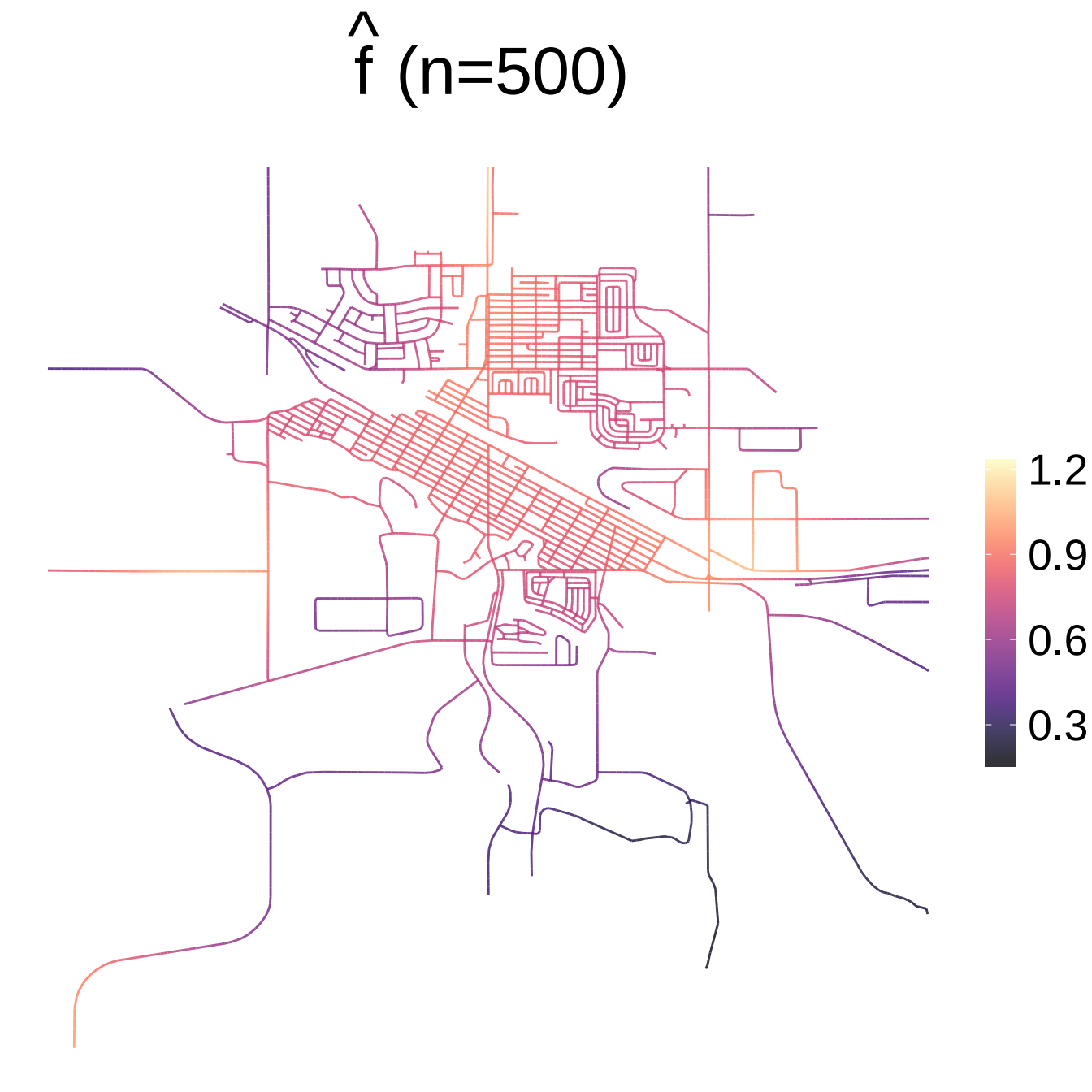

f
1.2
0.9
0.6
0.3

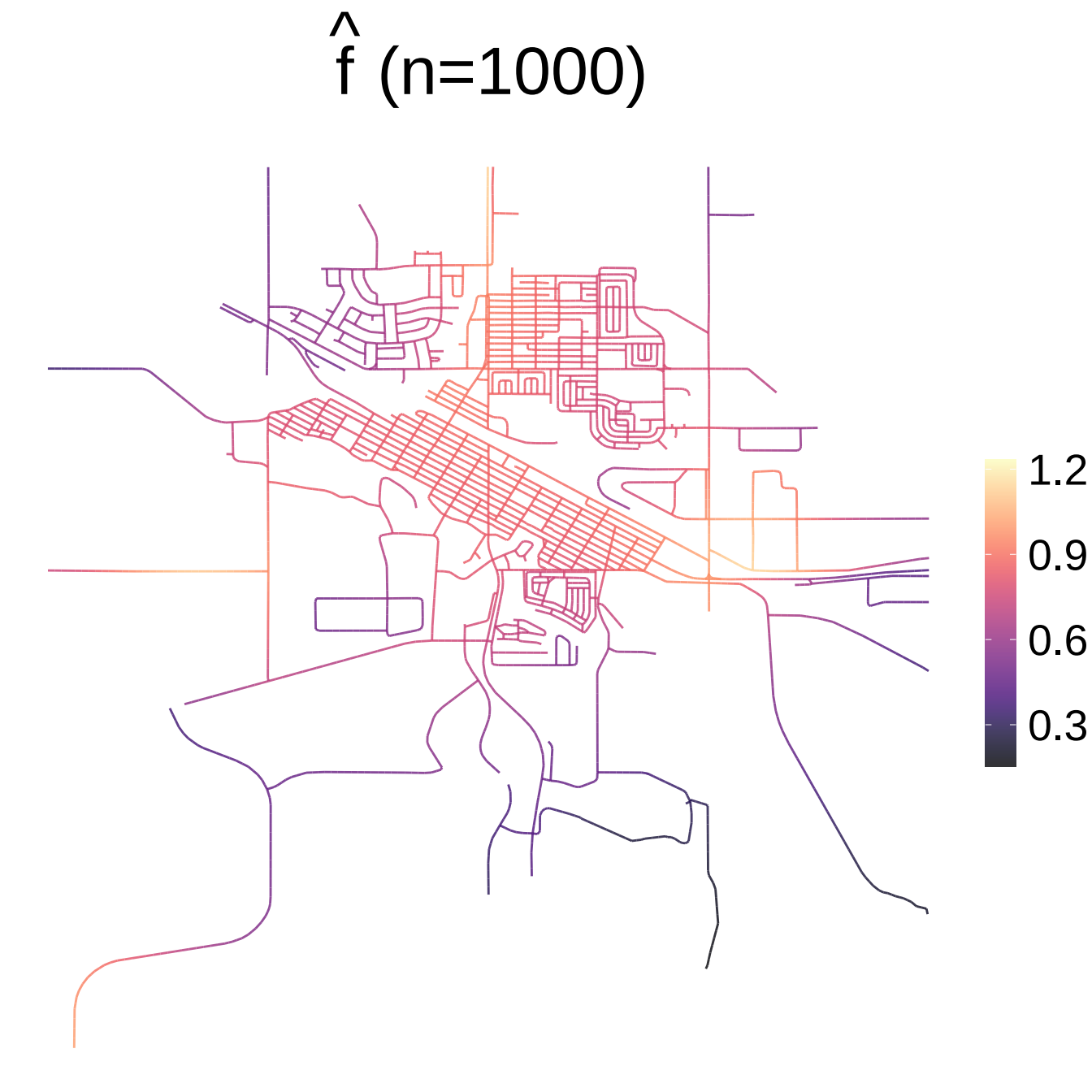
$f + W\beta$

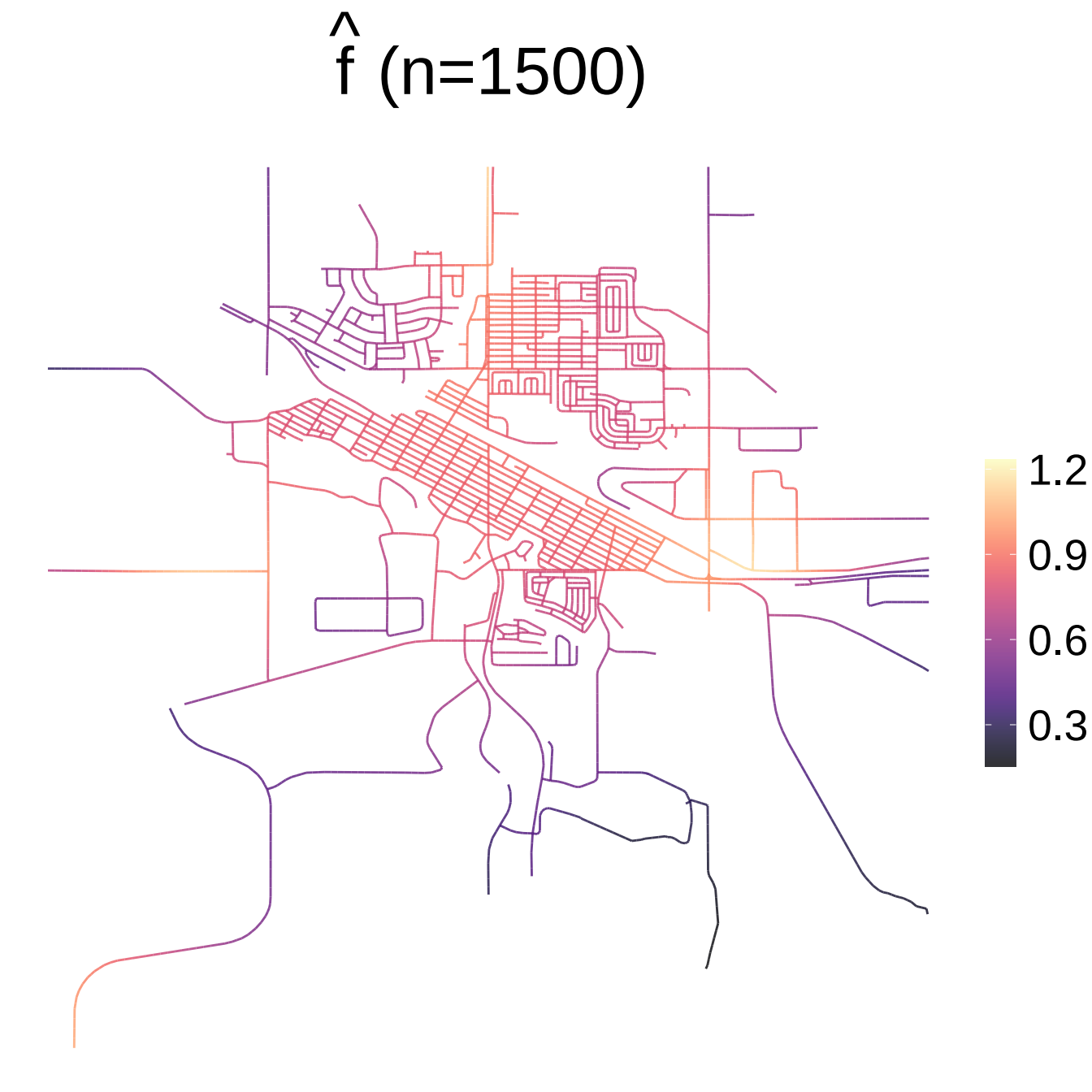



RMSE
0.06
0.05
0.04
0.03
250
500
1000
1500
observations
GWR
SR−PDE


f̂ (n=250)
1.2
0.9
0.6
0.3

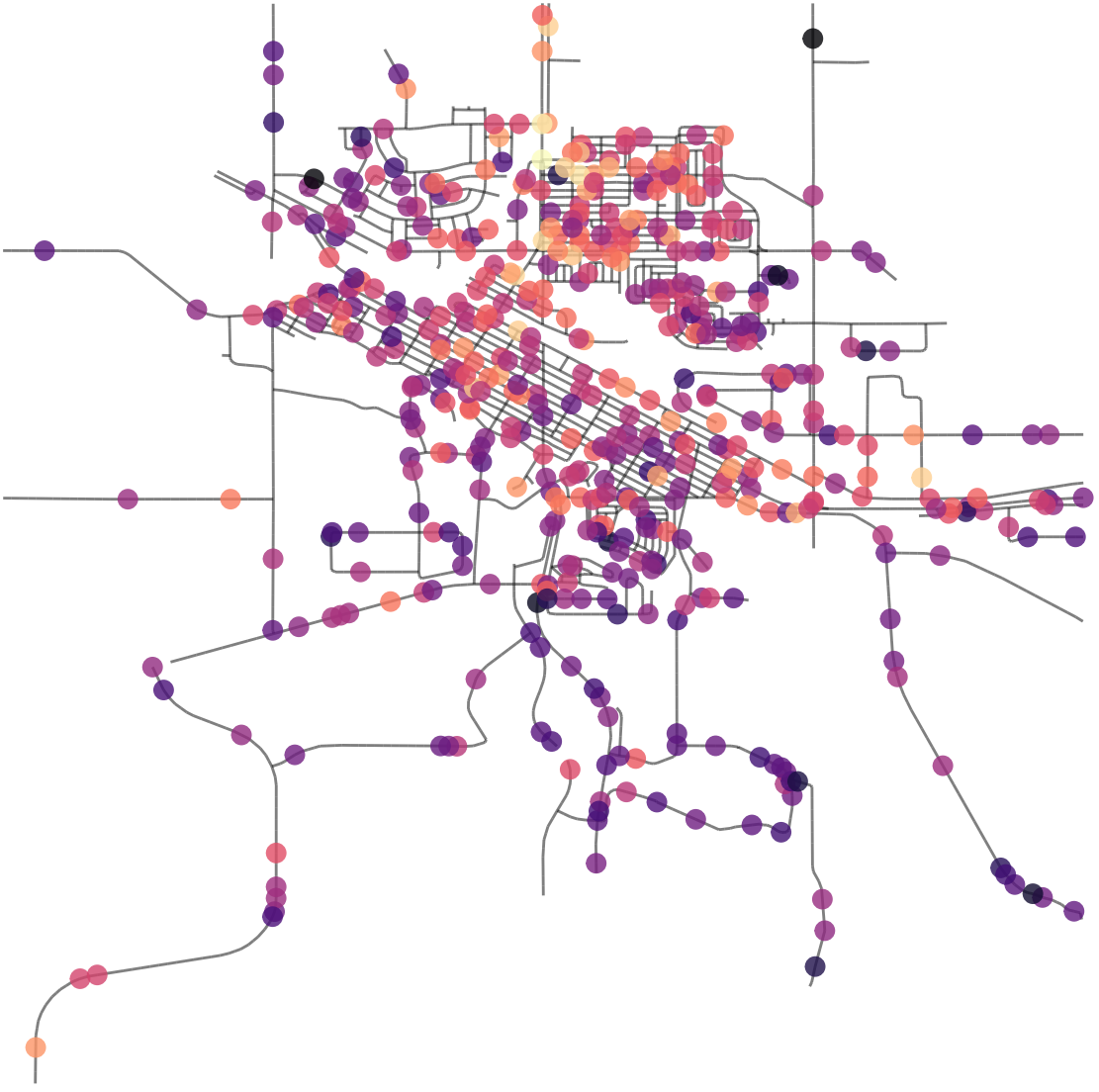

f̂ (n=500)
1.2
0.9
0.6
0.3


f̂ (n=1000)
1.2
0.9
0.6
0.3

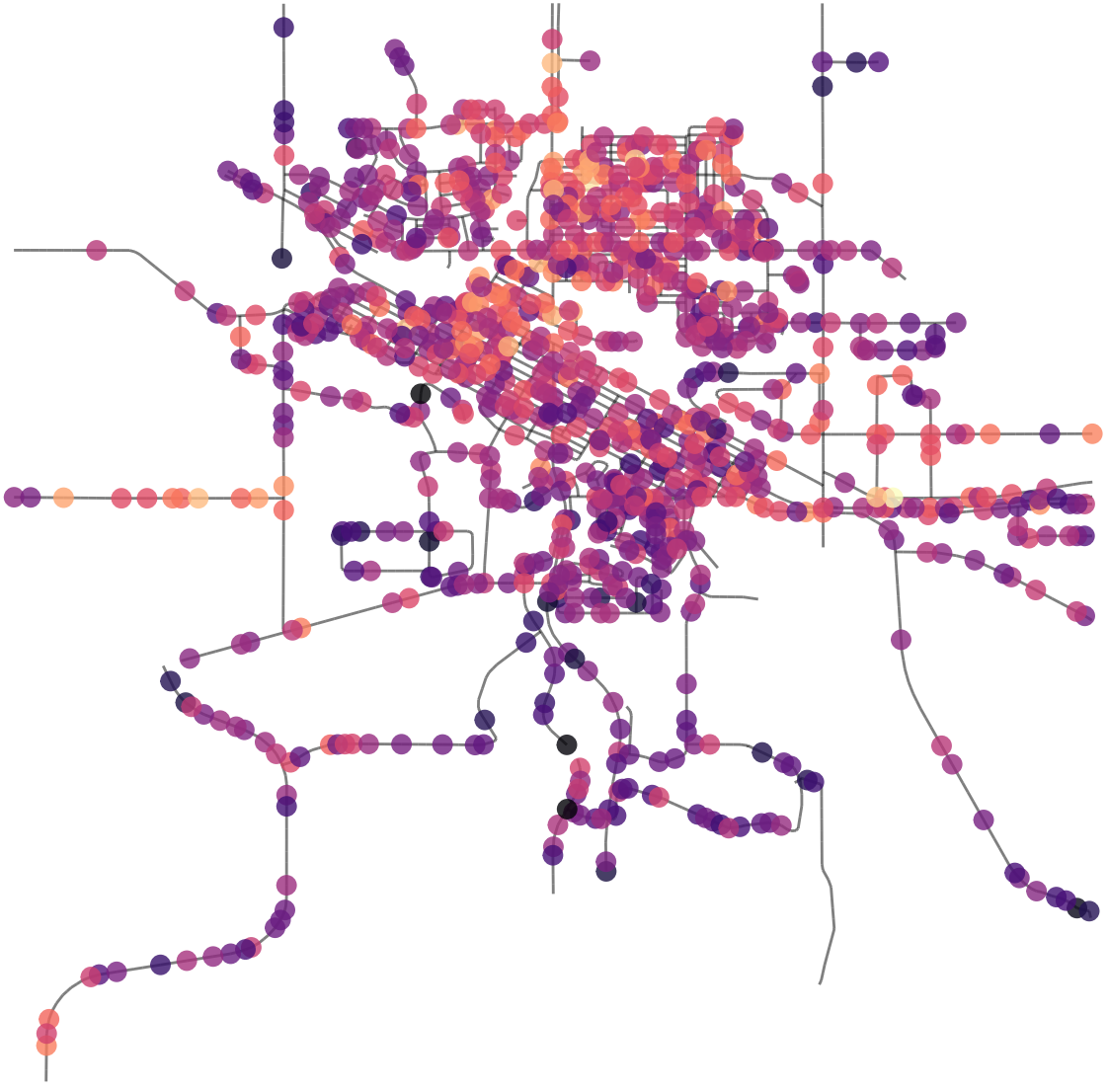

f̂ (n=1500)
1.2
0.9
0.6
0.3

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

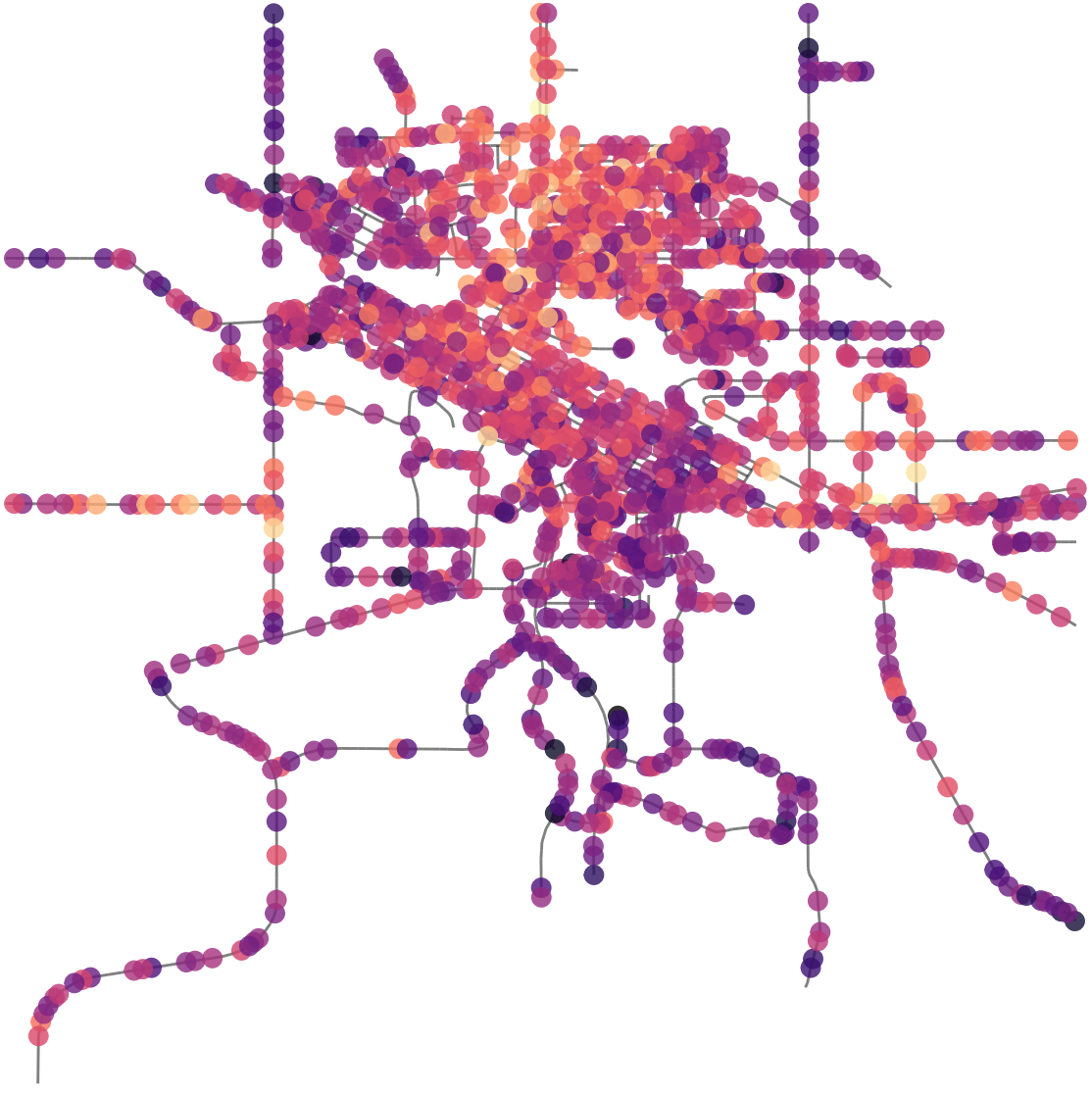
$$z_i = \mathbf{w}_i^T \beta + f(\mathbf{p}_i) + \varepsilon_i$$

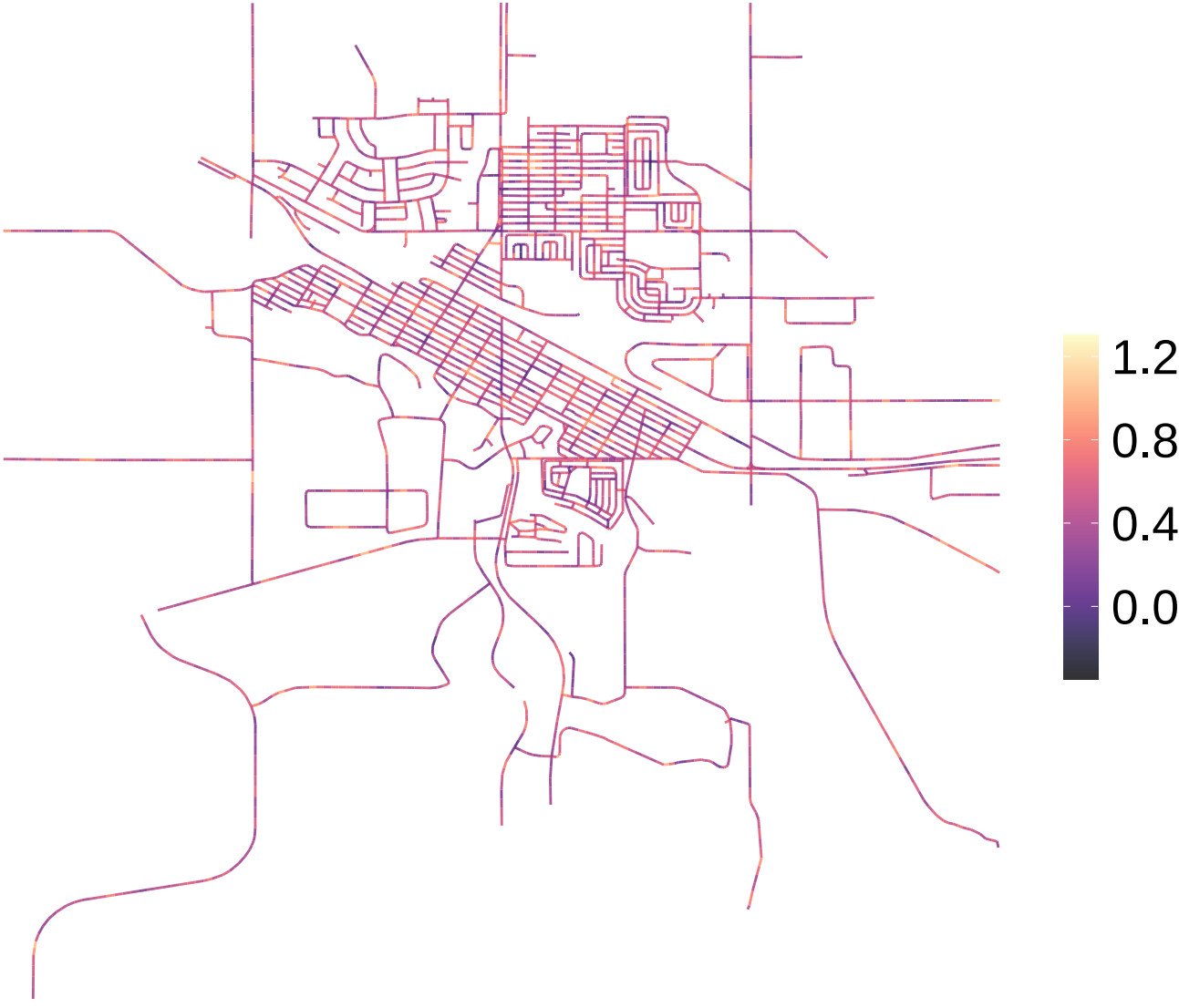


$$z_i = \mathbf{w}_i^T \beta + f(\mathbf{p}_i) + \varepsilon_i$$

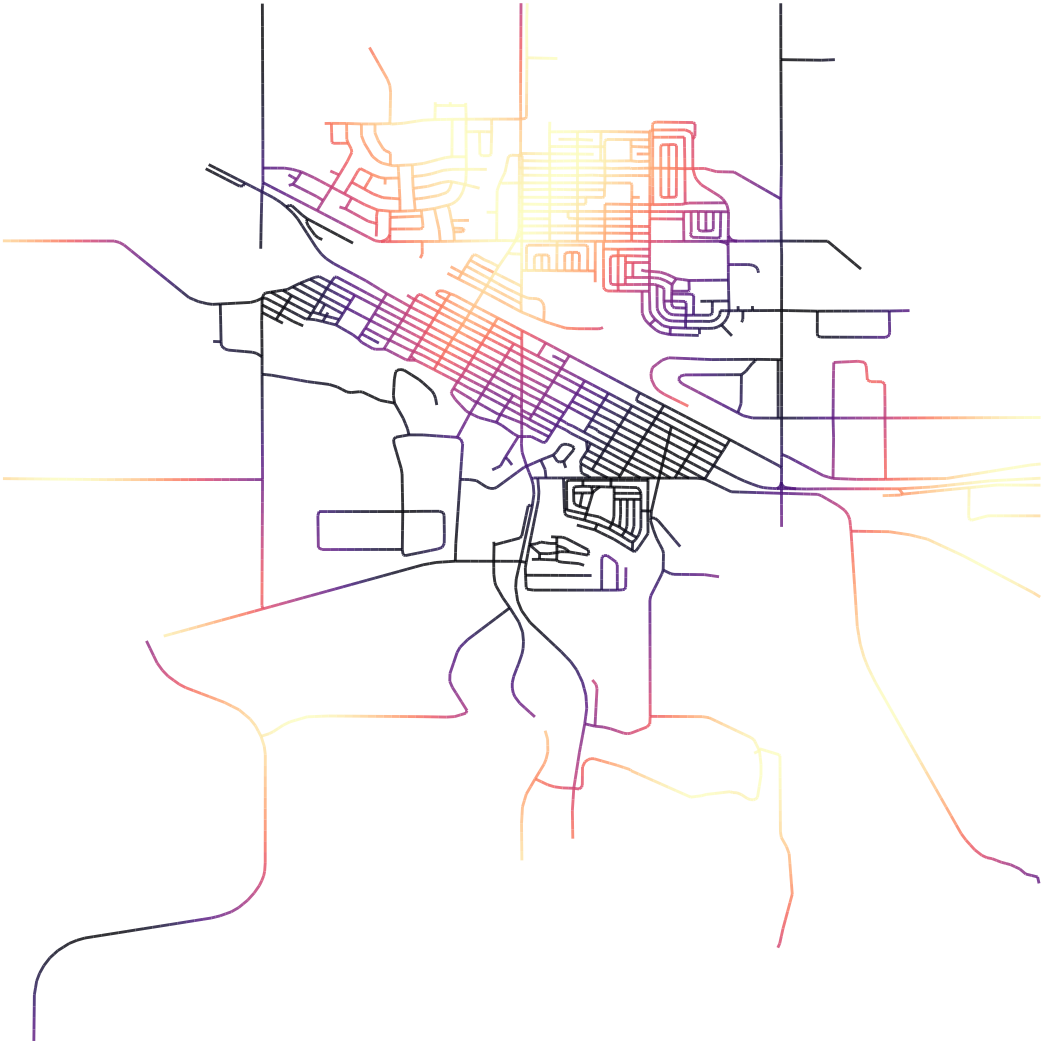


$$z_i = \mathbf{w}_i^T \beta + f(\mathbf{p}_i) + \varepsilon_i$$



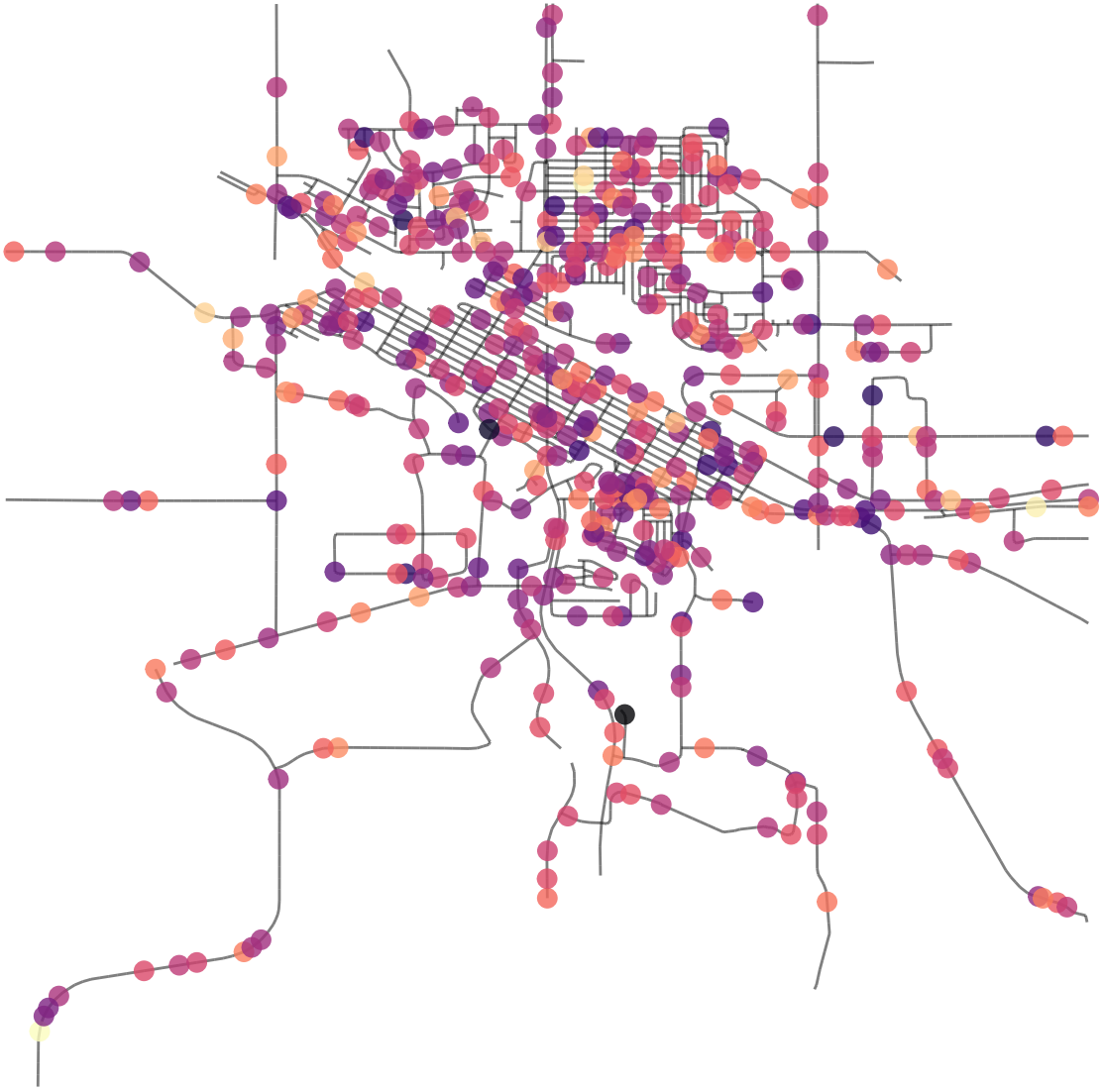

N(0.5, 0.25^2)
1.2
0.8
0.4
0.0

sinusoidal function

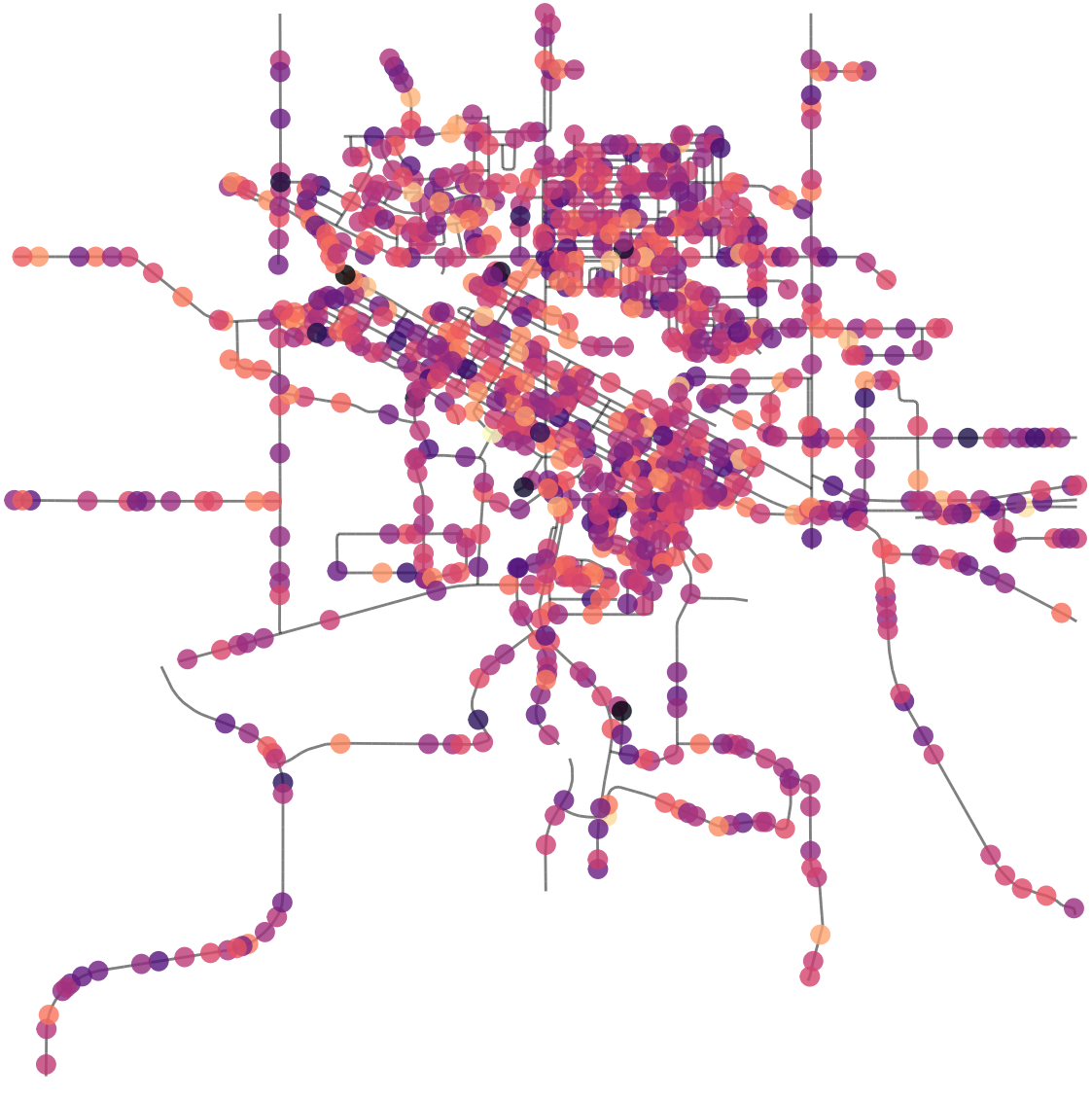


First Covariate(n=250)

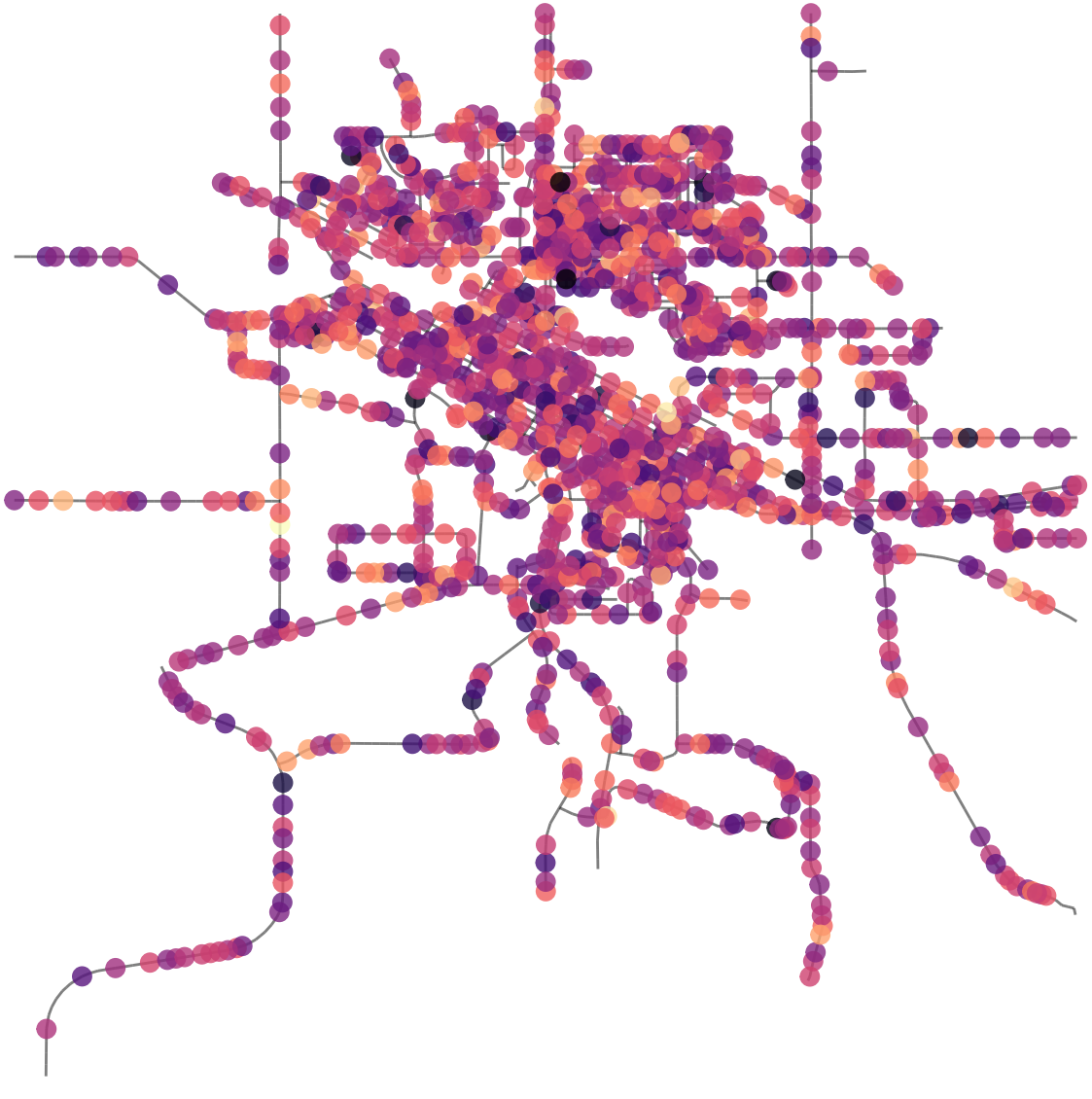
First Covariate(n=500)



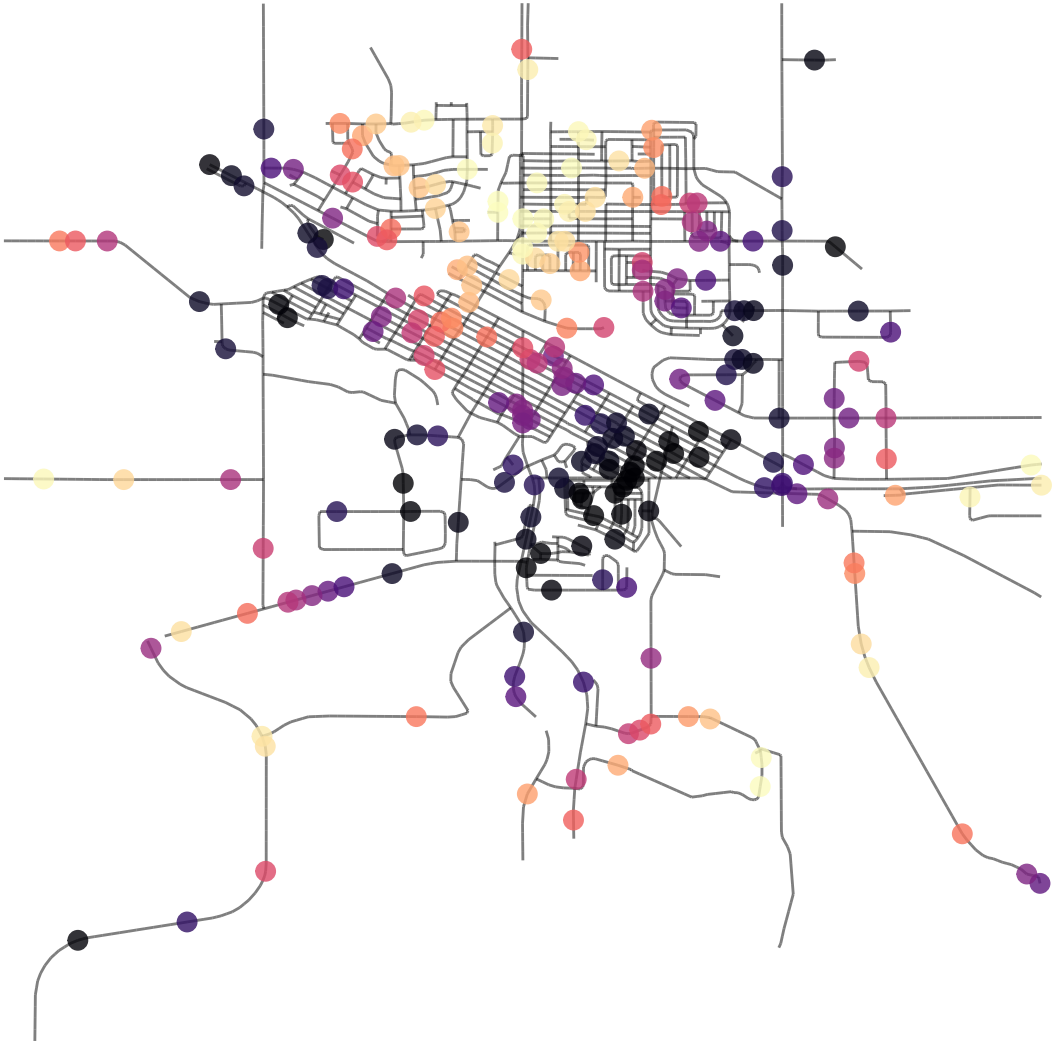
First Covariate(n=1000)



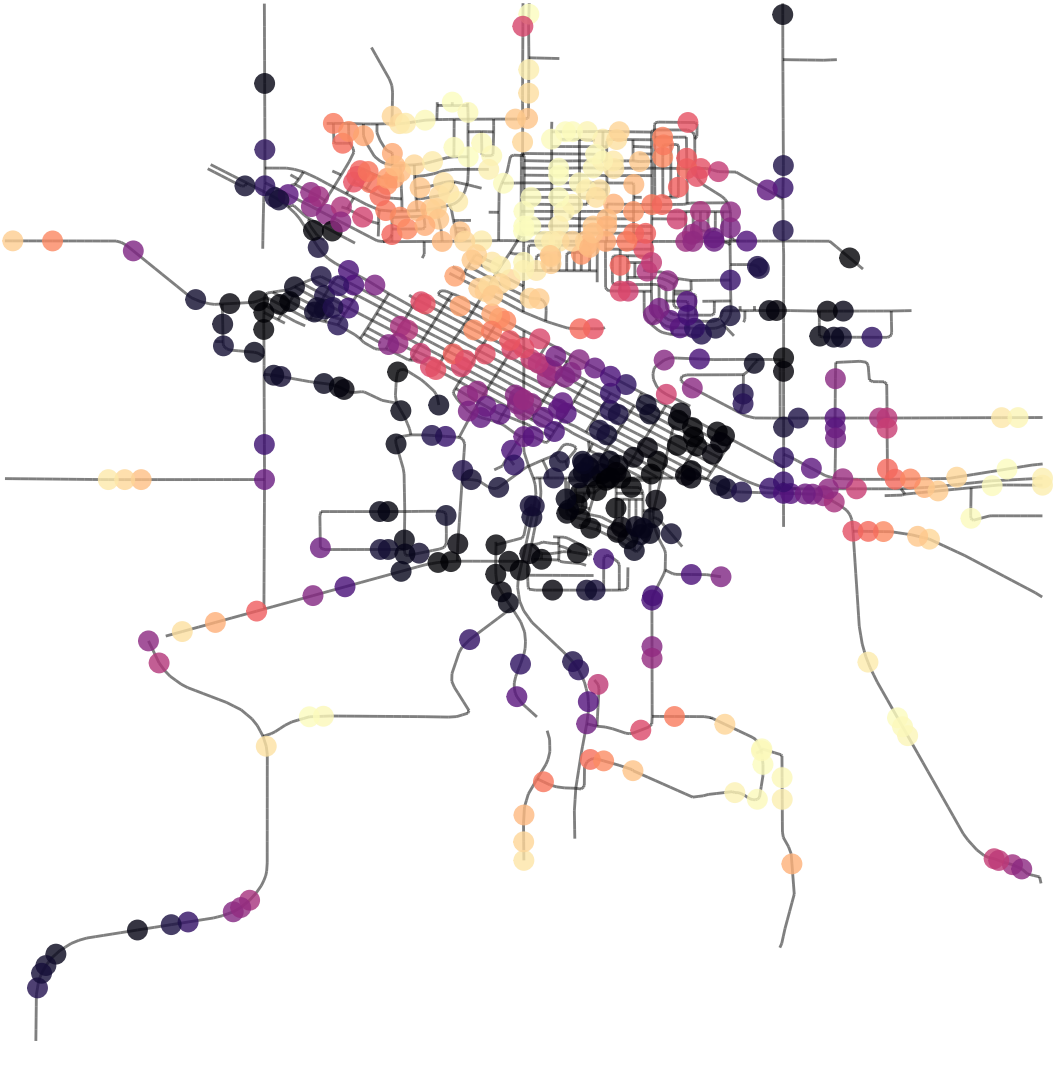
First Covariate(n=1500)



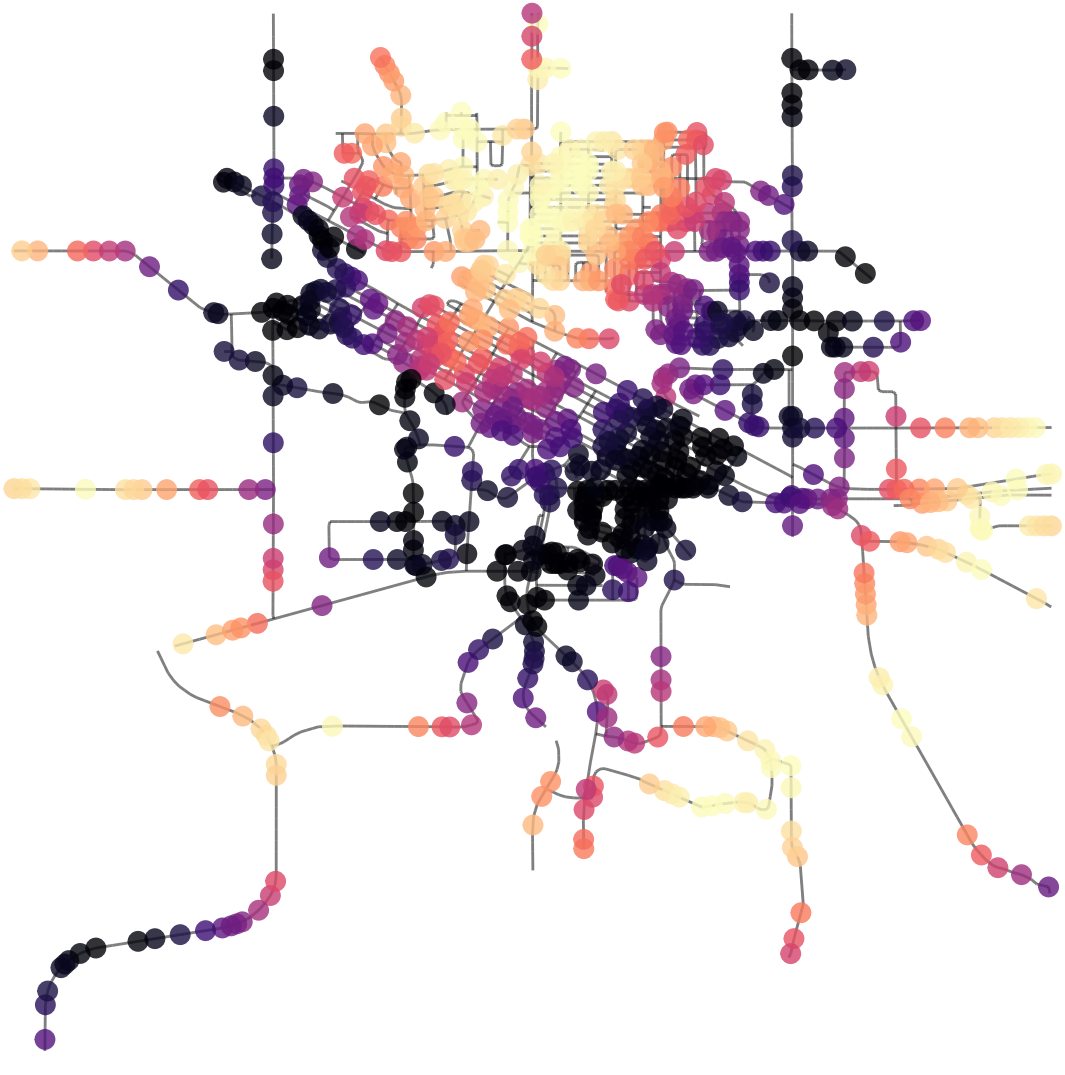
Second Covariate(n=250)



Second Covariate(n=500)



Second Covariate(n=1000)



Second Covariate(n=1500)