2c pests

Brad Anderson

February 23, 2018

library(tidyverse)

pest <- read\_csv("ca\_pest.csv")  
  
pop <- read\_csv("ca\_pop.csv")

both <- merge(pest, pop, by = "County")  
  
both$PestConcentration <- both$PestConcentration <- both$PestPounds/both$CountyArea  
   
both <- both %>%   
 select(County, PestConcentration, MedFamilyIncome, Population) %>%  
 arrange(-PestConcentration)

ggplot( both, aes(x = MedFamilyIncome, y = PestConcentration)) +  
 geom\_jitter(aes(size = Population))+  
 ylab("Pesticide (Pounds per Square Mile)")+  
 xlab("Median Family Income")+  
 geom\_smooth(se = FALSE, method = "lm")+  
 theme\_bw()+  
 theme(panel.grid.major = element\_blank(),  
 panel.grid.minor = element\_blank())

