Spaghetti Plot Demo

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```
# get data
# using data from
# https://stats.idre.ucla.edu/stata/examples/mlm-imm/introduction-to-multilevel-modeling-by-kreft-and-d
library(haven) # read Stata
imm23 <- read_dta("https://stats.idre.ucla.edu/stat/examples/imm/imm23.dta")</pre>
# graph
library(ggplot2)
ggplot(imm23, # data I am using
       aes(x = ses, # x is ses)
           y = math, # y is math achievement
           color = factor(schid))) + # color is school id
  geom_smooth(method = "lm", se = FALSE)
                                                                            6053
                                                                                       25642
                                                                            6327
                                                                                       26537
                                                                            6467
                                                                                       46417
   60 -
                                                                            7194
                                                                                       47583
                                                                            7472
                                                                                       54344
                                                                            7474
                                                                                       62821
                                                                            7801
                                                                                       68448
                                                                            7829
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                                                                            7930
                                                                                       72080
   40 -
                                                                            24371
                                                                                       72292
                                                                            24725
                                                                                       72991
                                        0
                                                                            25456
                                    ses
```