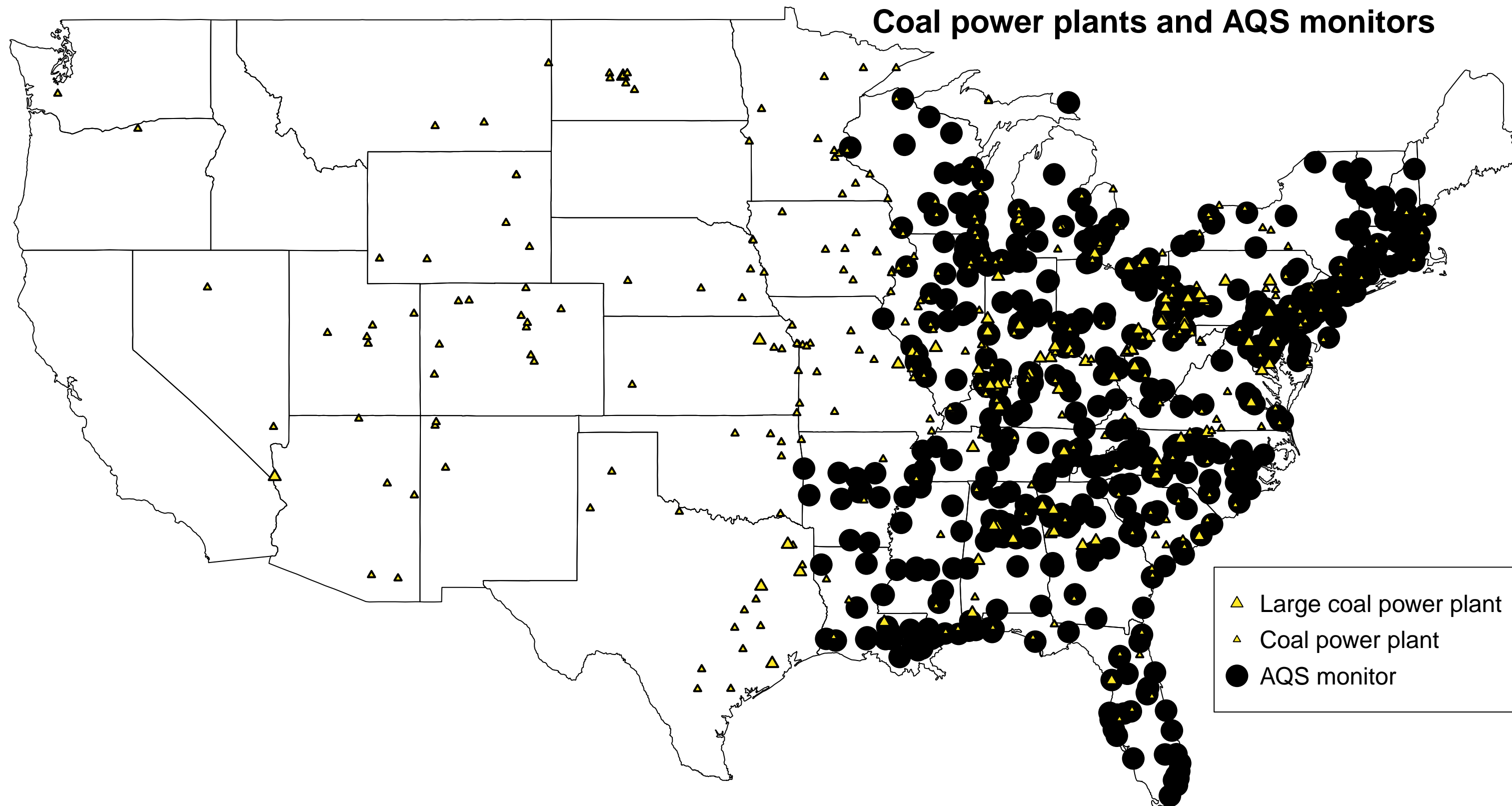
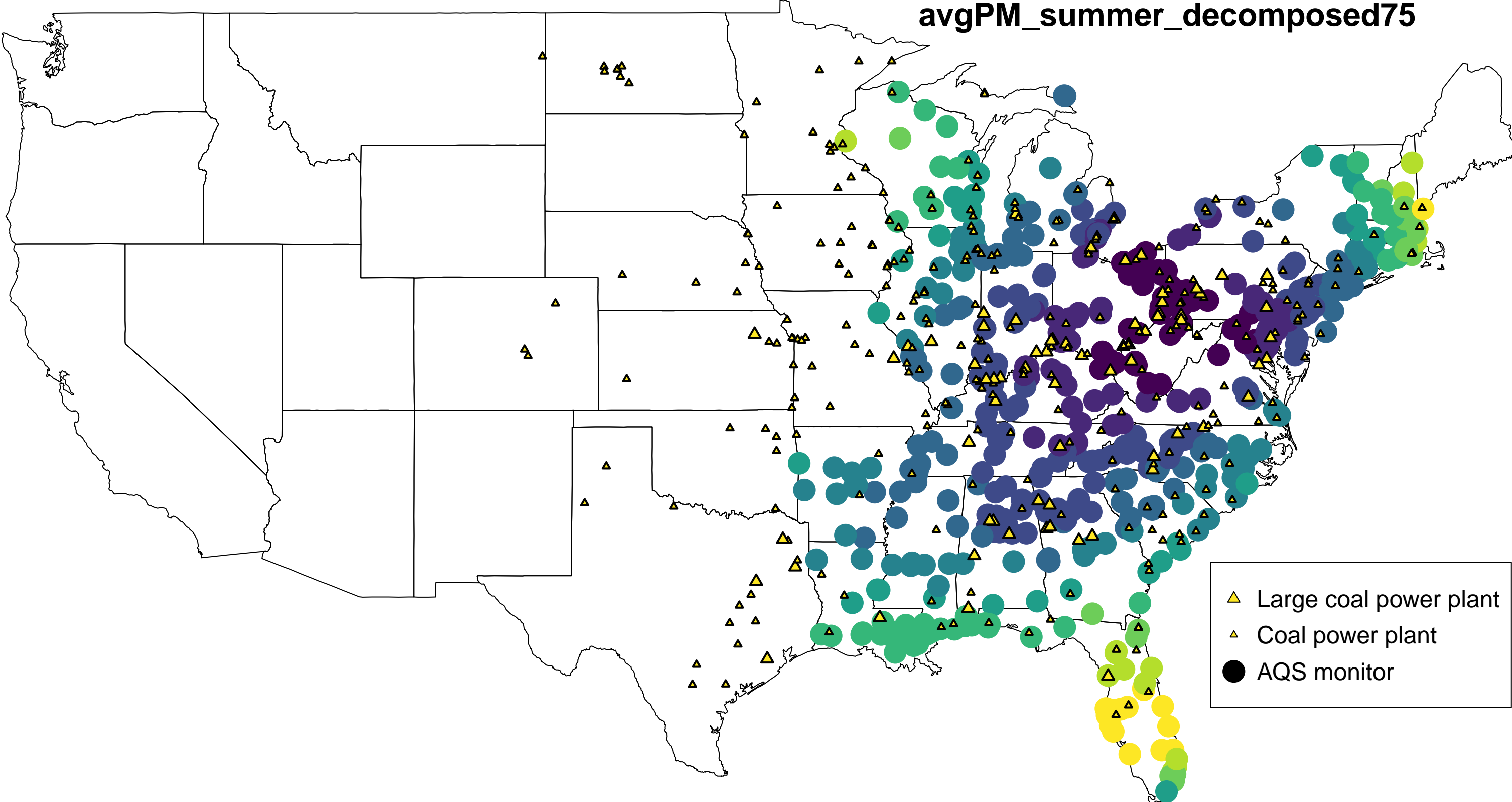


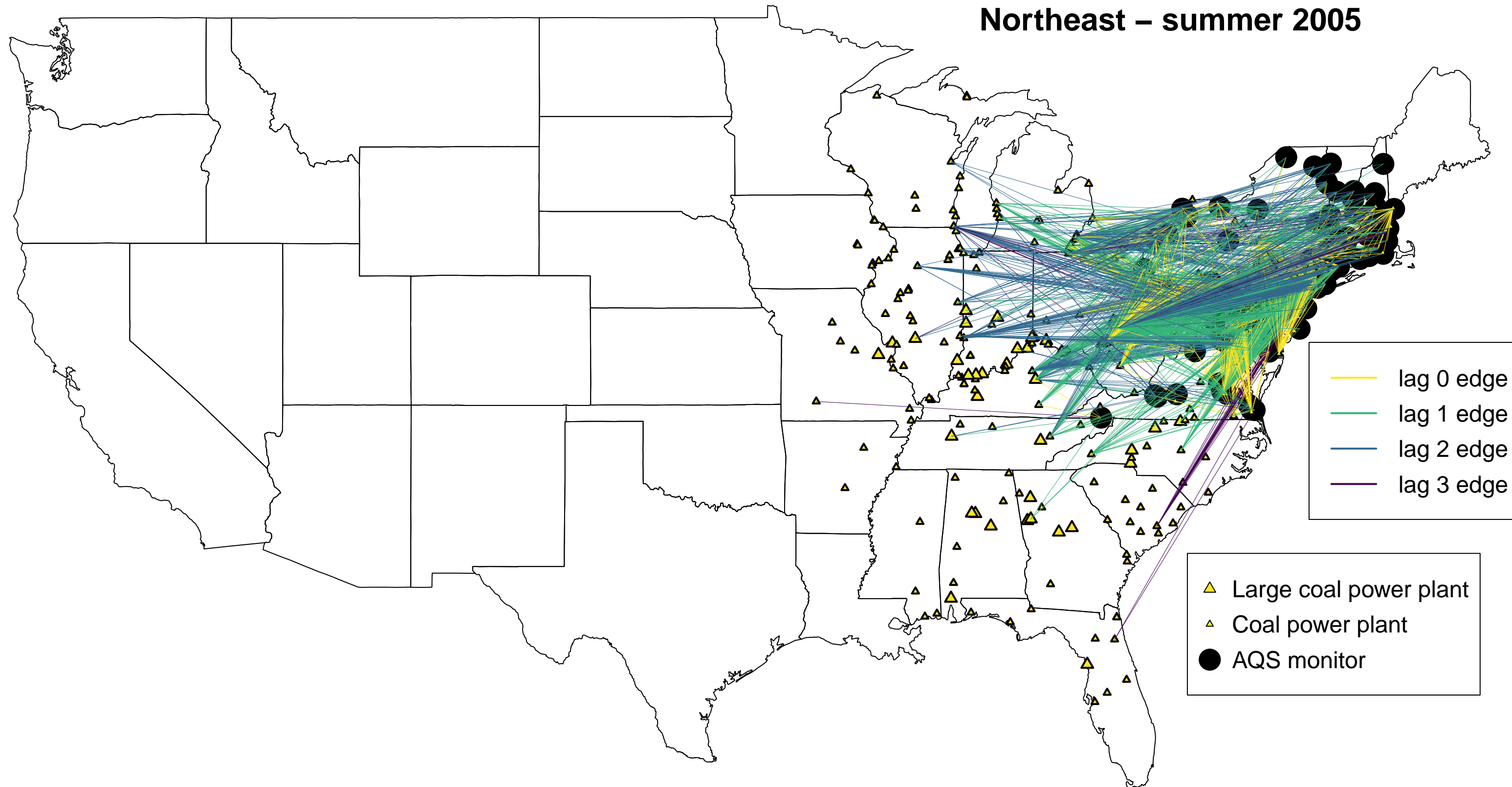
# Coal power plants and AQS monitors



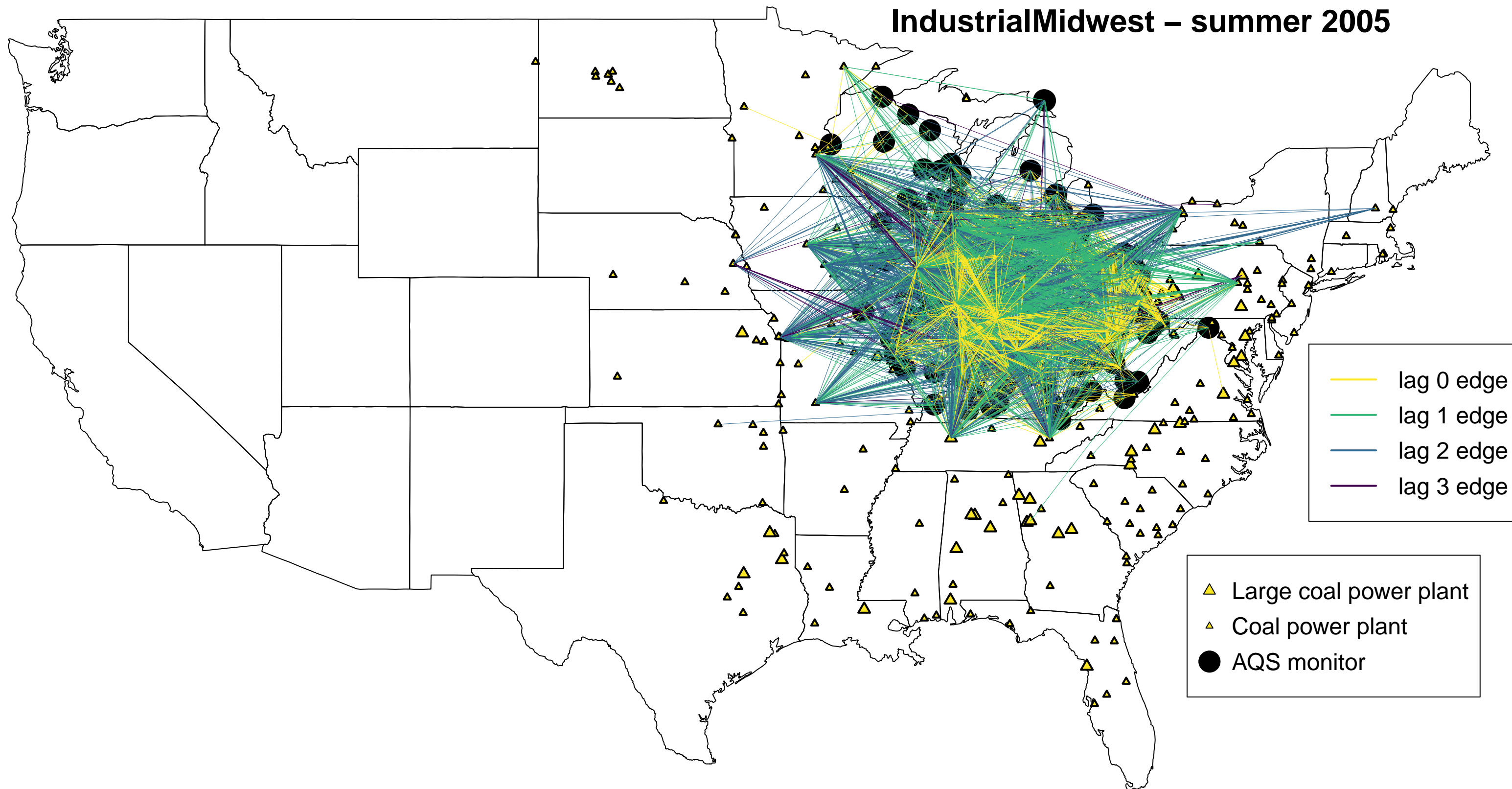
avgPM\_summer\_decomposed75



## Northeast – summer 2005

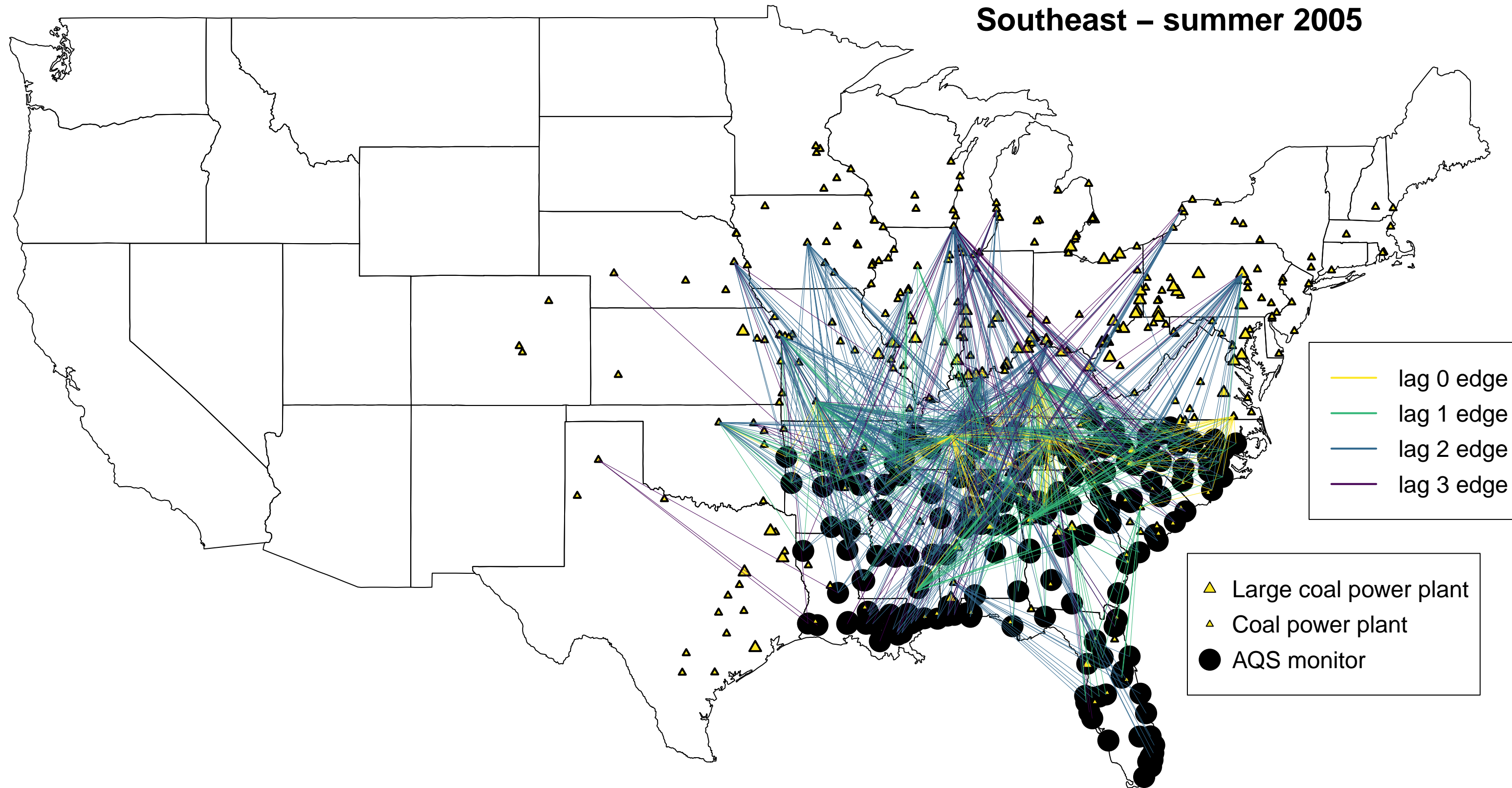


# IndustrialMidwest – summer 2005

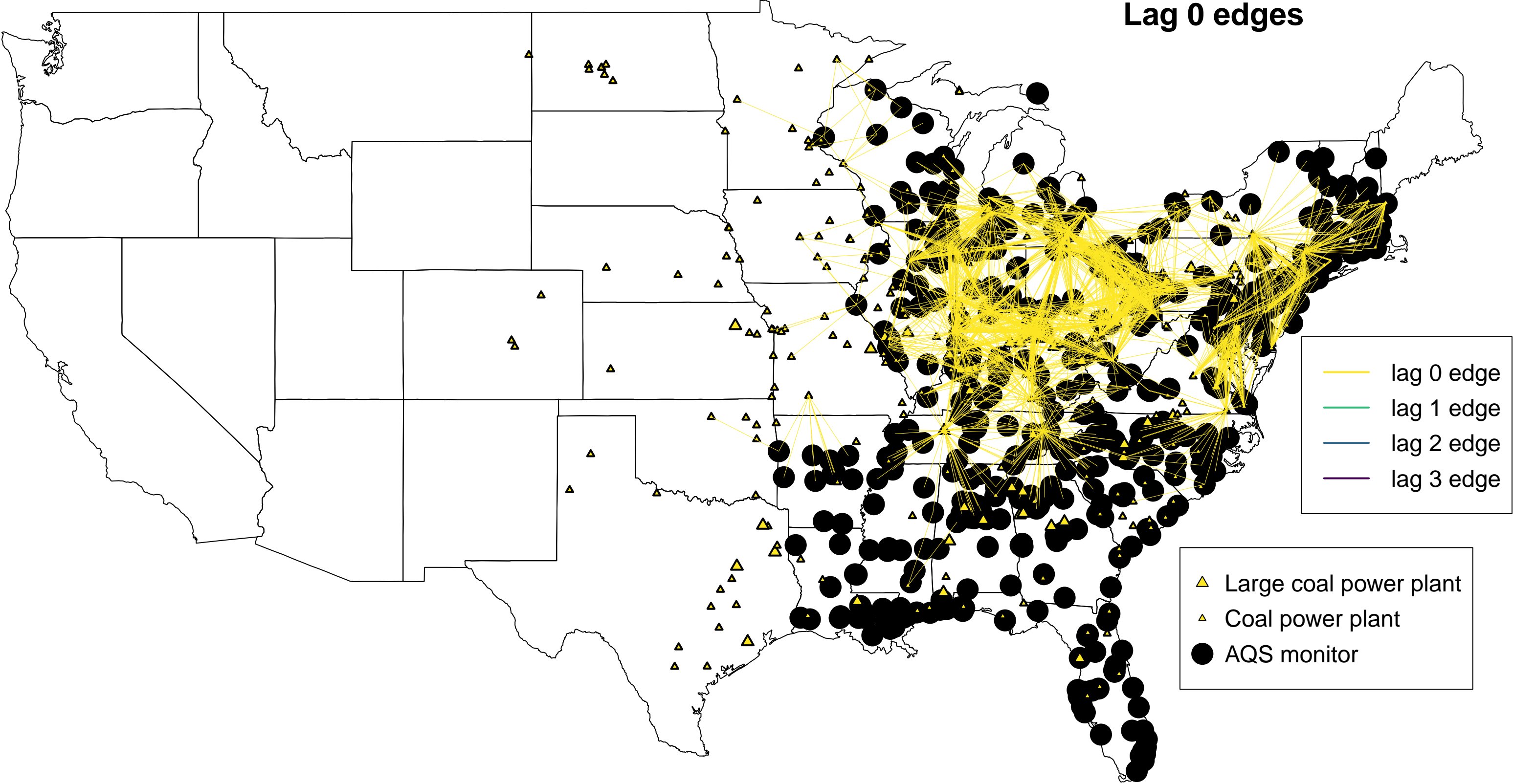




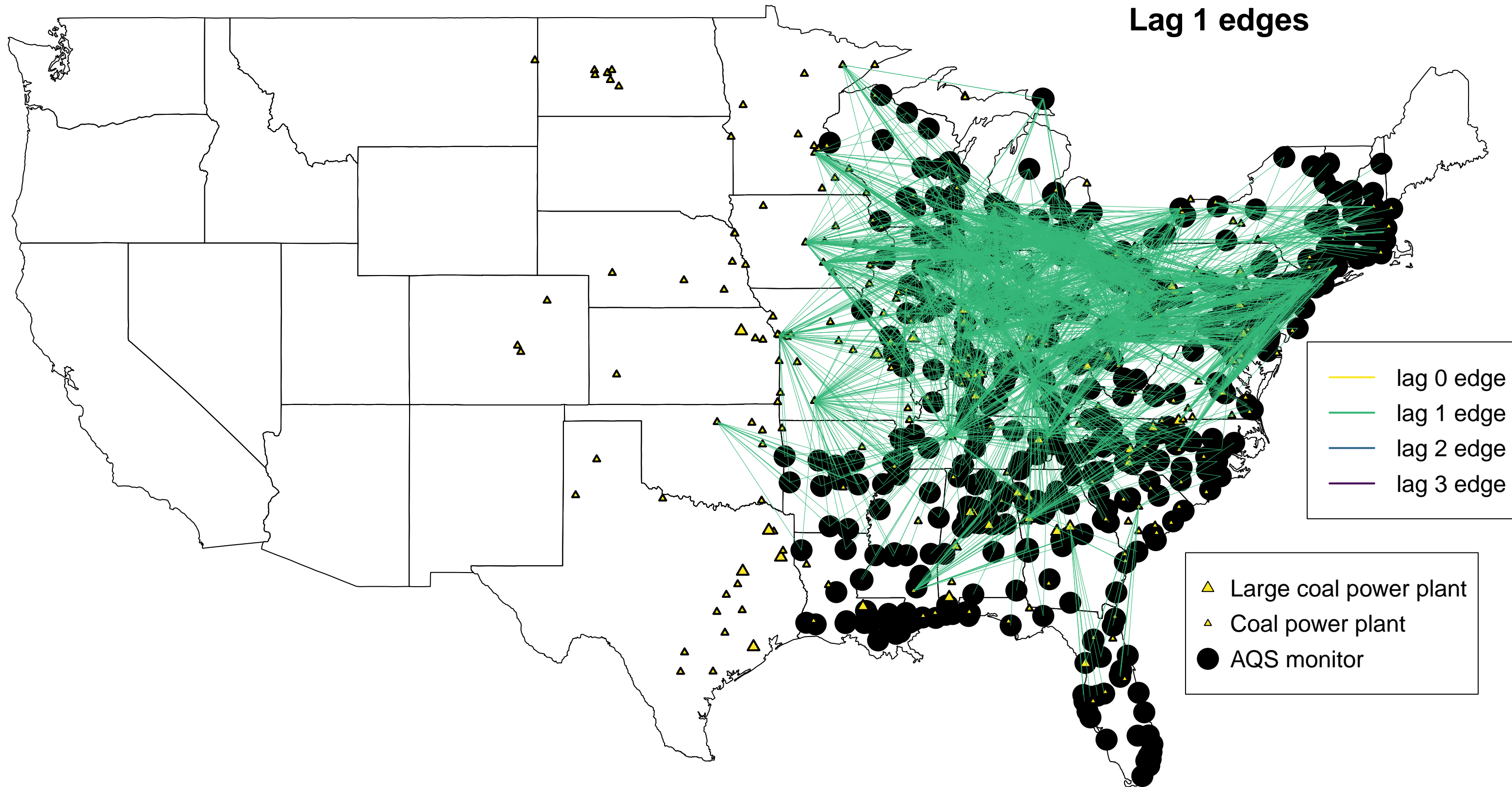
## Southeast – summer 2005



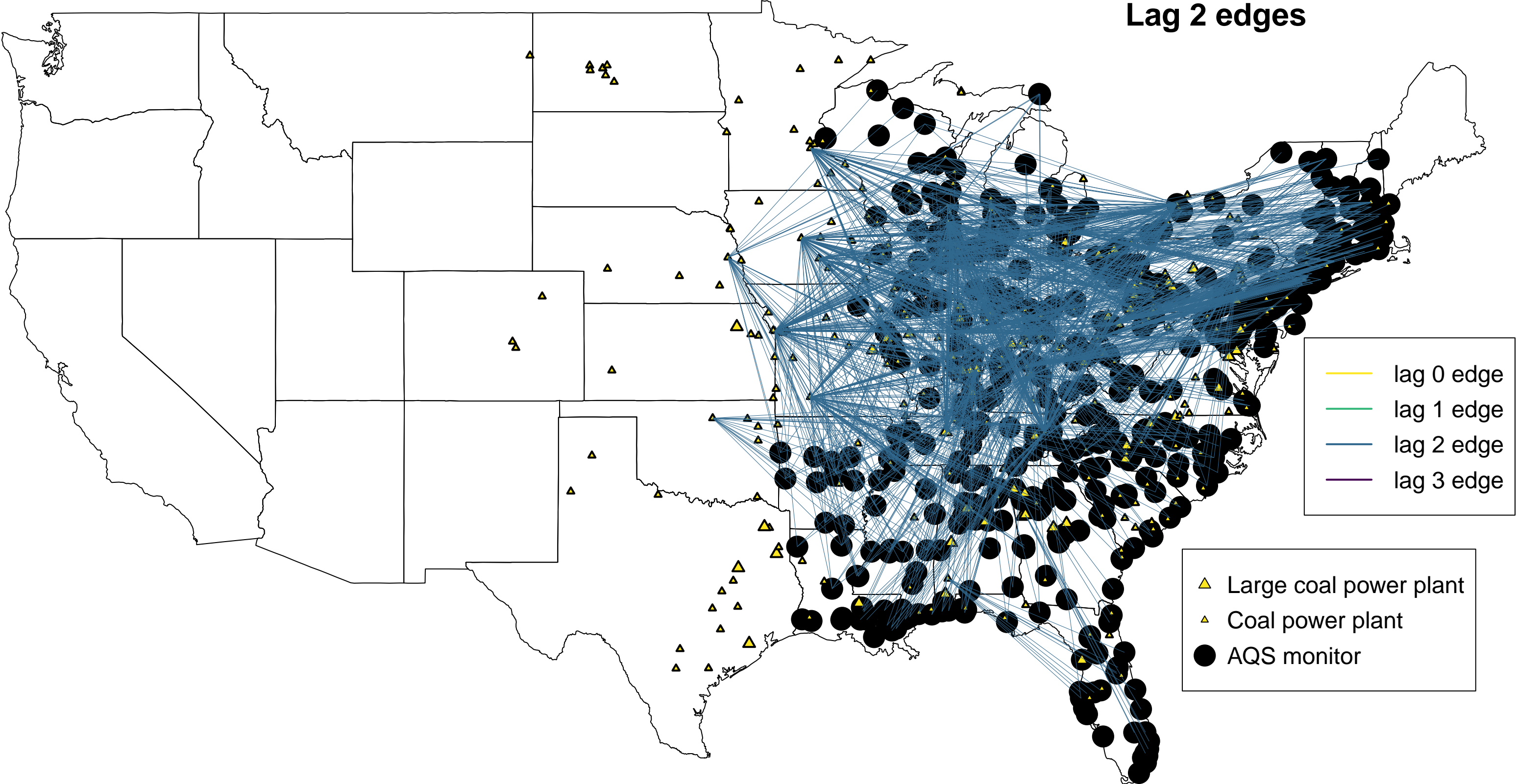
Lag 0 edges





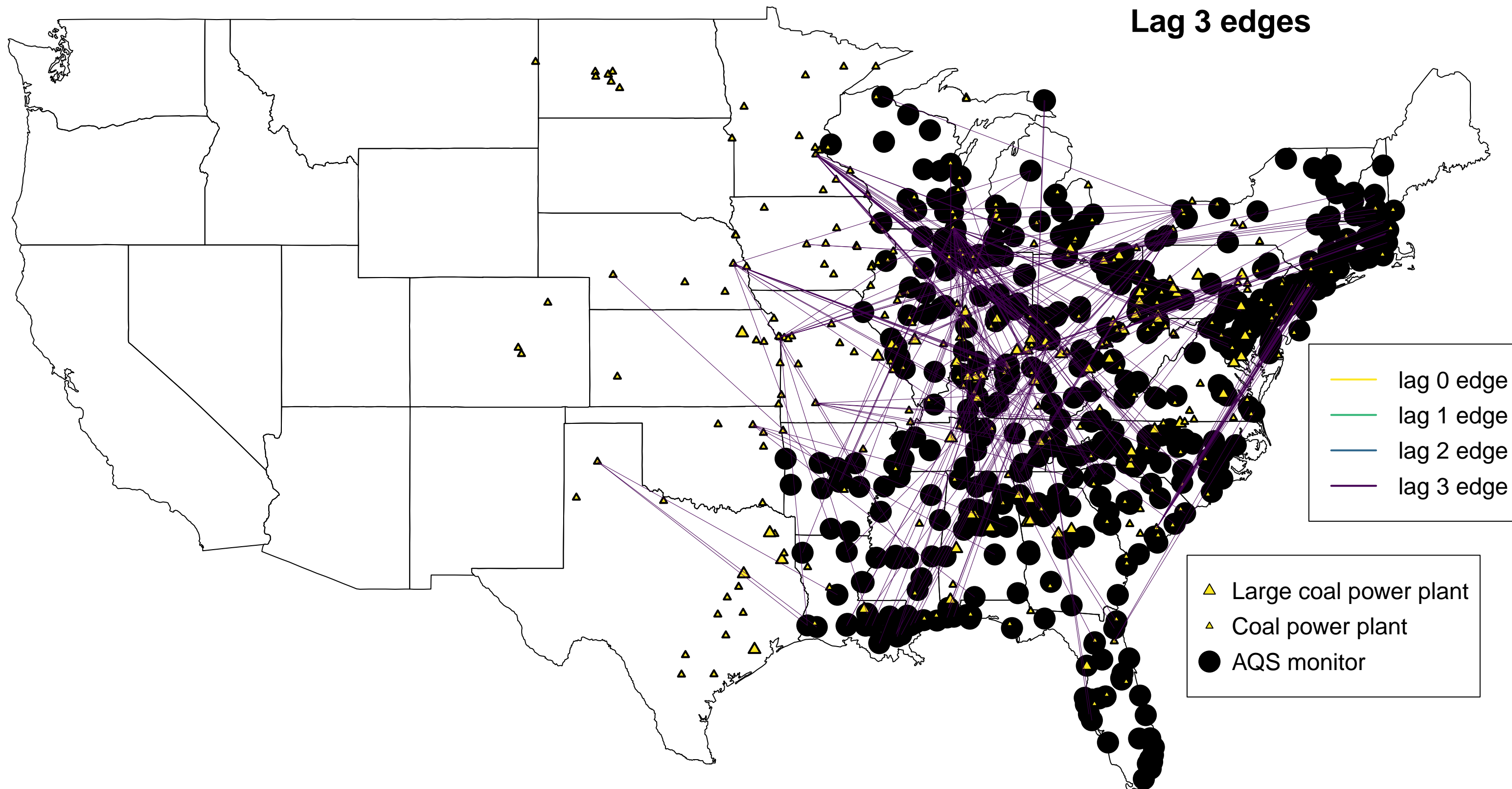


Lag 2 edges

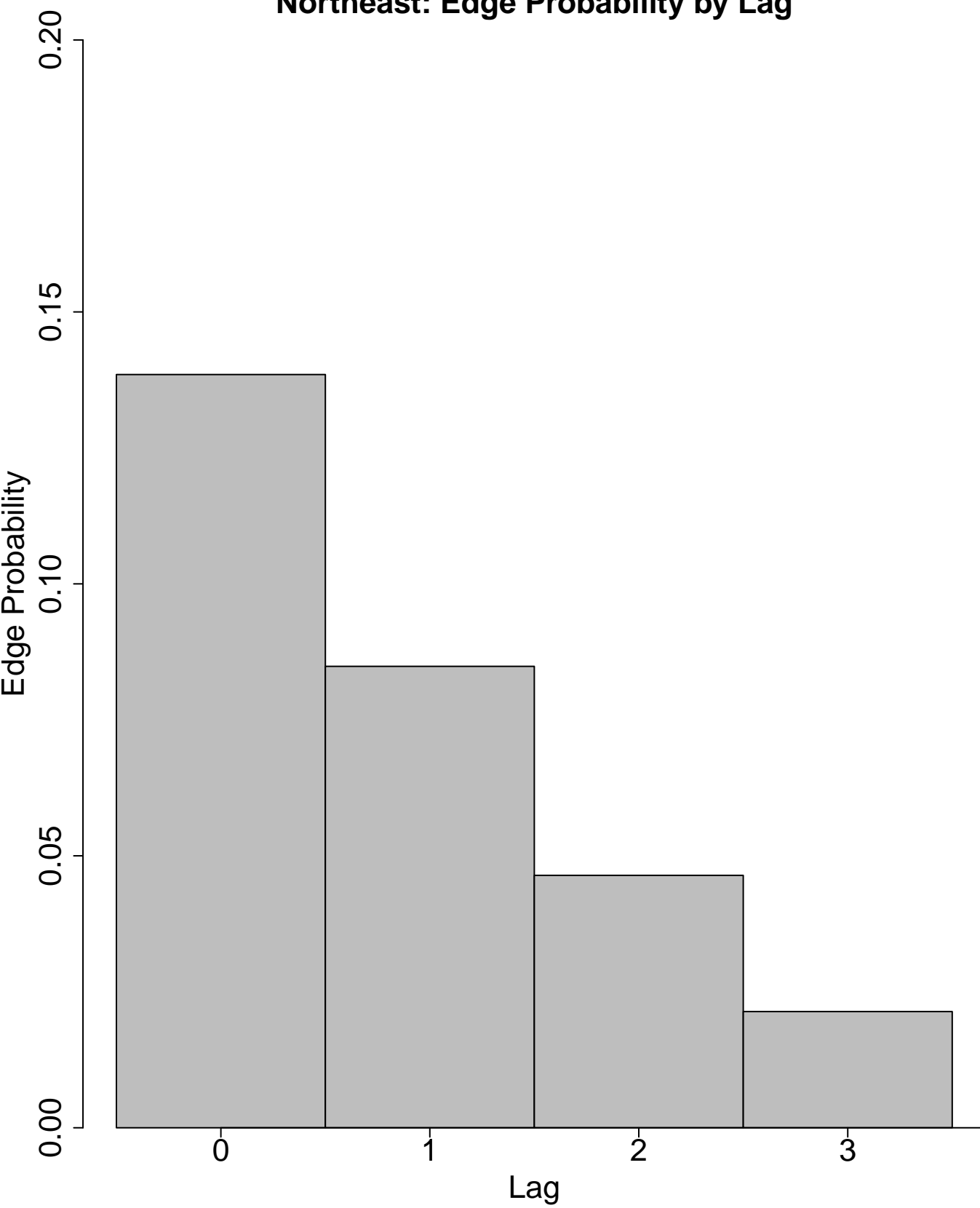




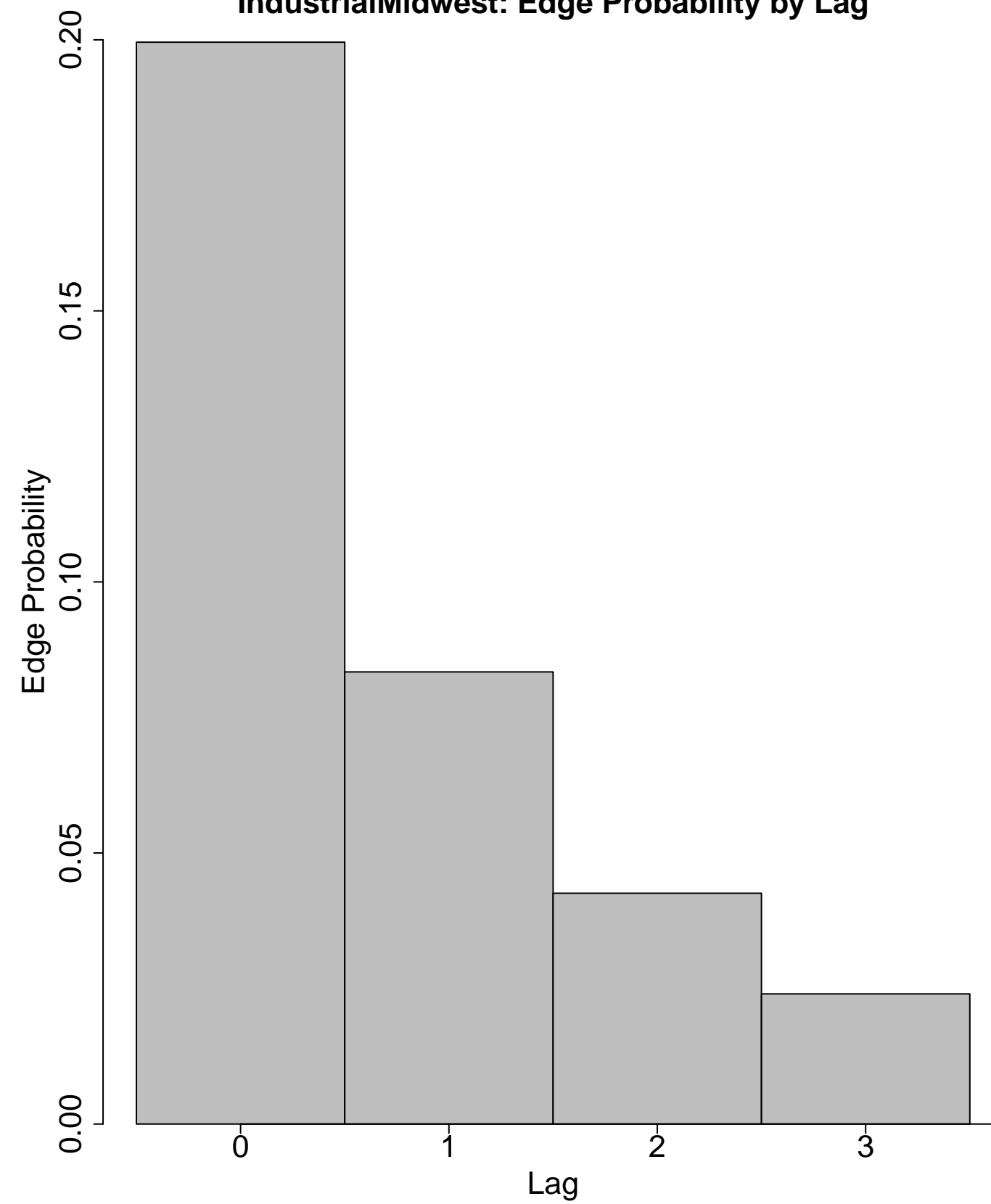
## Lag 3 edges



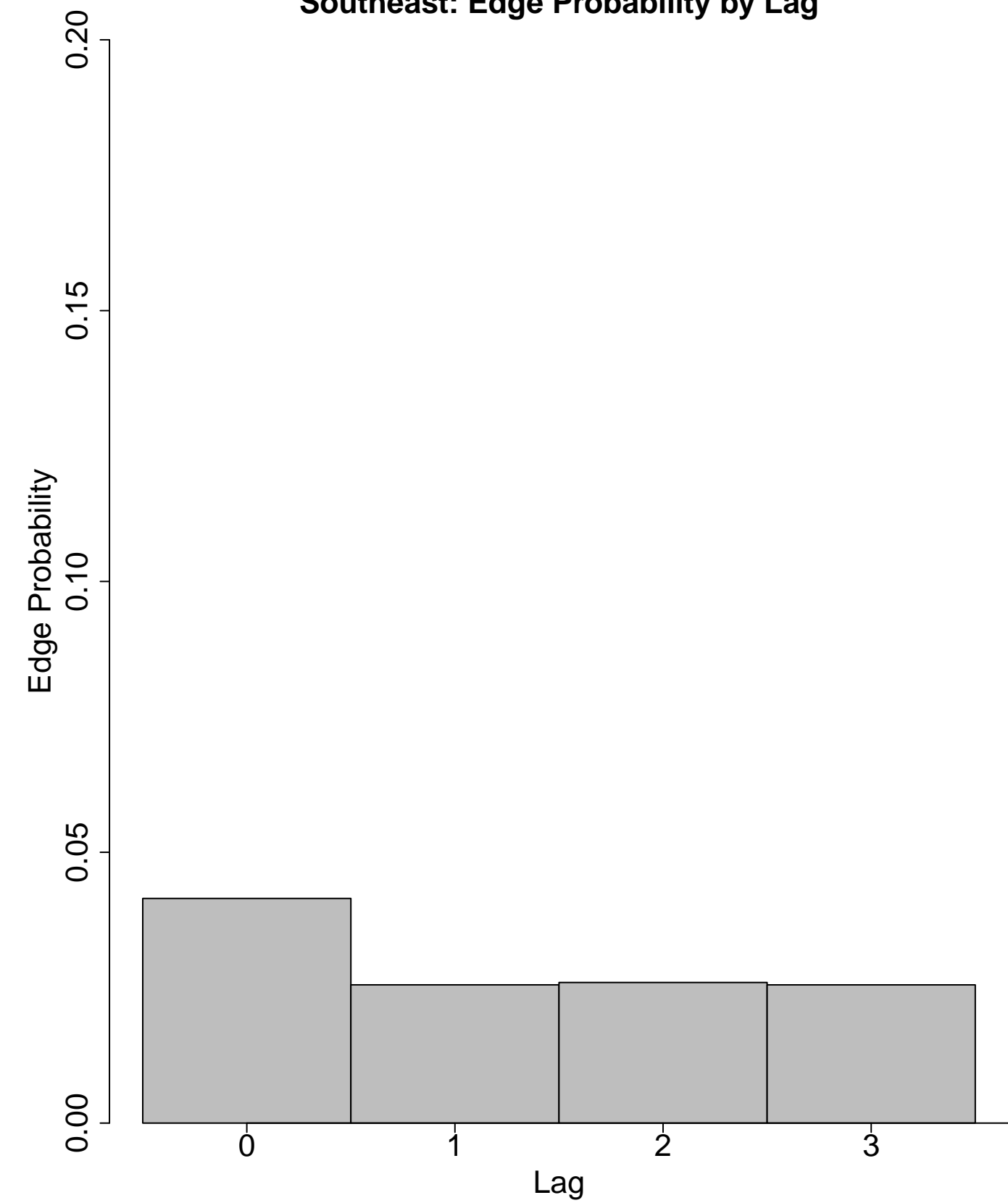
Northeast: Edge Probability by Lag



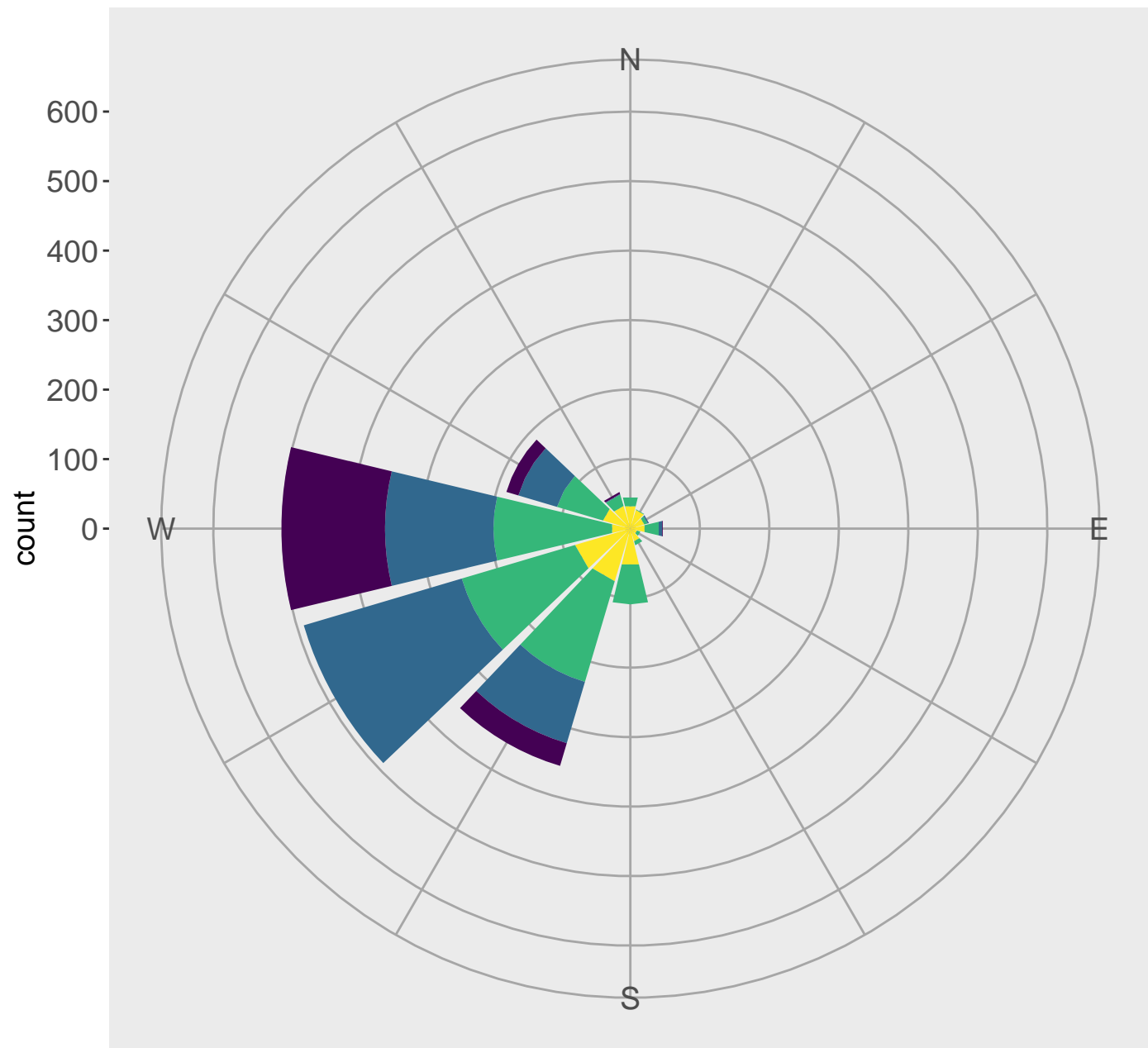
IndustrialMidwest: Edge Probability by Lag



Southeast: Edge Probability by Lag

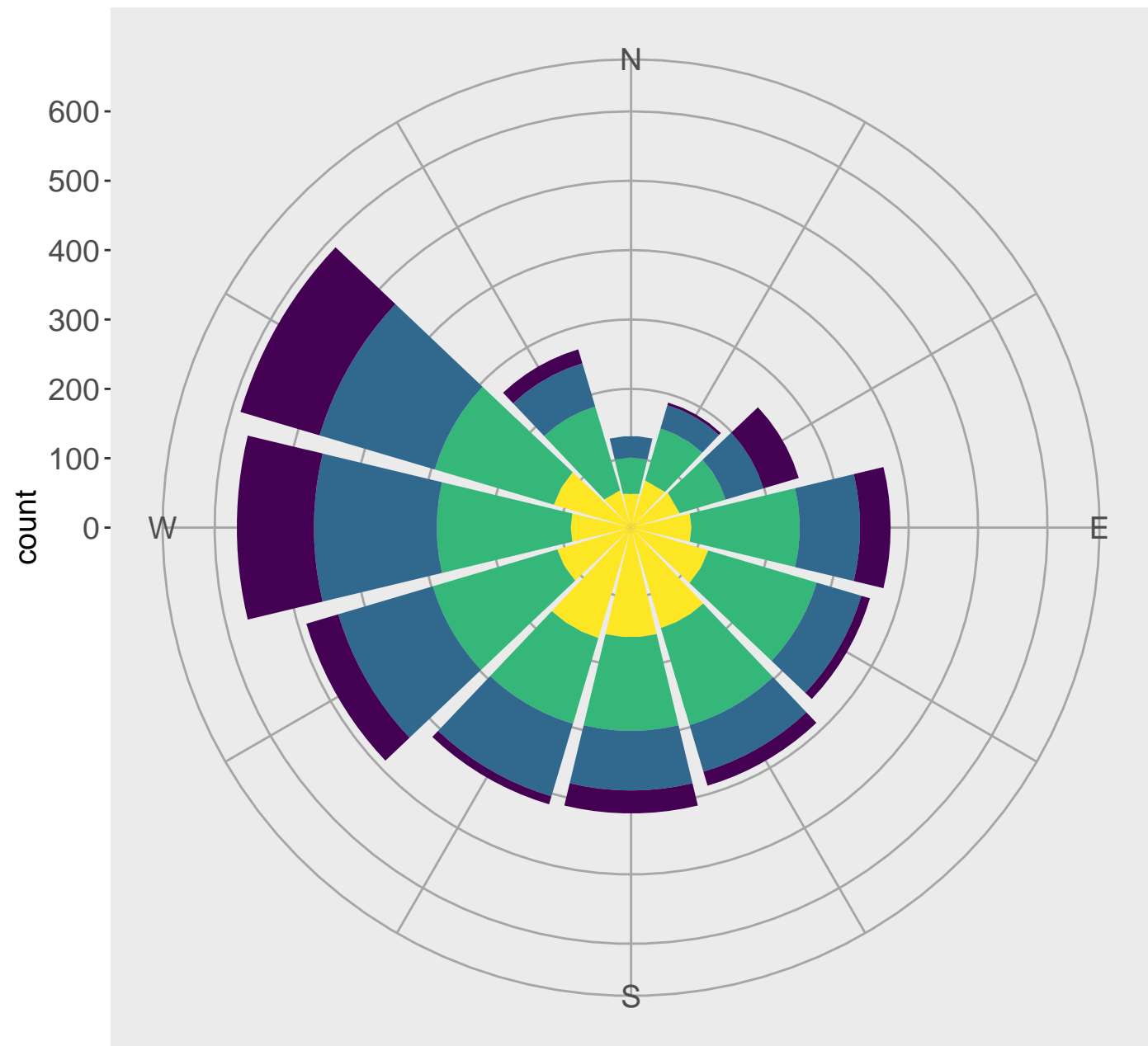


Edge counts by distance/direction to source  
Northeast receptors



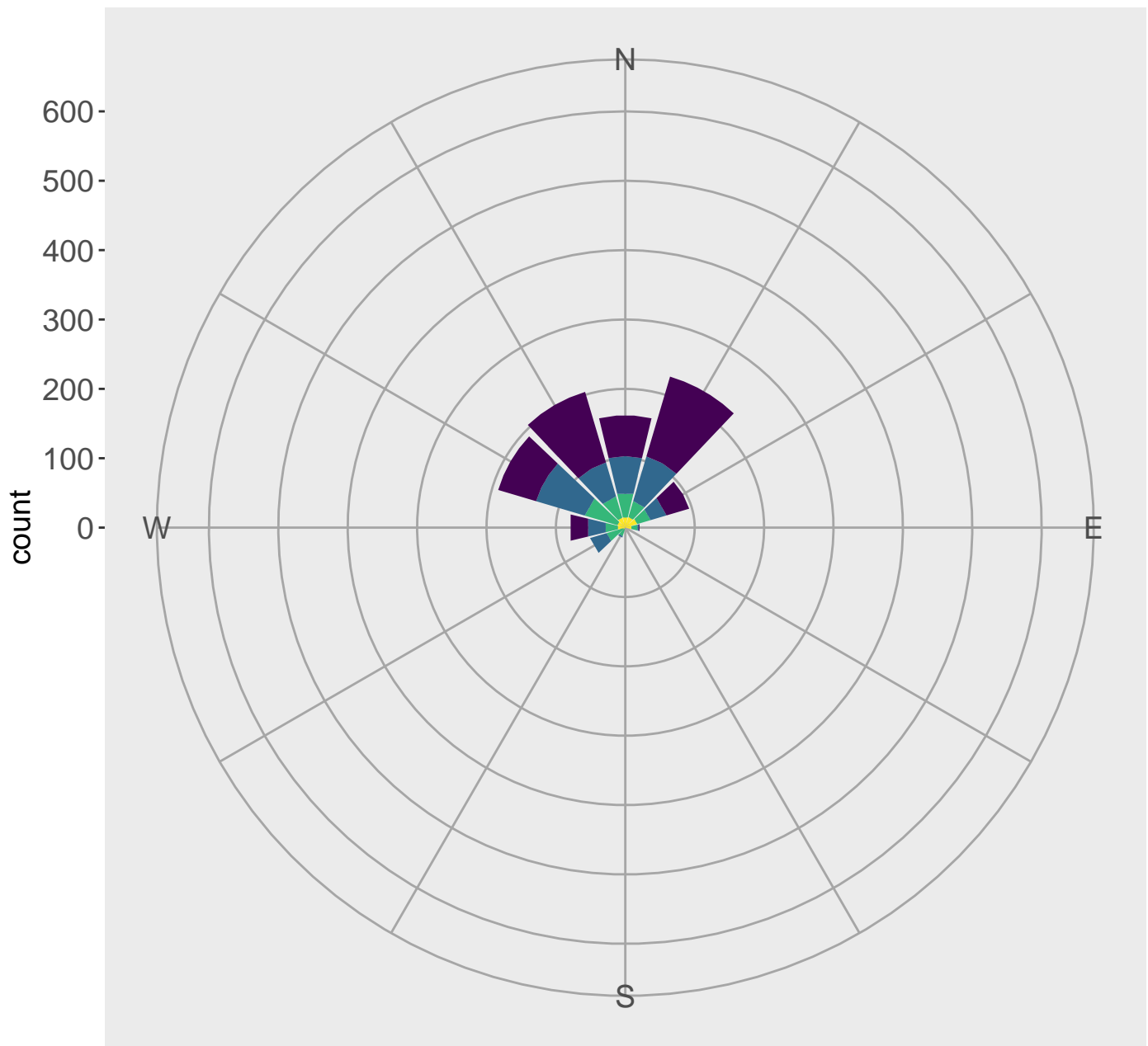
Distance to Source (km) 750-1000 500-750 250-500 0-250

Edge counts by distance/direction to source  
IndustrialMidwest receptors



Distance to Source (km) 750-1000 500-750 250-500 0-250

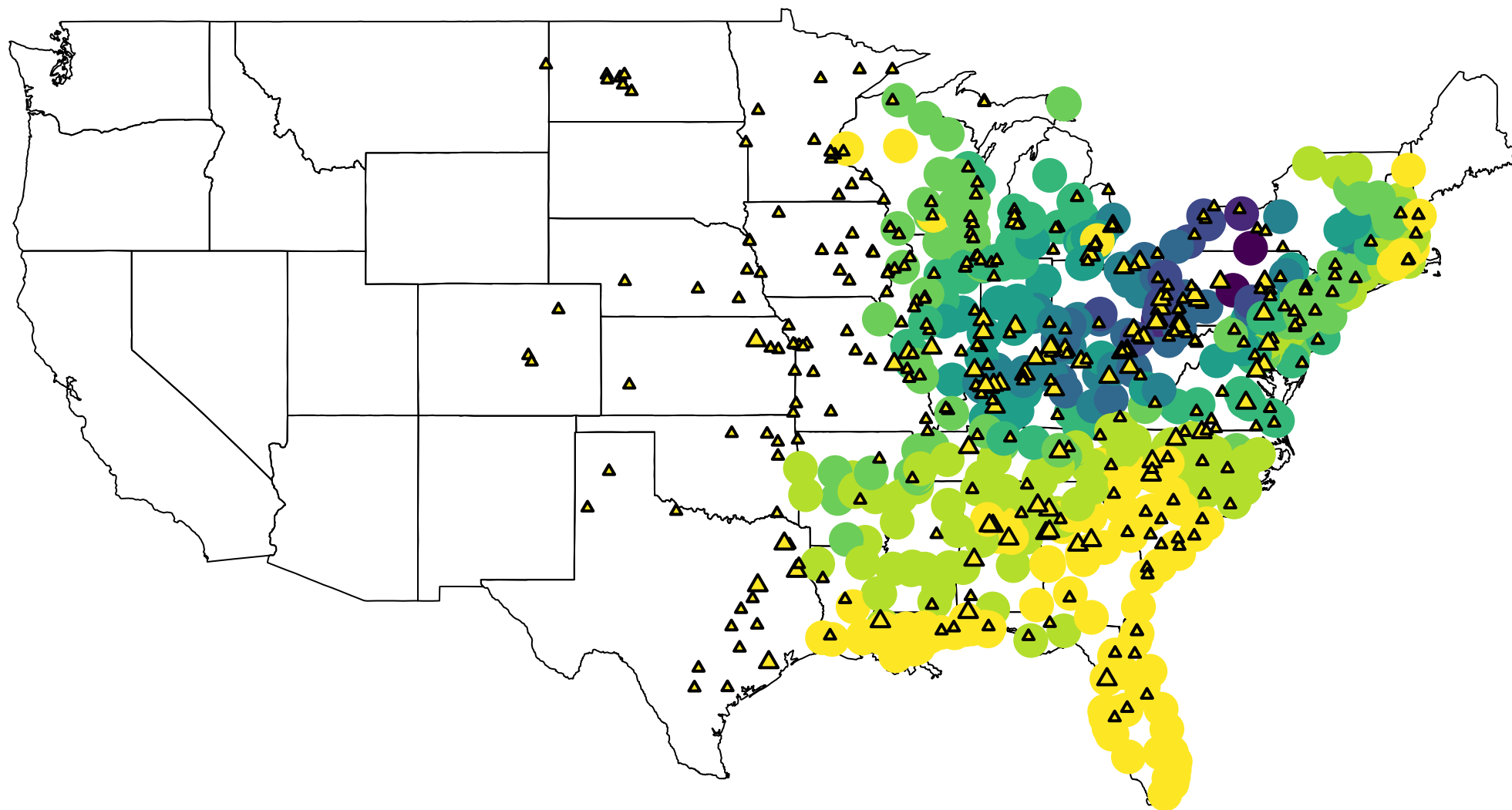
Edge counts by distance/direction to source  
Southeast receptors



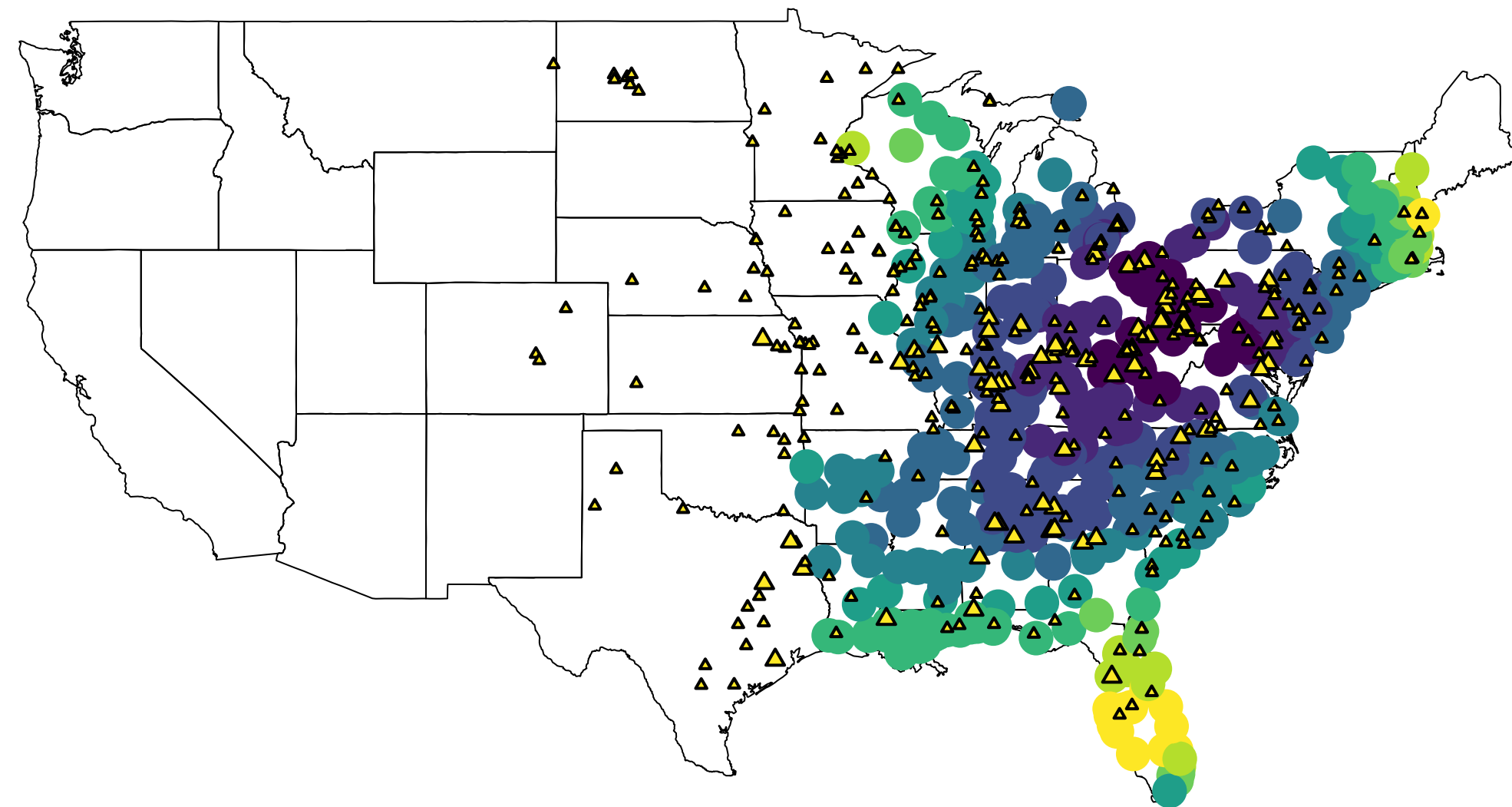
Distance to Source (km) 750-1000 500-750 250-500 0-250



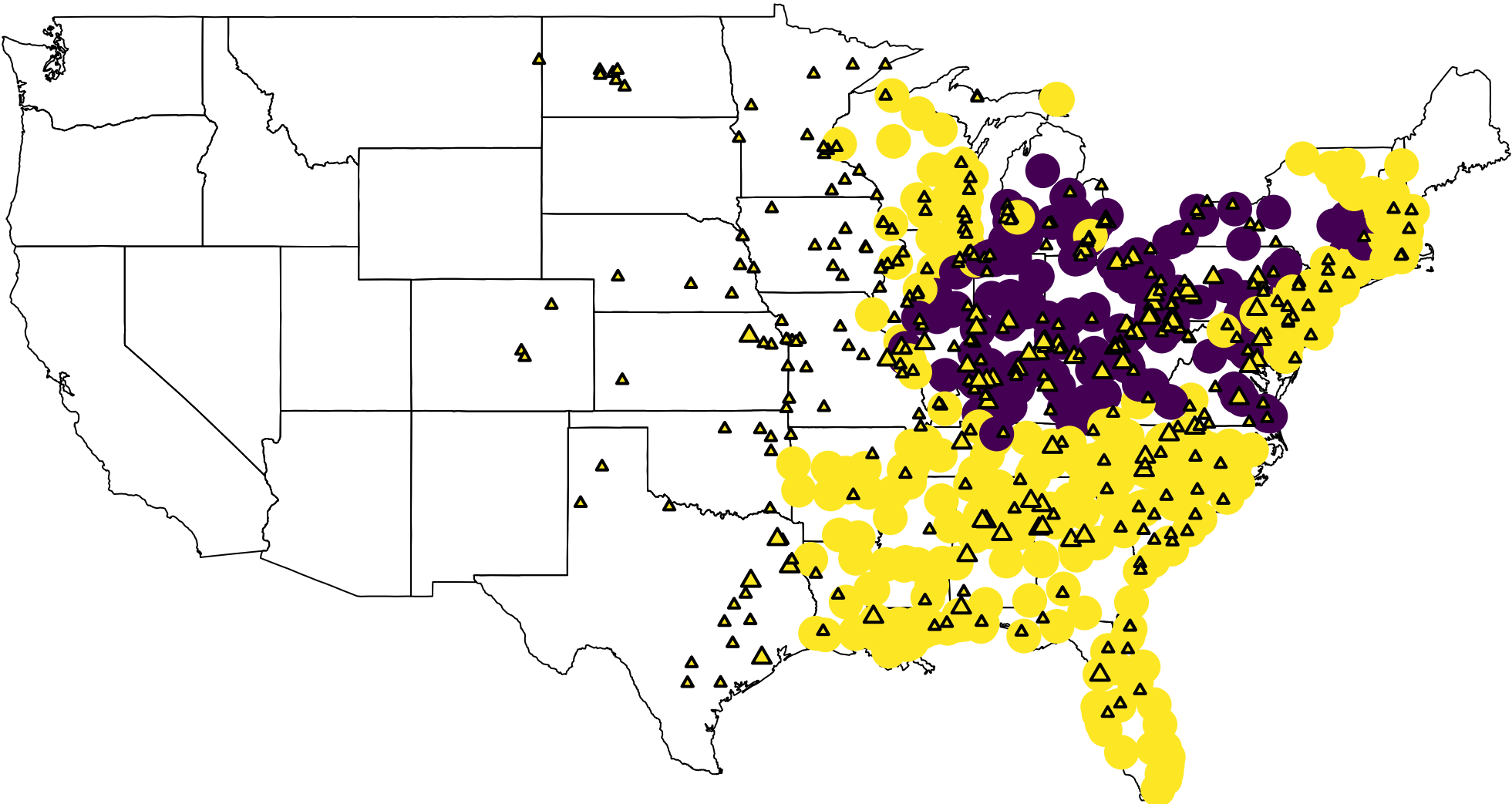
Monitor exposure: sum of gams.coeff, summer 2005



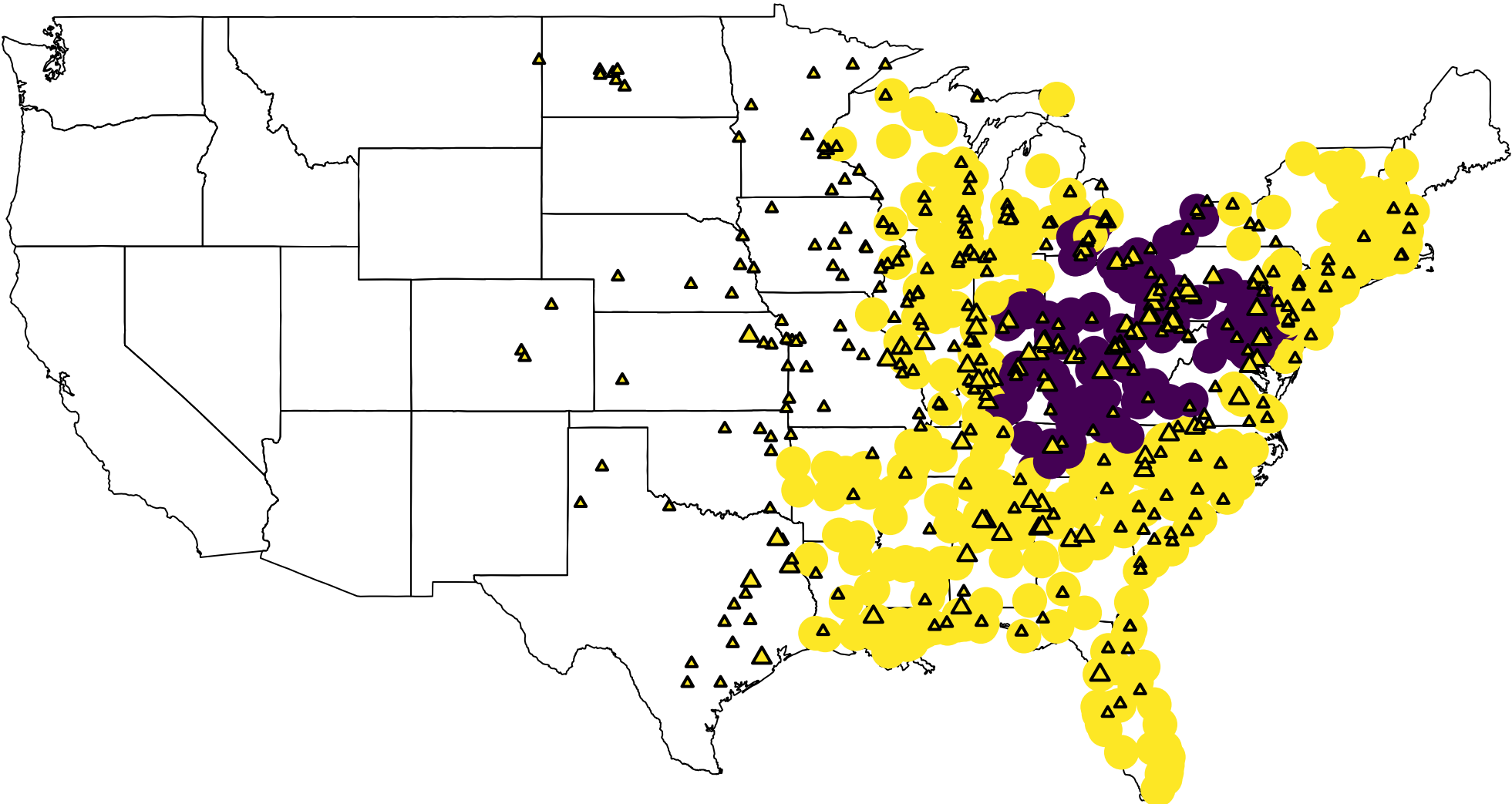
Monitor exposure: avgPM, decomposed75 summer 2005



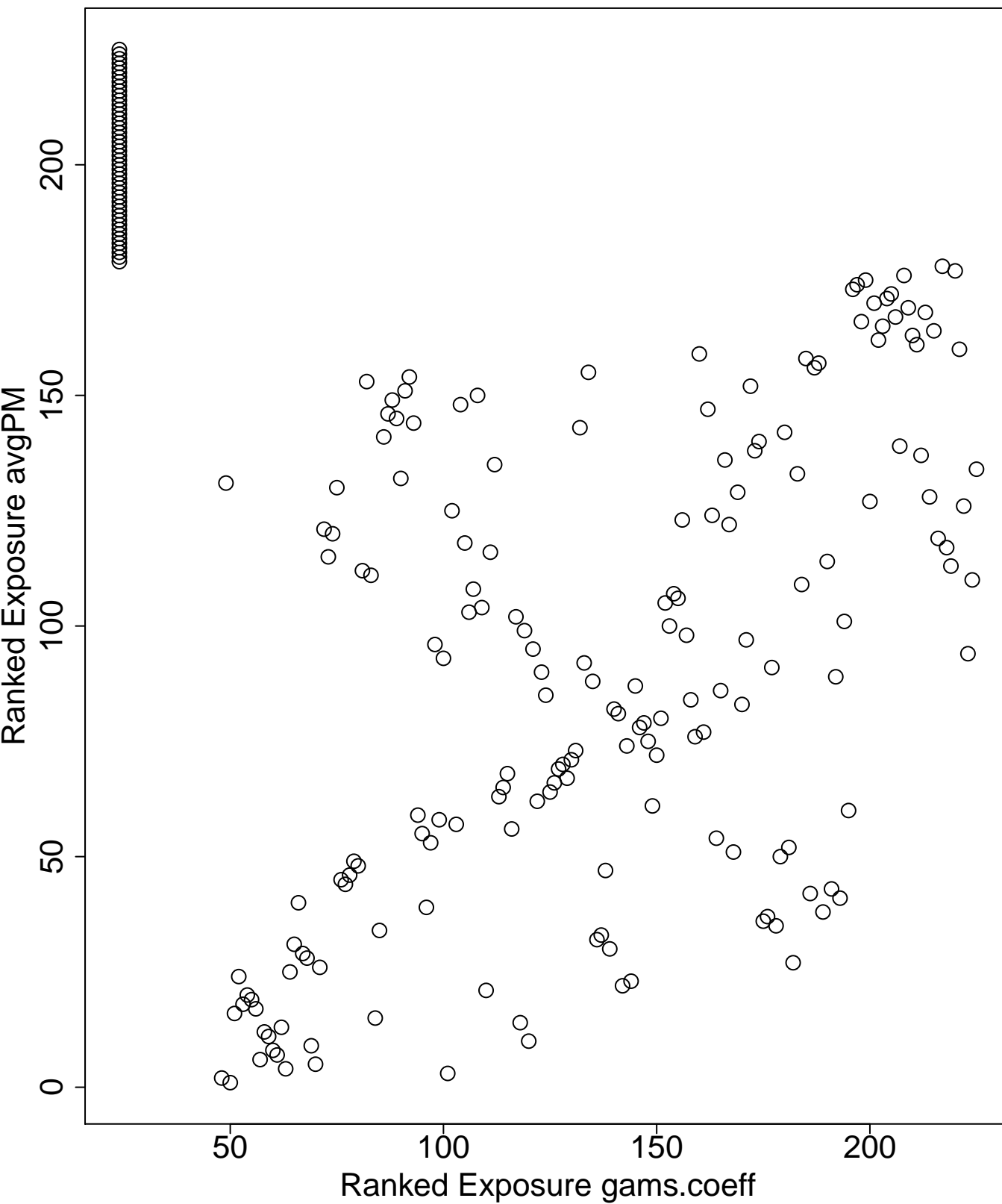
Highest exposed: sum of gams.coeff, summer 2005



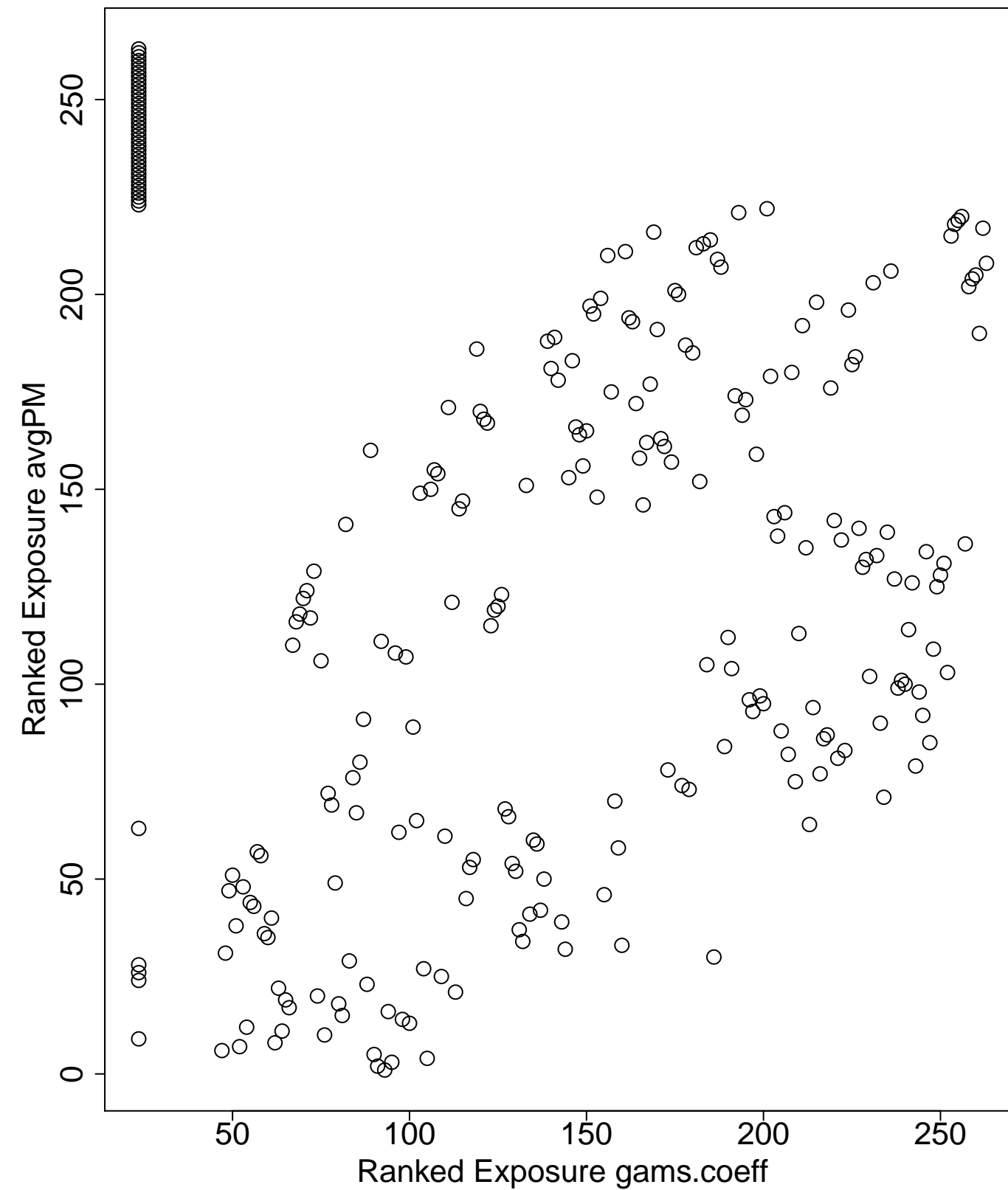
Highest exposed: avgPM, decomposed75 summer 2005



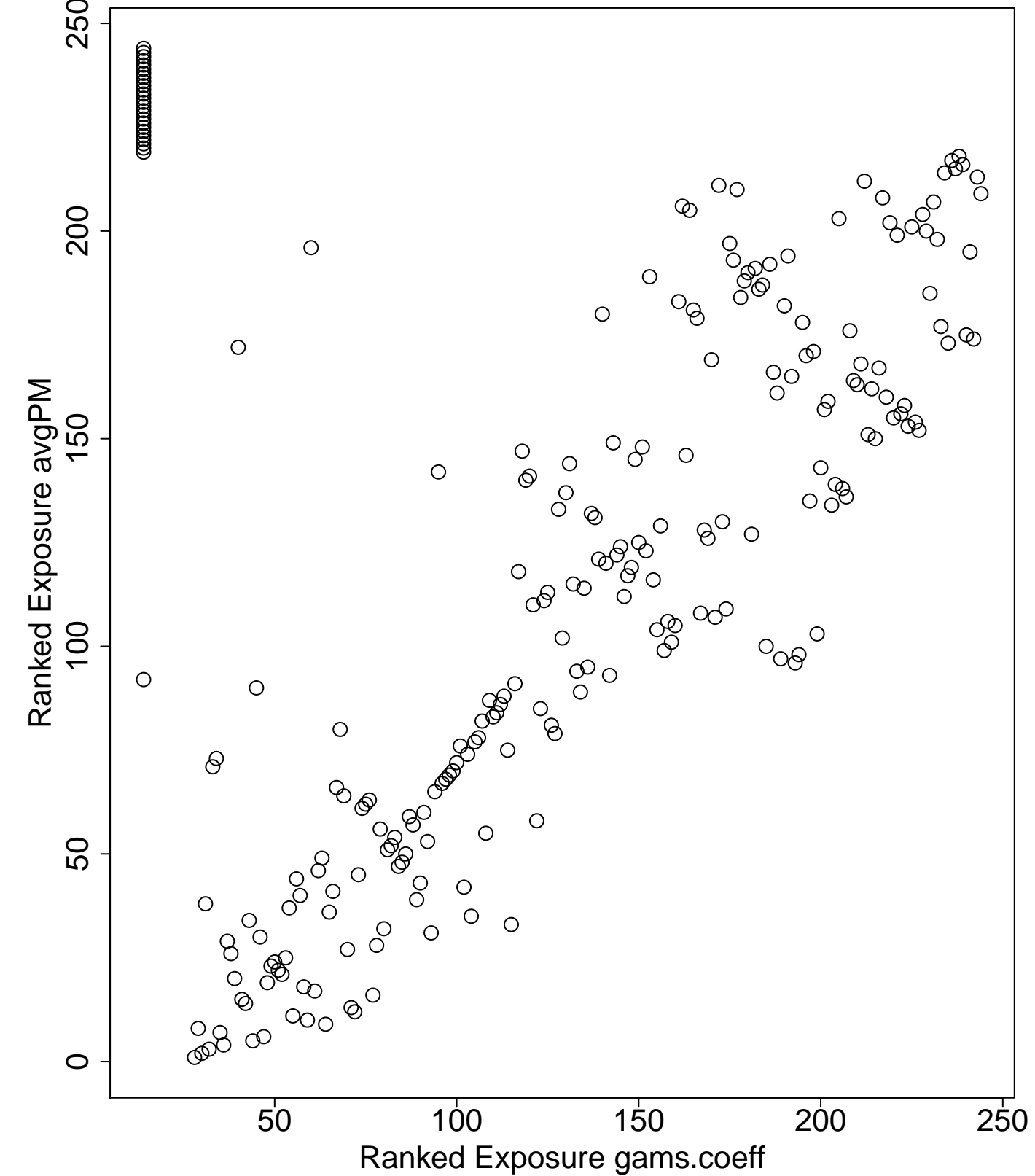
Northeast correlation = 0.55



Southeast correlation = 0.53

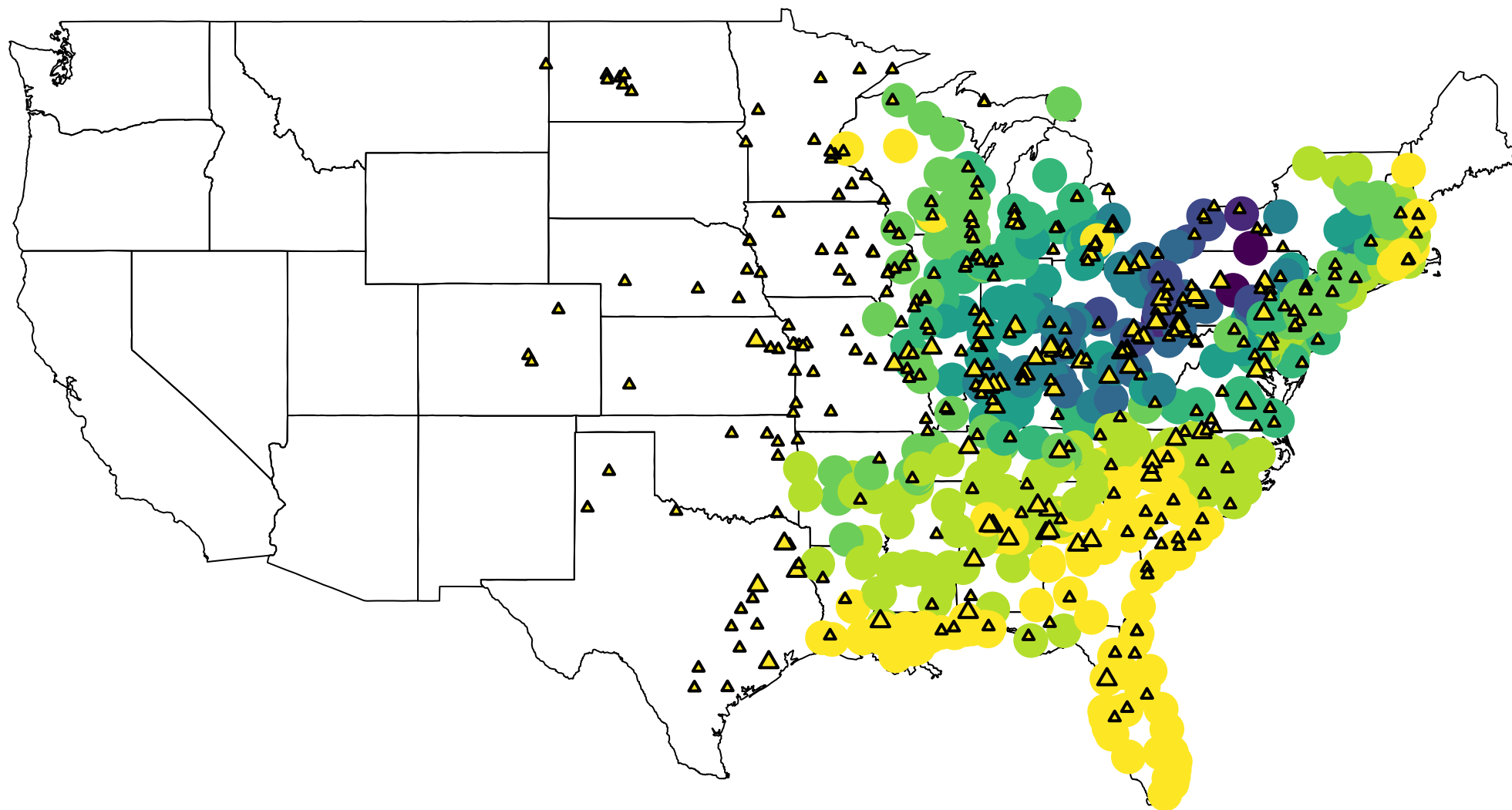


IndustrialMidwest correlation = 0.87

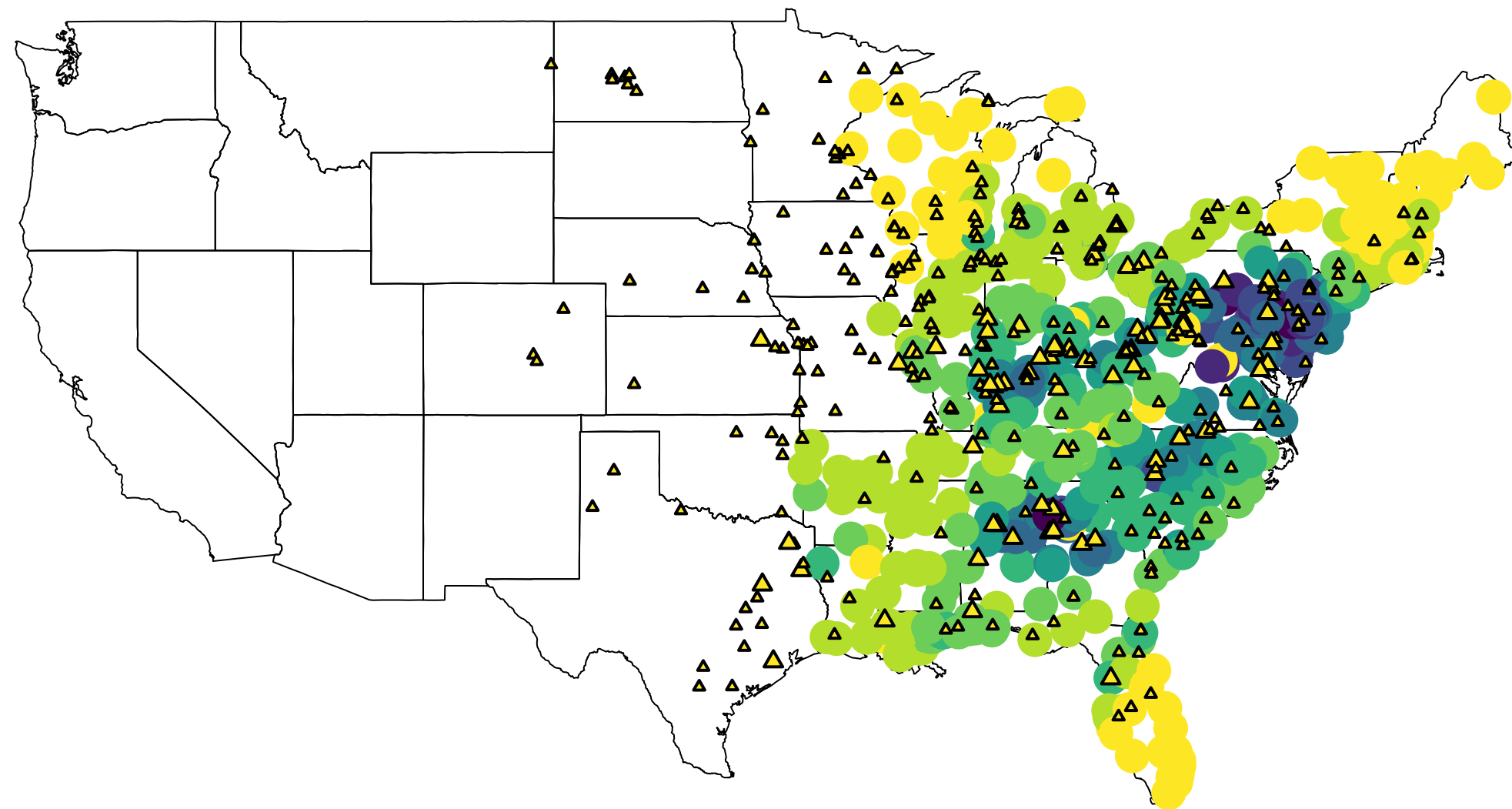




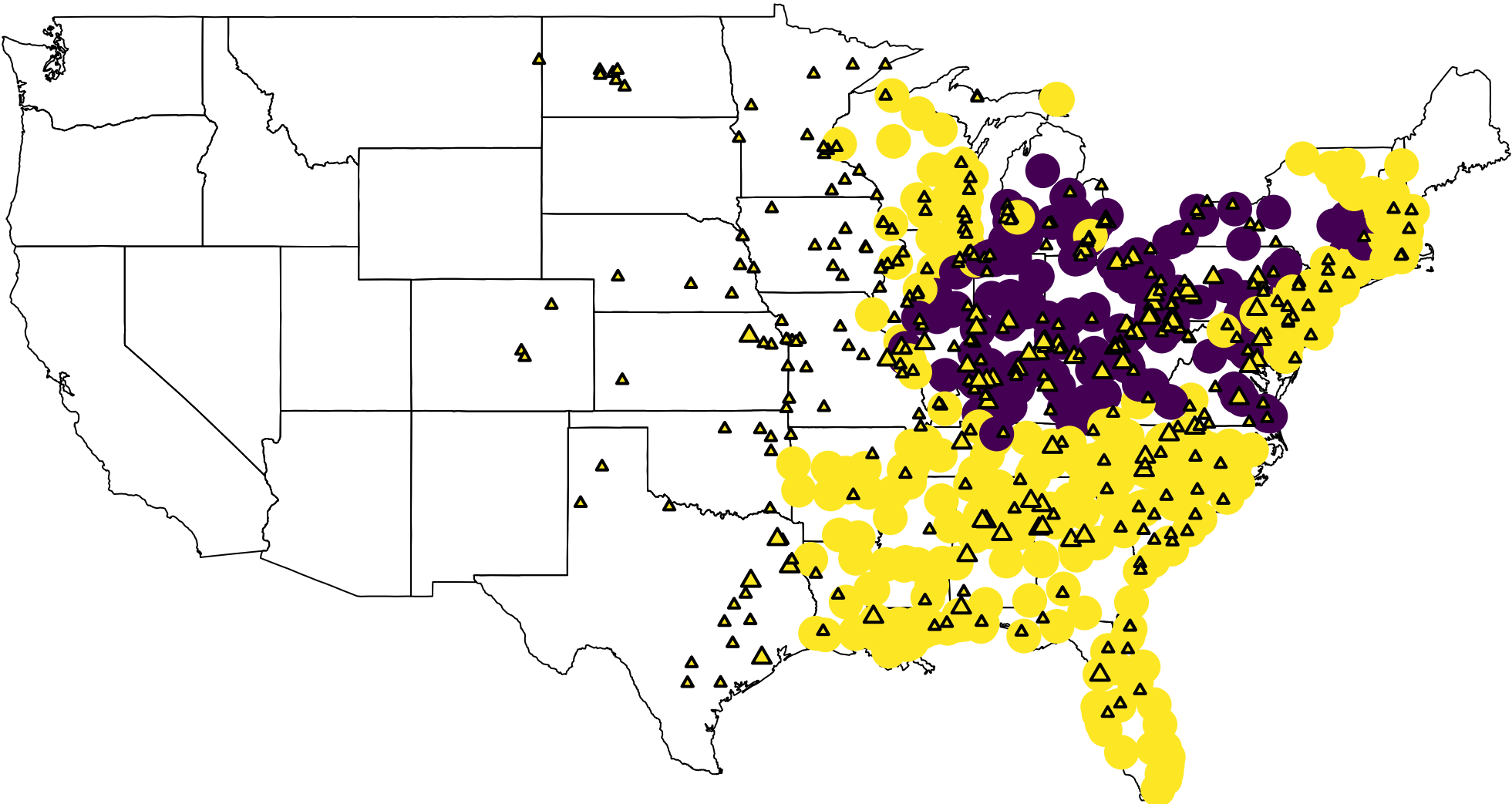
**Monitor exposure: sum of gams.coeff, summer 2005**



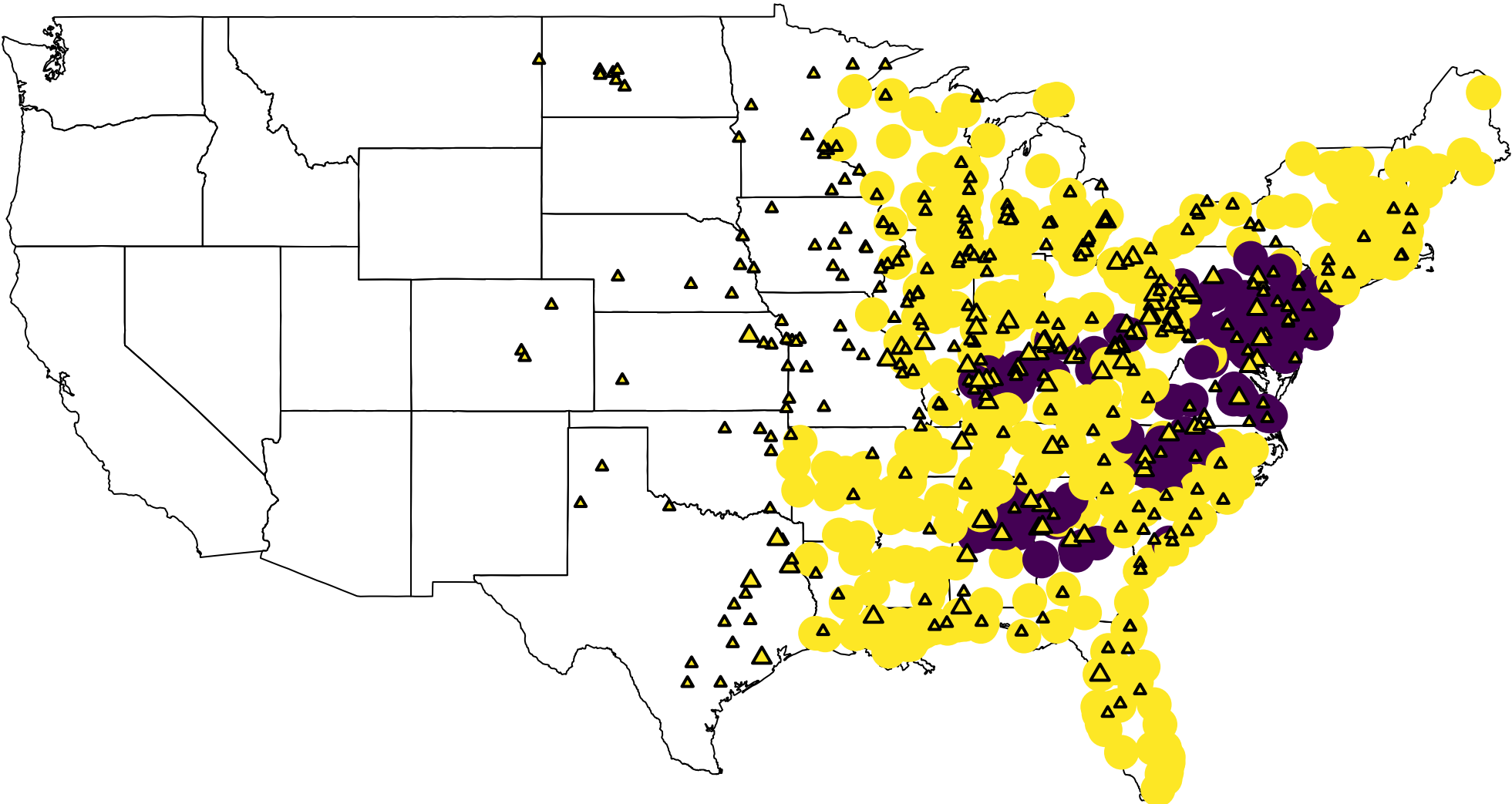
**Monitor exposure: annual coal emissions (lnMAP)**



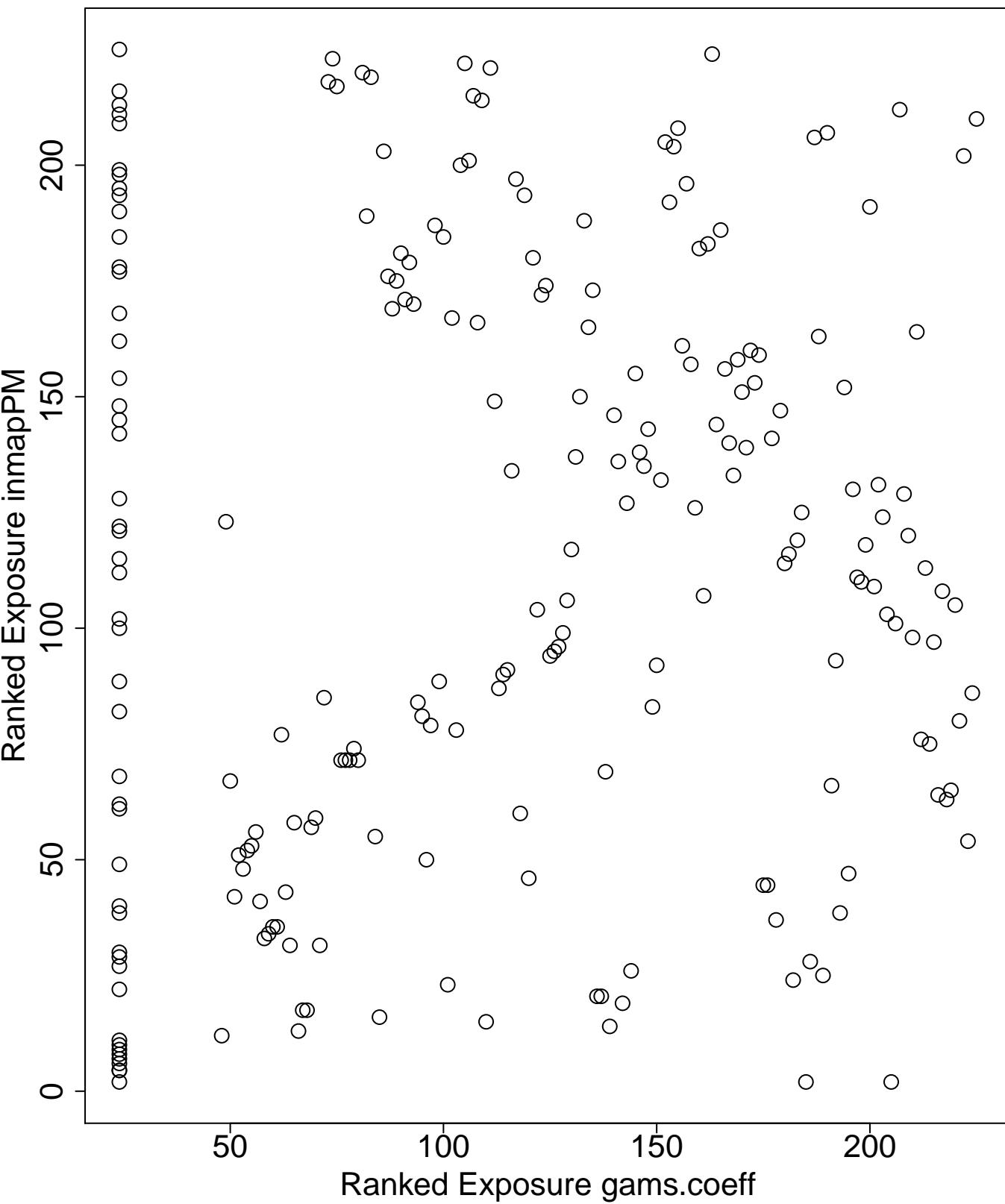
Highest exposed: sum of gams.coeff, summer 2005



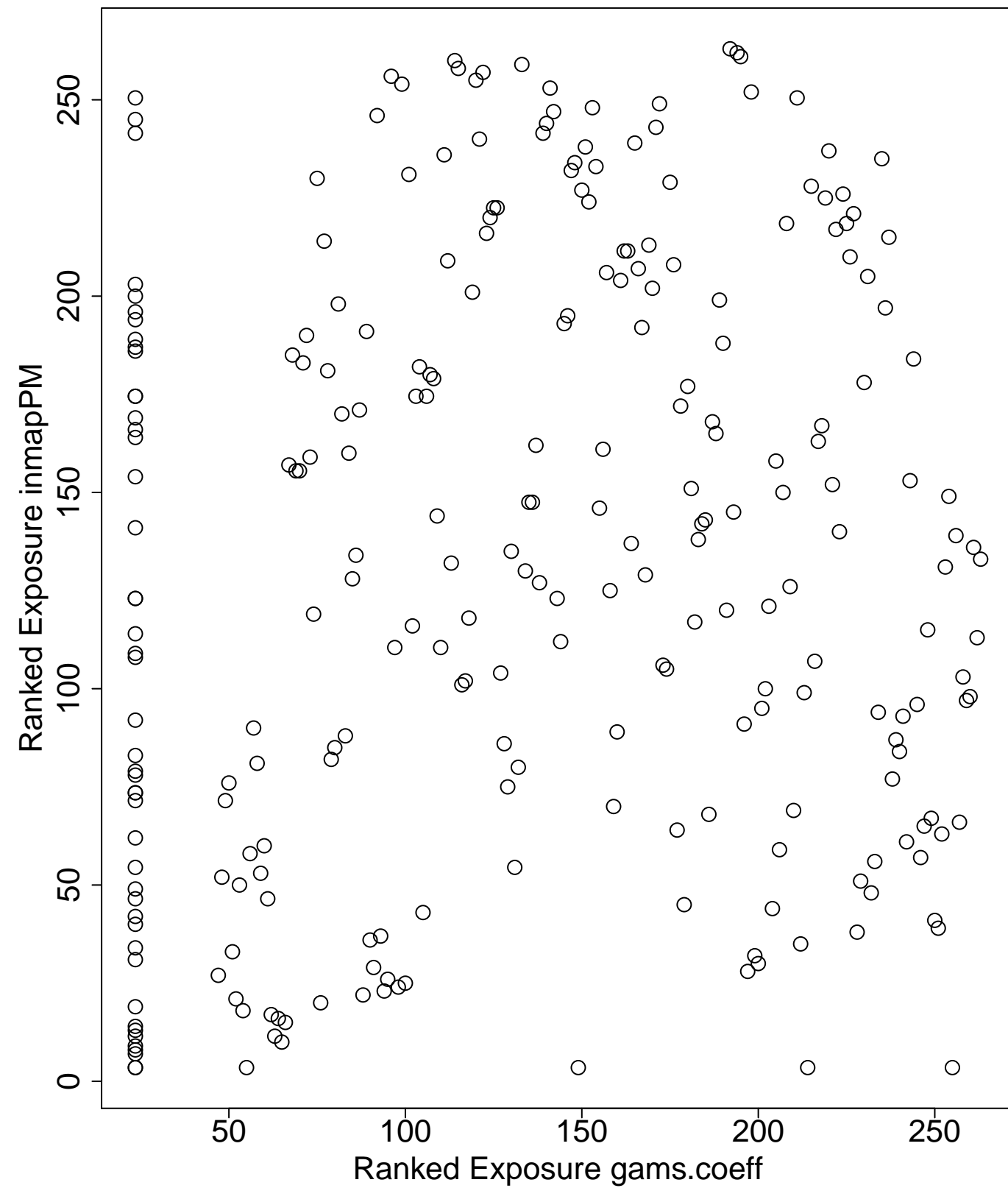
Highest exposed: annual coal emissions (lnMAP)



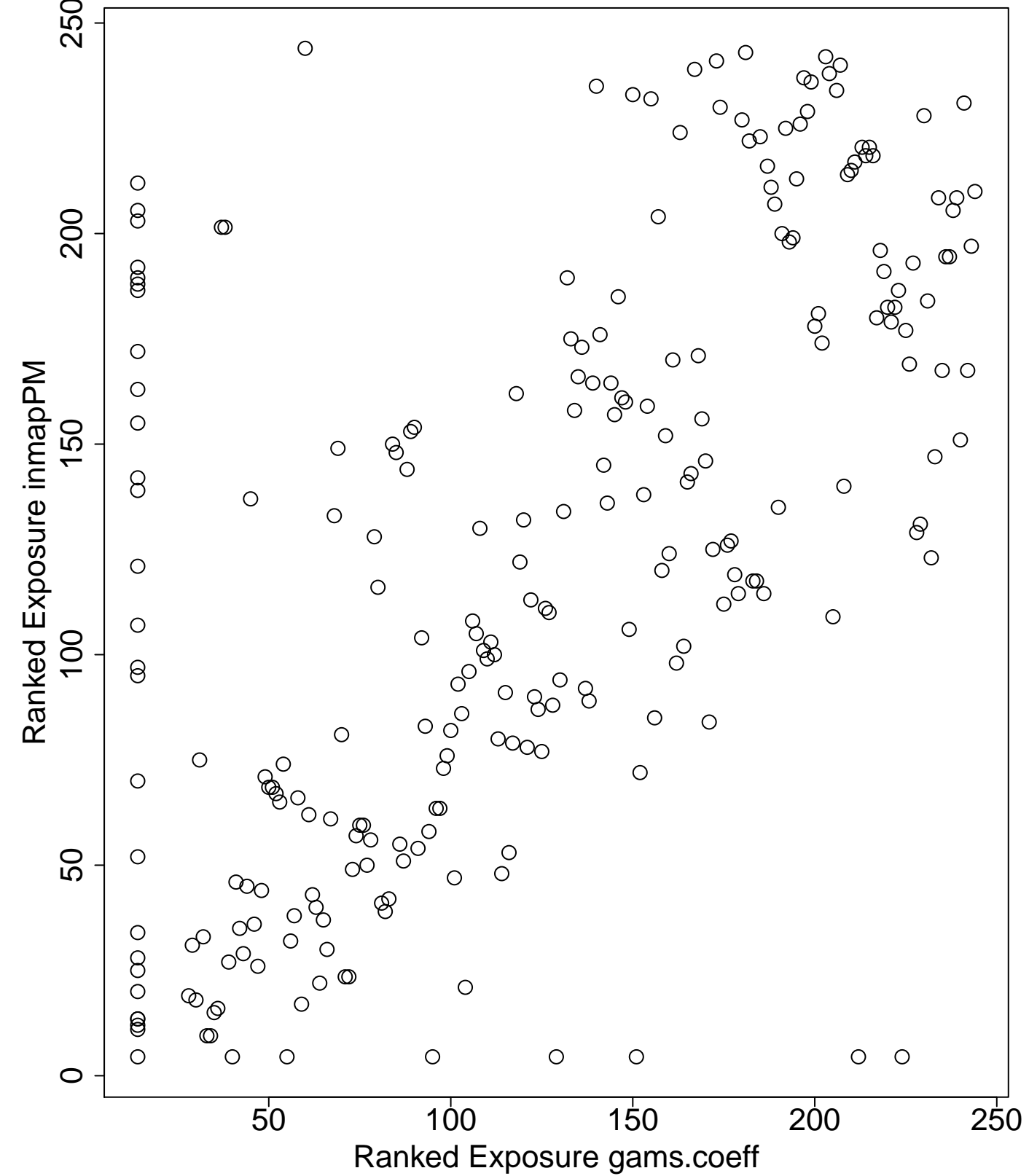
Northeast correlation = 0.14



Southeast correlation = 0.08

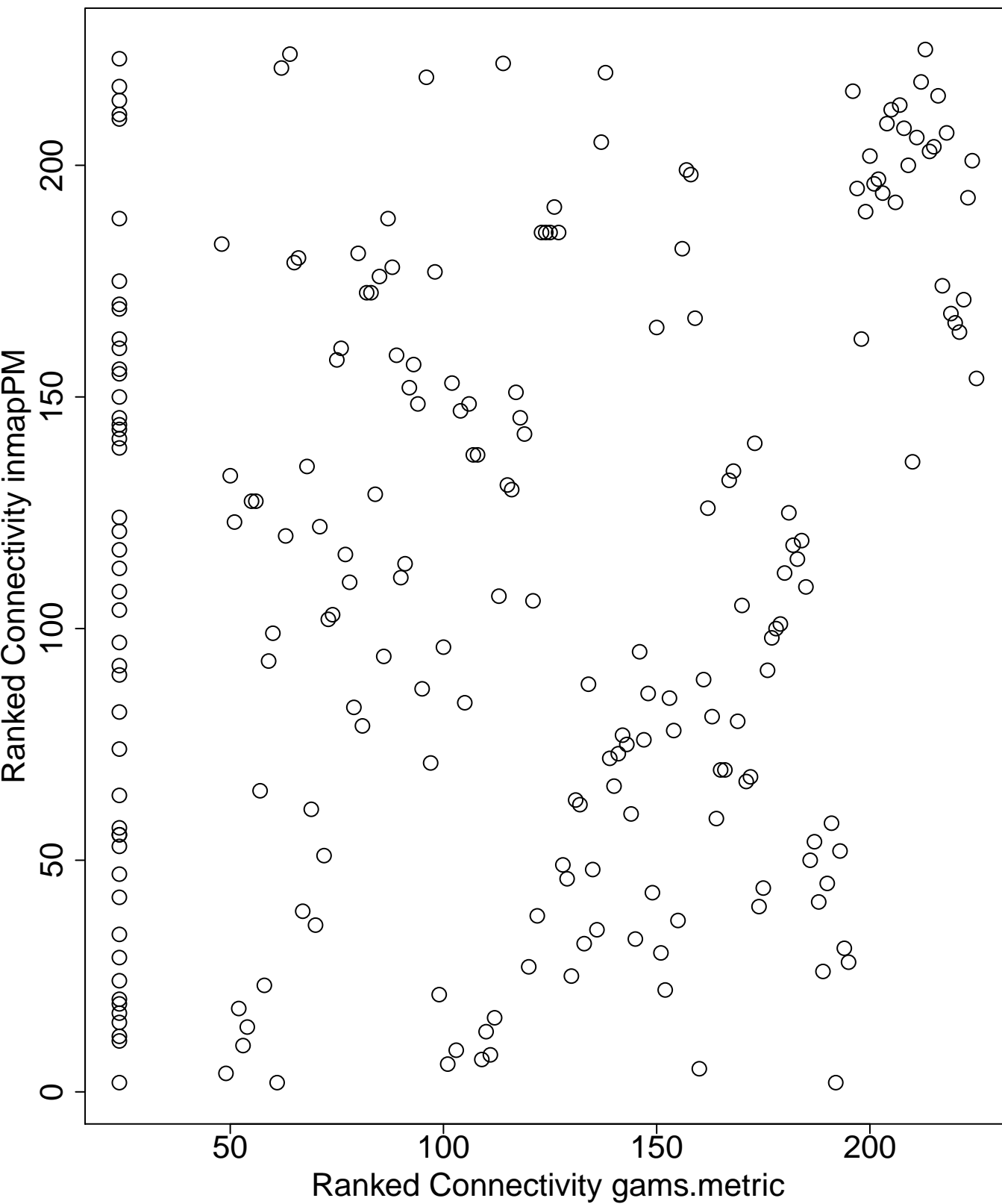


IndustrialMidwest correlation = 0.71

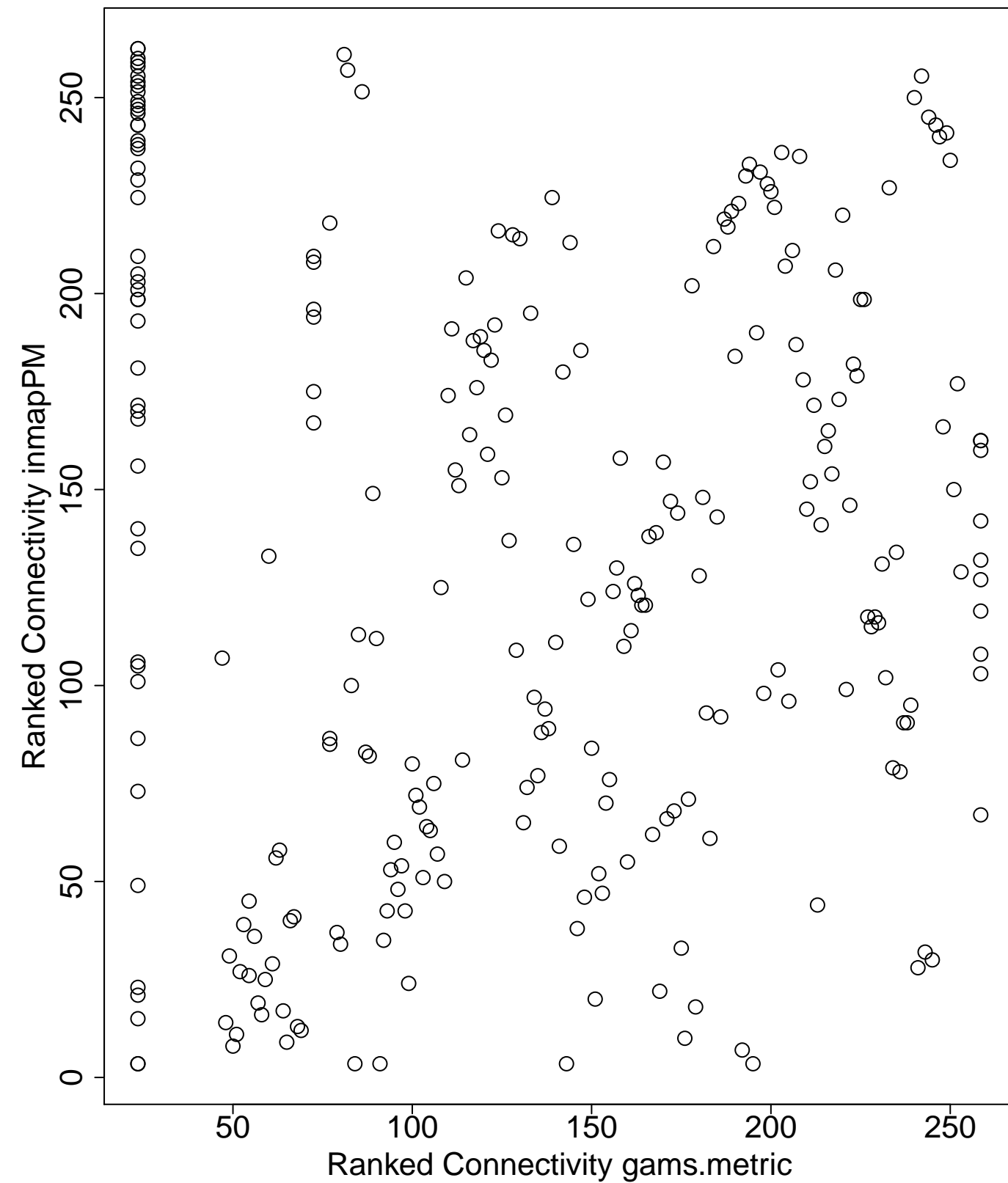




**Northeast correlation = 0.18**



**Southeast correlation = 0.04**



**IndustrialMidwest correlation = 0.36**

