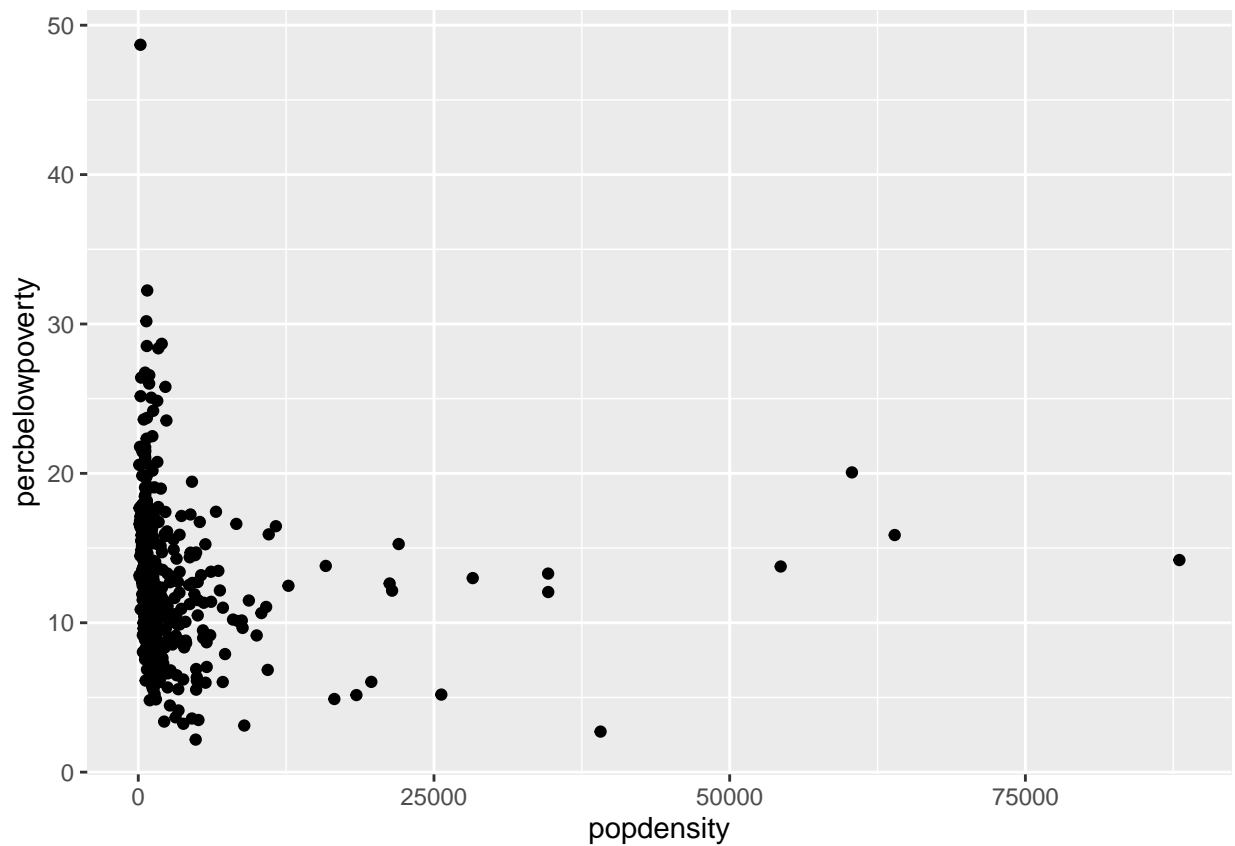


Lecture 3 Notes

JJS

2022-09-08

```
ggplot(data = midwest,  
       mapping = aes(x = popdensity,  
                     y = percbelowpoverty)) +  
  geom_point()
```



```
ggplot(data = midwest,  
       mapping = aes(x = popdensity,  
                     y = percbelowpoverty)) +  
  geom_point() + # can layers atop one another  
  geom_smooth(method = "lm", se = FALSE) + # loess is a local smoother; lm is linear model, gives line  
    # se = [FALSE] gets rid of error bars  
  geom_point() +  
  scale_x_log10() + # spread out the squished points (long-skewed tail of things)
```

```
labs(x = "Population Density",  
     y = "Percent in Poverty",  
     title = "Density vs. Poverty in the Midwest")
```

```
## 'geom_smooth()' using formula 'y ~ x'
```

