

Lab 0

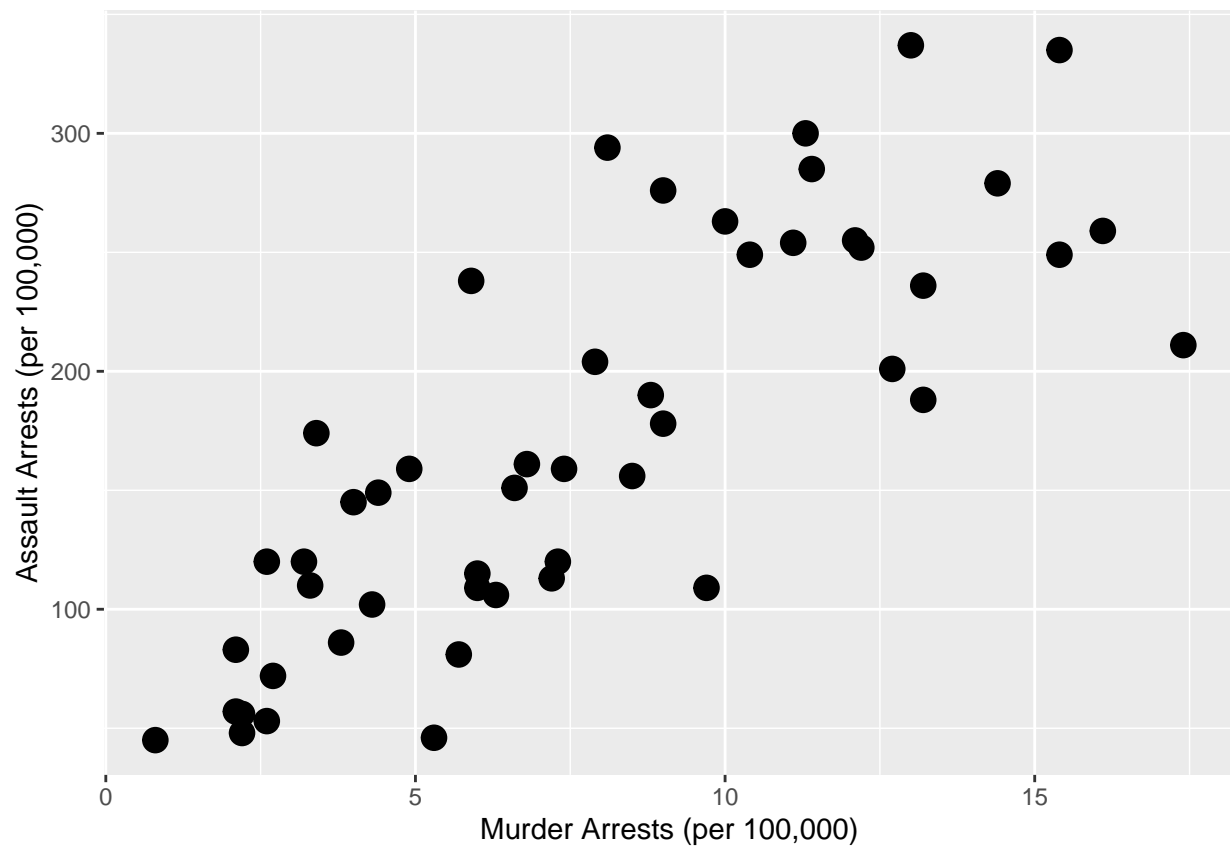
James Duncan (based on Ryan Giordano's solution from 2014)

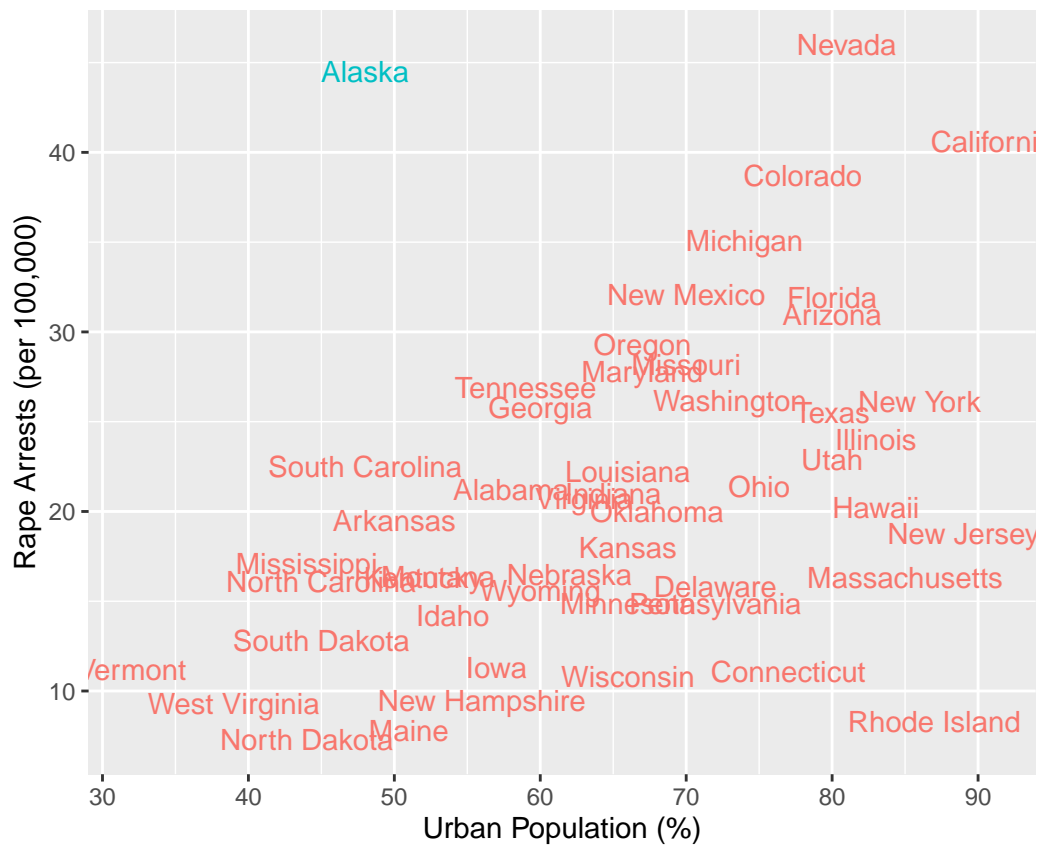
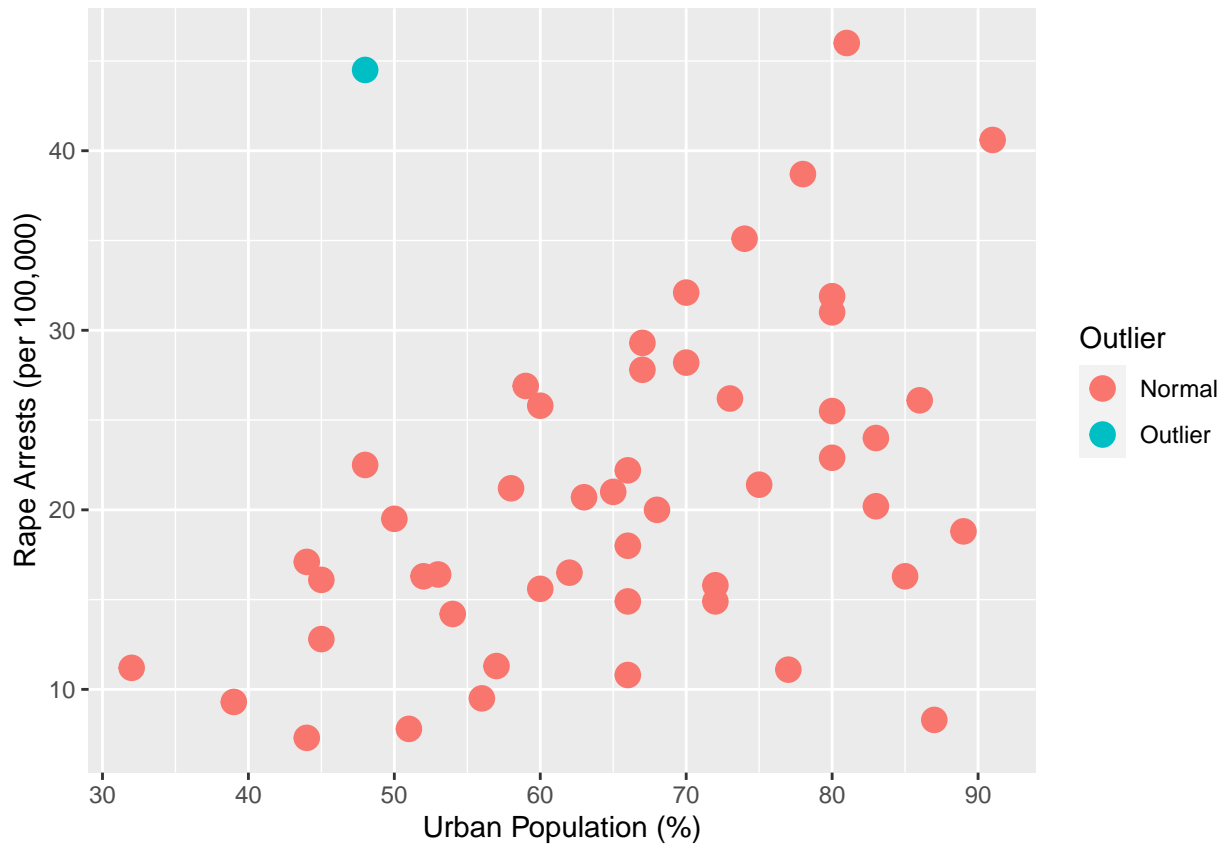
August 29, 2020

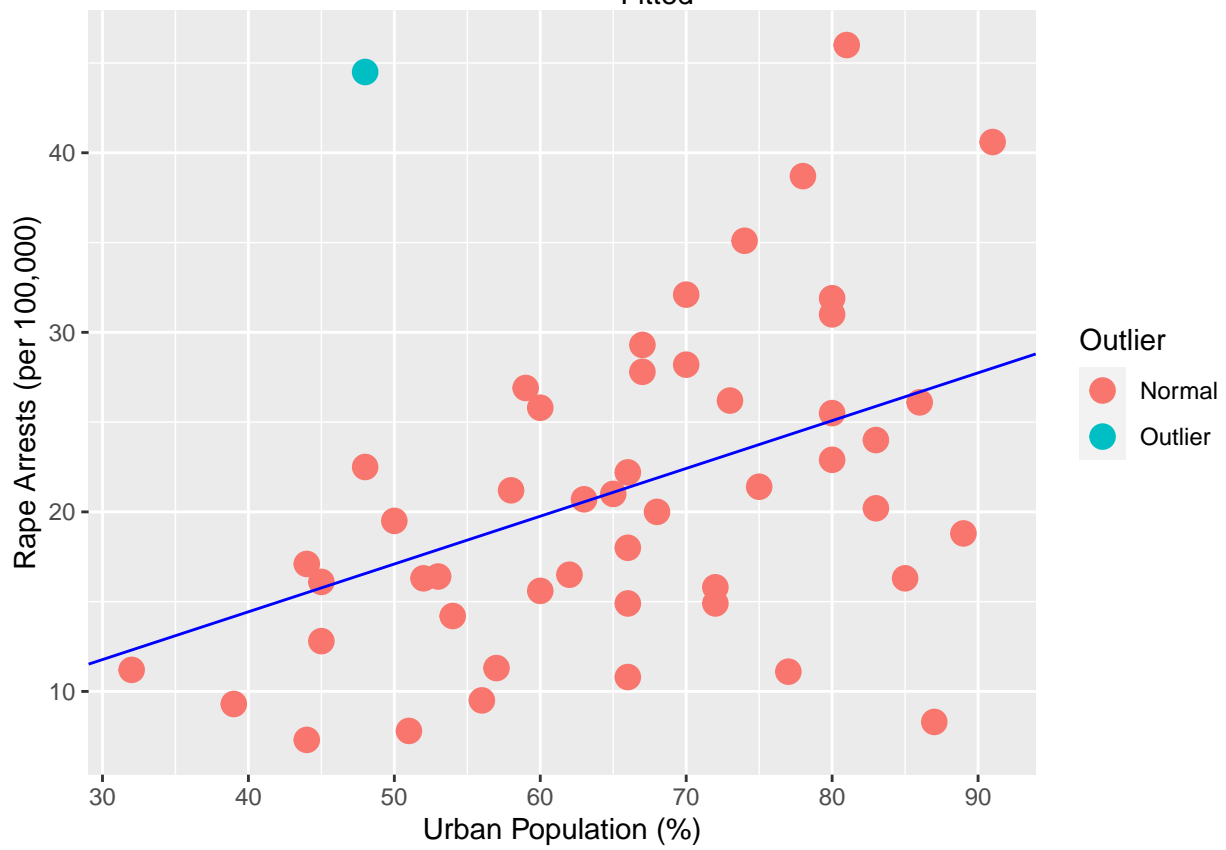
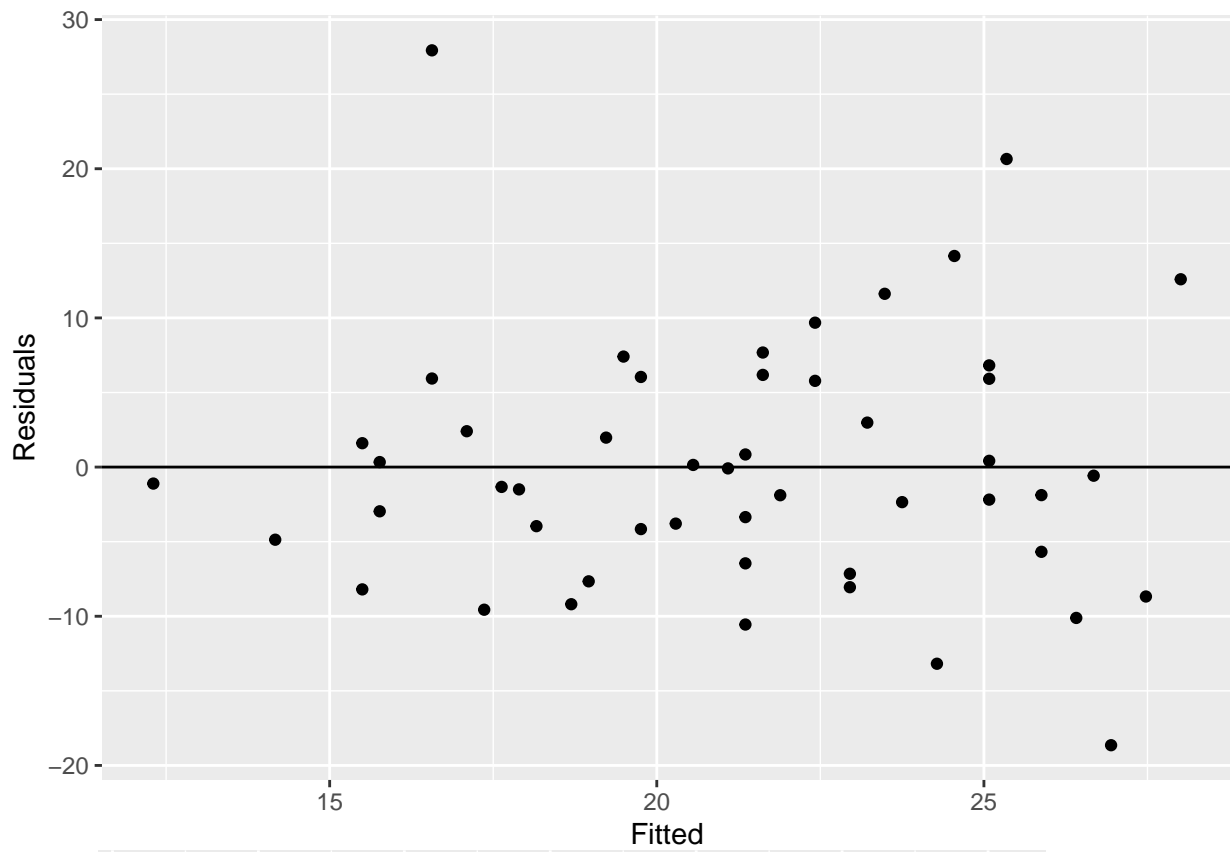
Note that in a real lab you will be expected to write a full publication-quality report. This pretend lab simply was purposed to give you an idea about how to use R to load in data, create visualizations and get a taste of the tidyverse.

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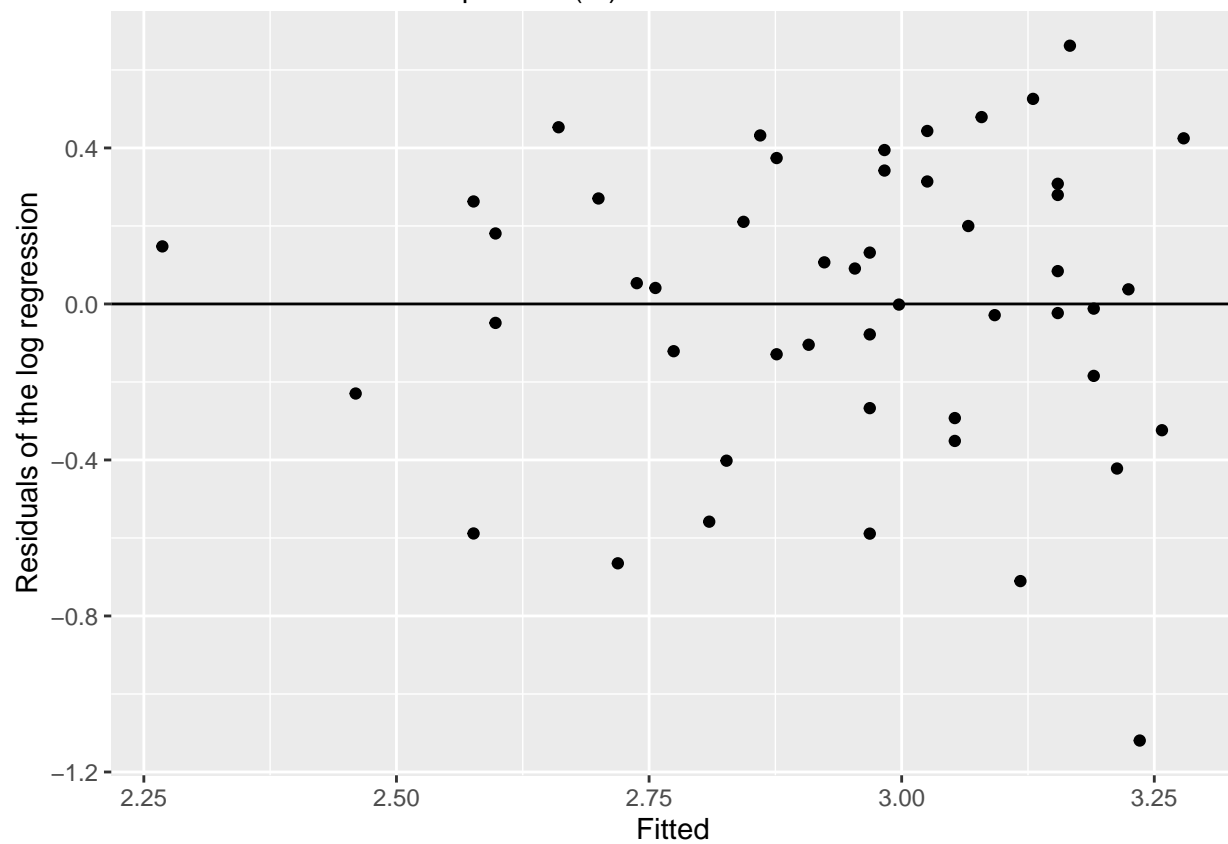
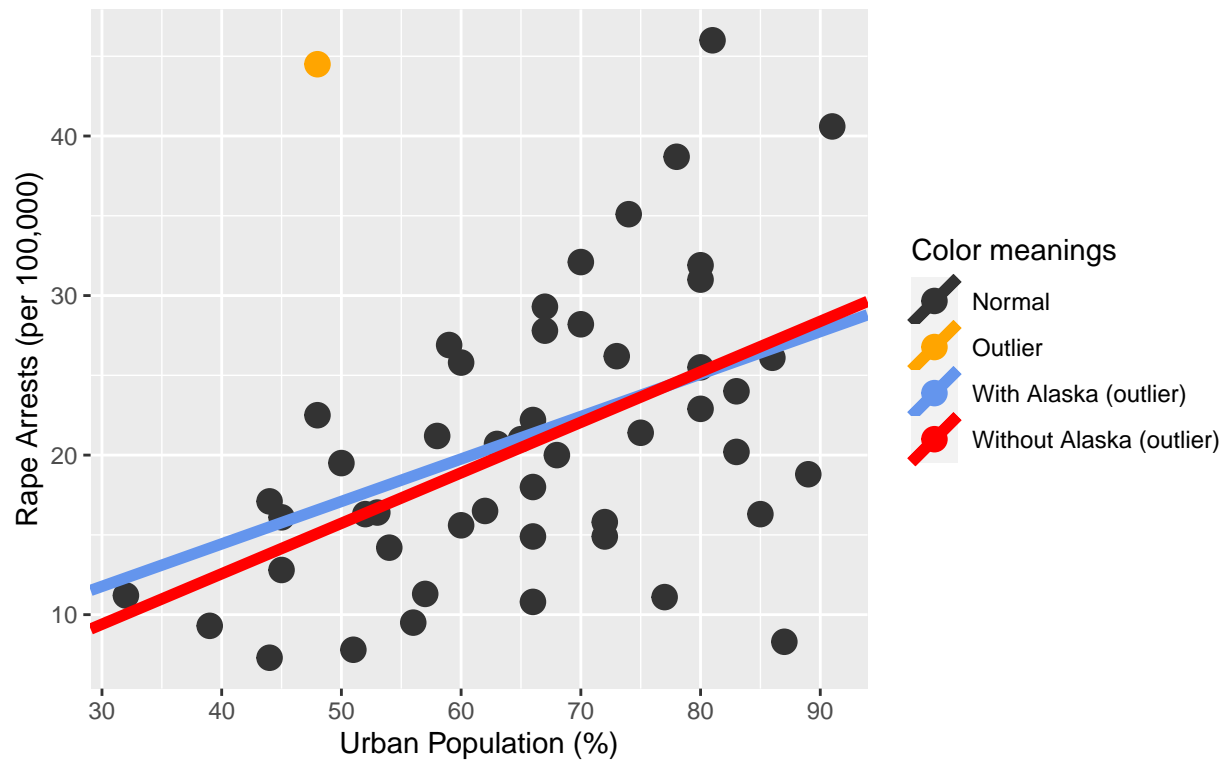
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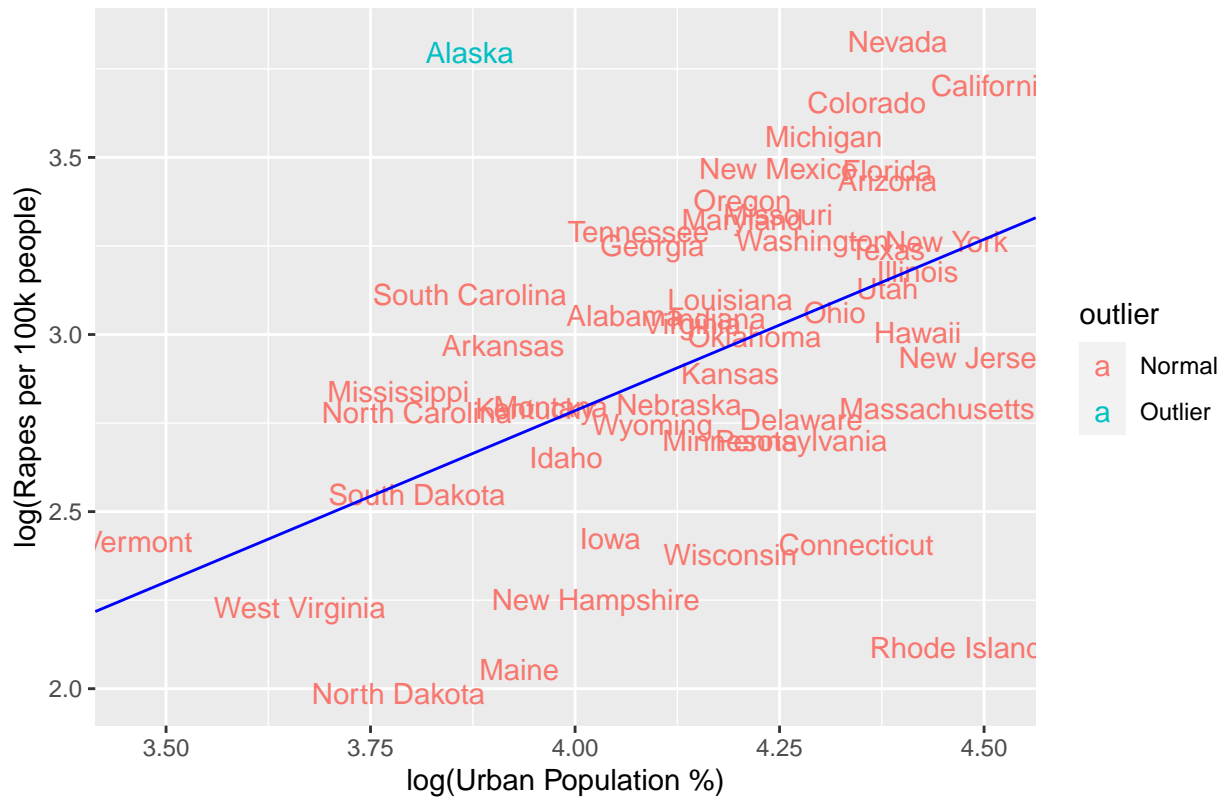




Linear fit to Rape / 100k people vs Urban Population %
with and without Alaska (an outlier)



Linear fit to $\log(\text{Rape}) / 100\text{k people}$ vs $\log(\text{Urban Population } \%)$



[1] 0.2659727

[1] 0.2702414