

Data Visualization of Student Performance

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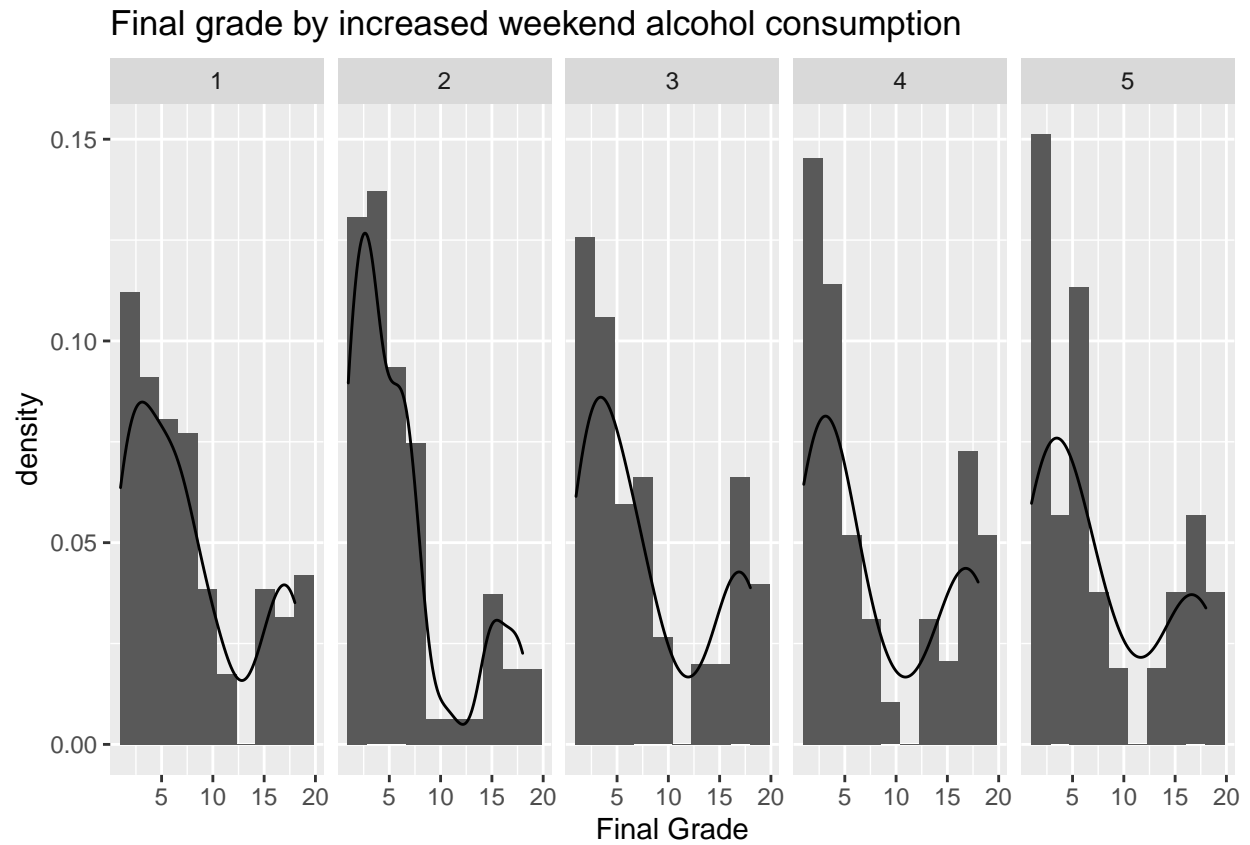


Figure 1. I felt that this graph had interesting behavior when the 2(low alcohol consumption) group had a high density of low test scores. I feel that there may be under reporting, or some bias to the survey results where students are under estimating thier alcohol consumption and that may have a negative effect on their studies.

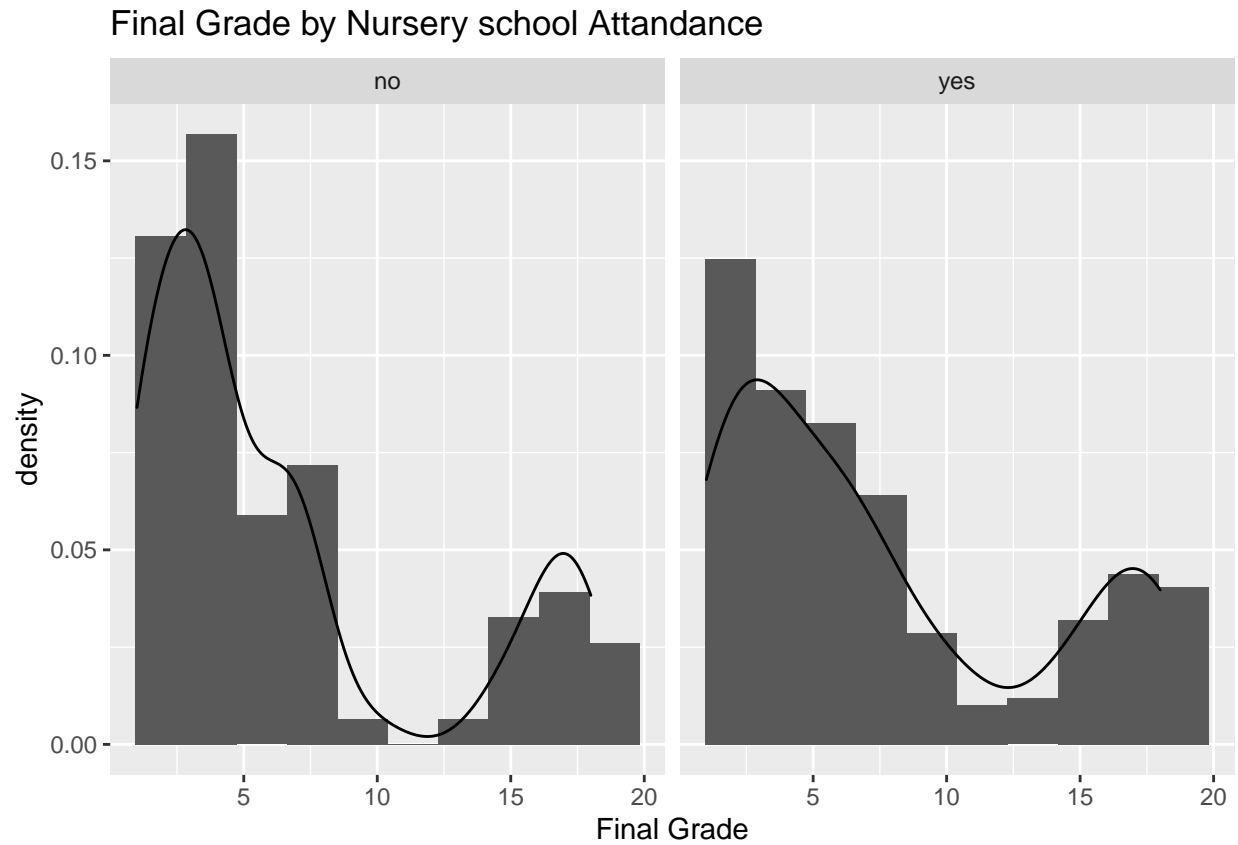


Figure 2. This graph is somewhat confirming my assumptions on that a child getting a headstart on thier education can benifit them in the long run.

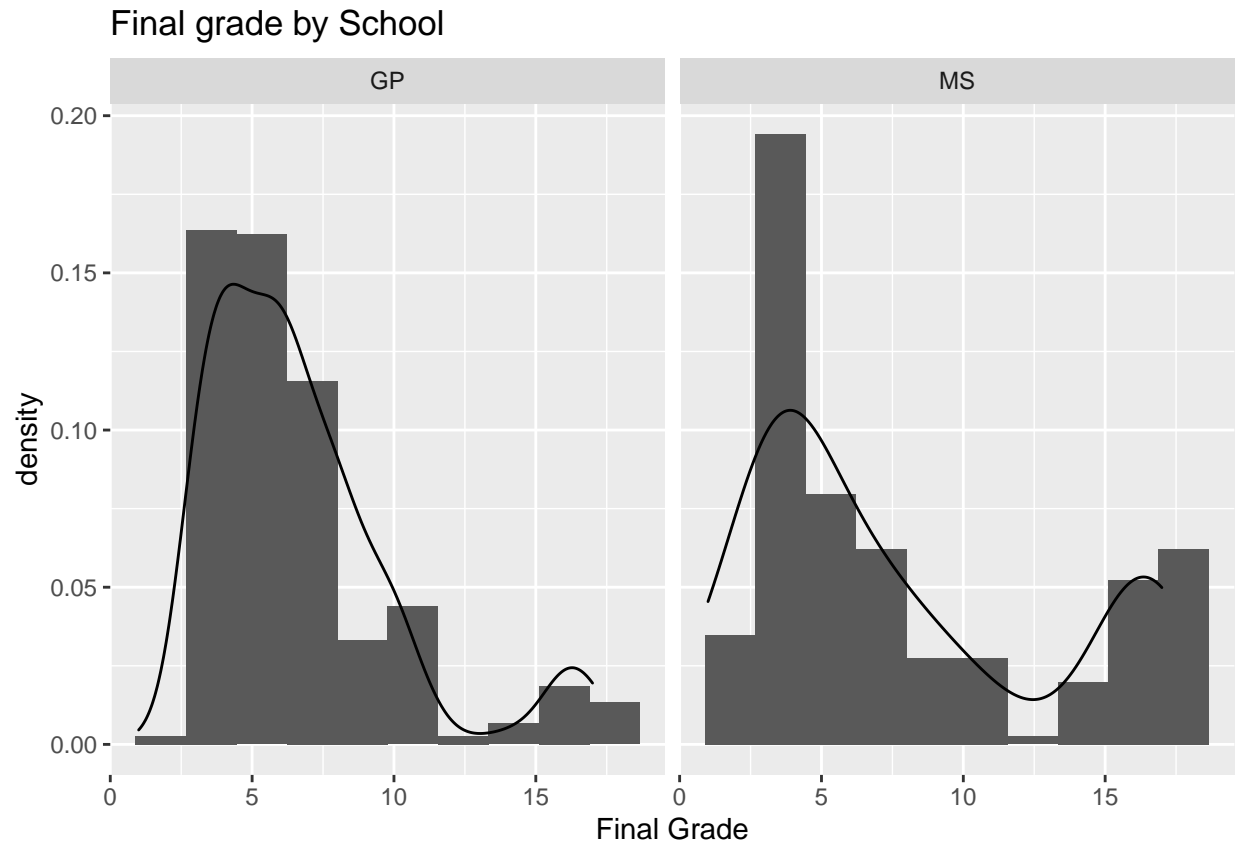


Figure 3. Here I found the differences in the density plot interesting for the two schools. I would like to some further analysis on some of the school demographics to see what may be causing the differences seen.

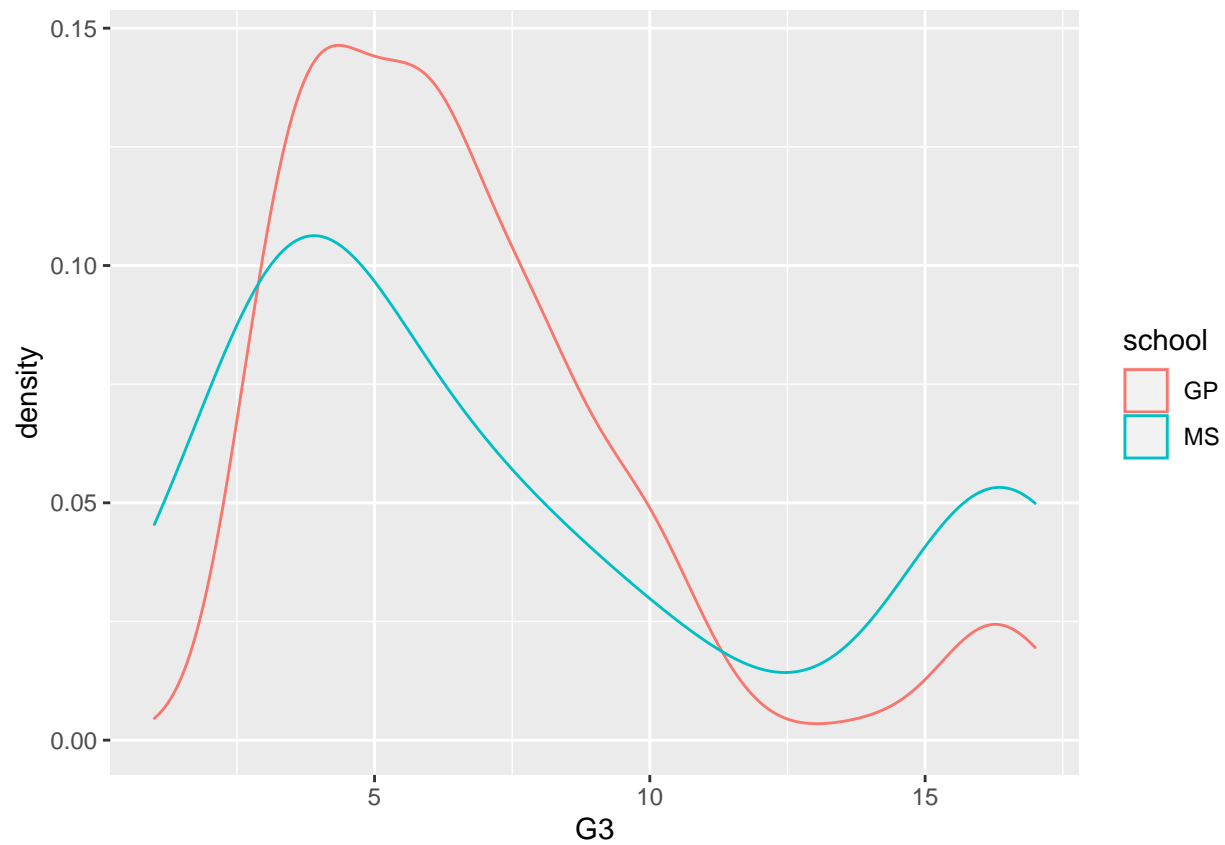


Figure 4. By stacking the two density plots I felt that the differences were much more apparent.

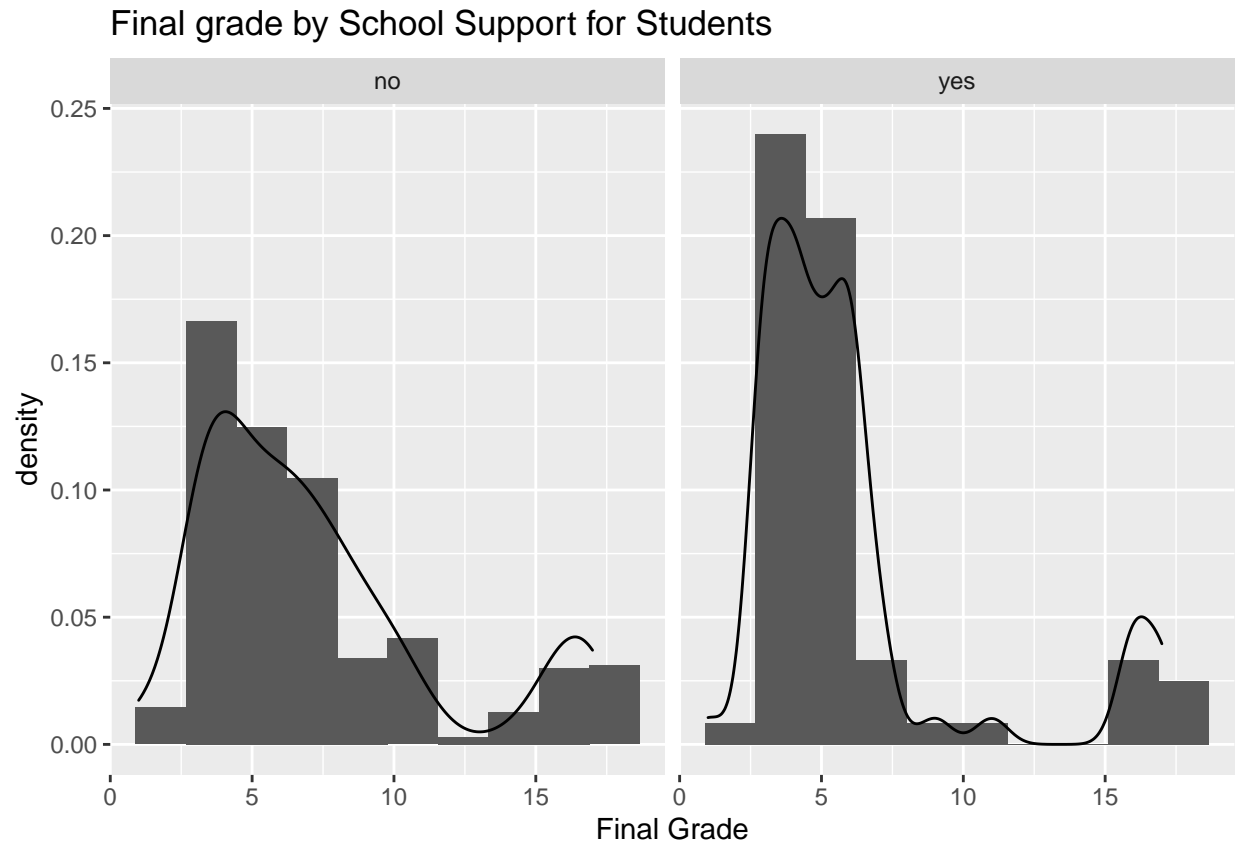


Figure 5. I think that this graph was interesting in that there were many more students performing poorly with school support, and I also find the large gap between peaks interesting. It could be that some students are able to really benefit from help while some may not be interested in school.

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## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
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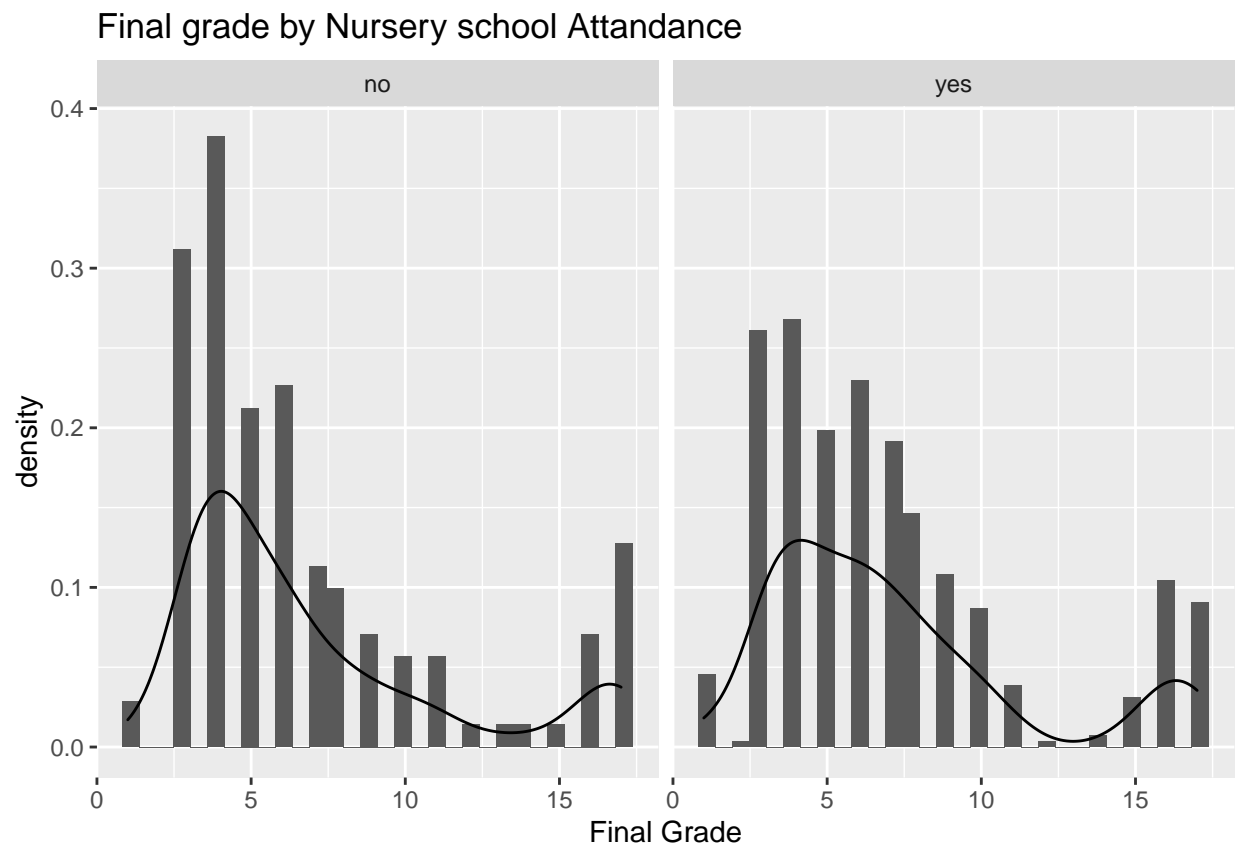


Figure 6. Another view of the results of attending nursery school.