

Predicting Student Performance

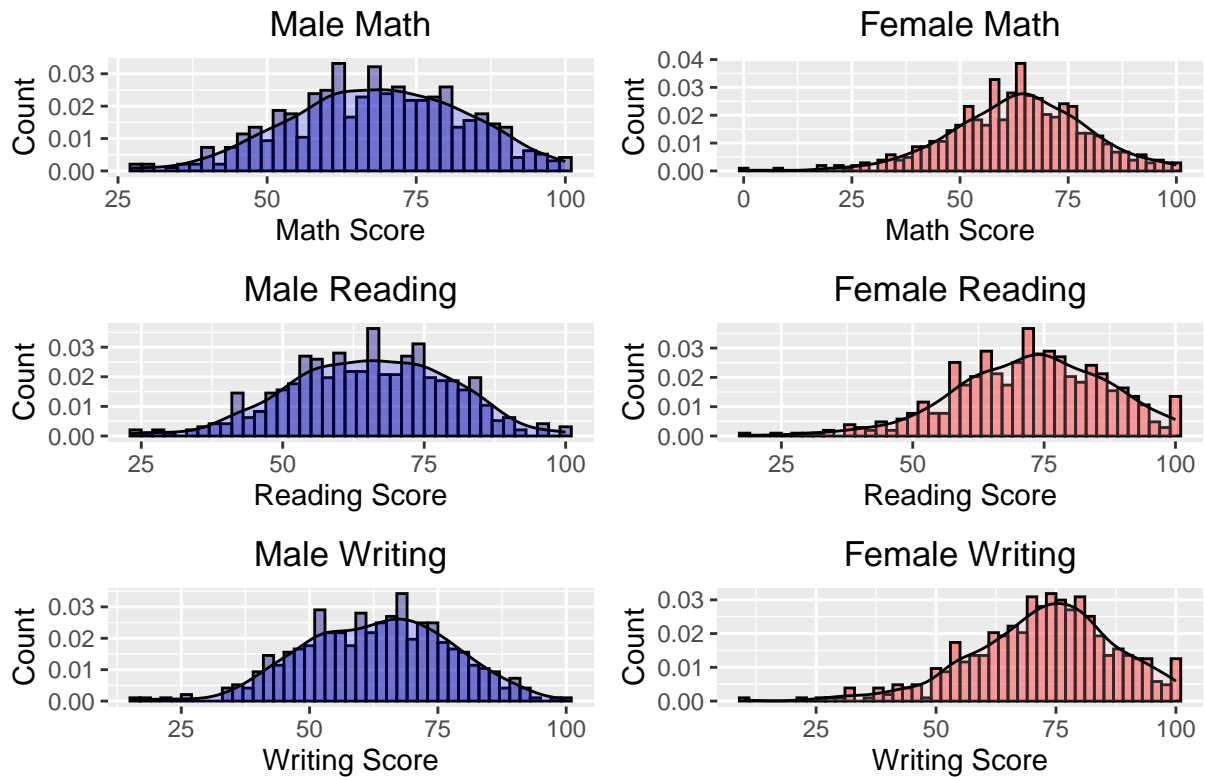
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The goal of this project is to gain insights on classroom performance. We will begin with a series of visualizations and conclude with a predictive model.

We will begin by examining the distribution of subject specific scores across gender.

Distribution of Scores across Gender



Mean Scores

| Gender | Math | Reading | Writing |
|--------|-------|---------|---------|
| Male | 68.73 | 65.47 | 63.31 |
| Female | 63.63 | 72.61 | 72.47 |

We can see that male's tend to score higher in Math while female's tend to score higher in Reading and Writing. The 'why' to this question is an interesting question in and of itself.

Next, we want to look at the effect of parental level of education on subject scores.