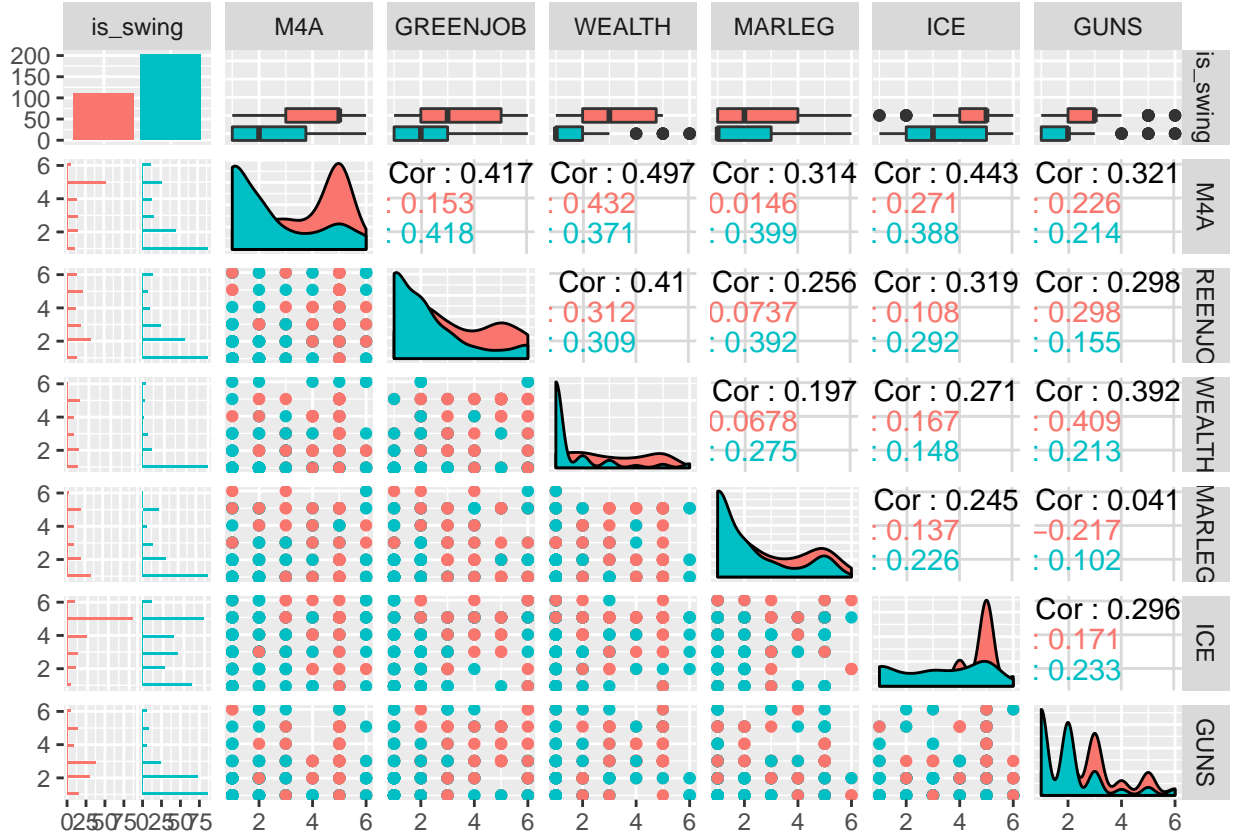# Mini Project 2

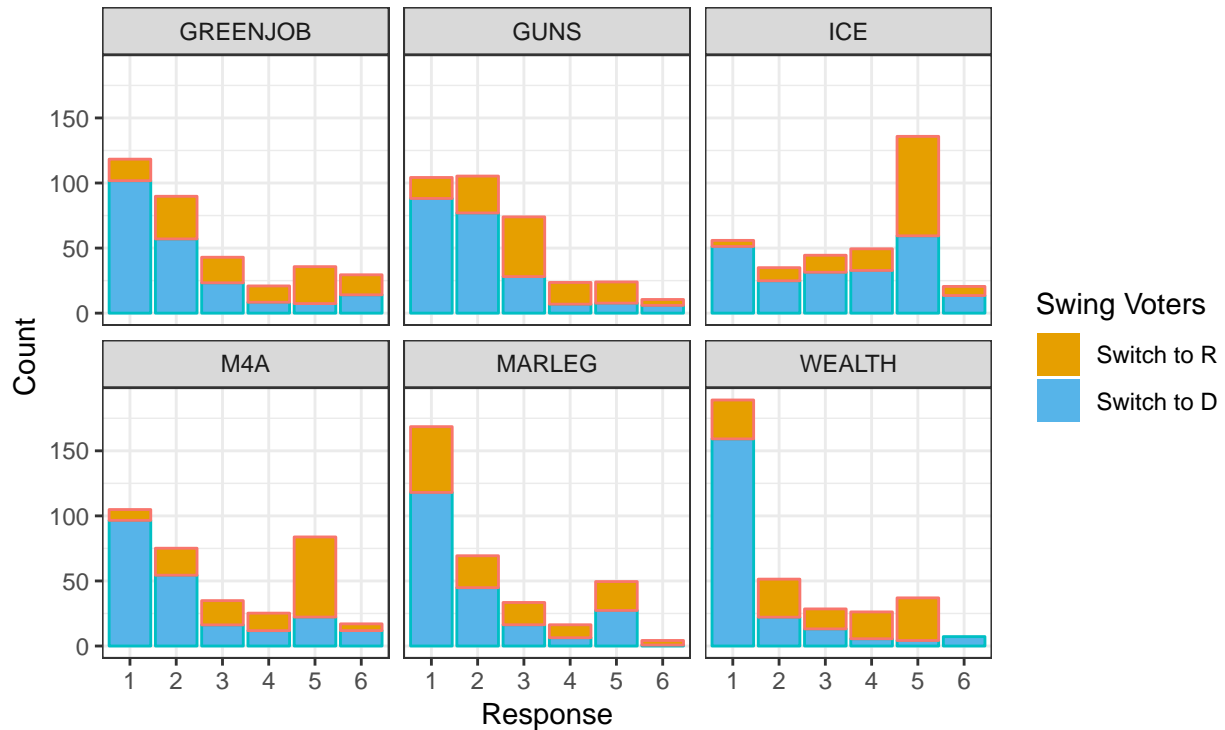*Ankit Mathur, Nitesh Singh Jaswal*

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Solution 1:

Let us first visualize the ggpairs plot to get the feel of the data:

We can already get an idea of how the distribution of the response of the Switch to R/ Switch to D voters varies on the various issue variables. To further analyze the data, by plotting the histograms of the response of each issue variable for both the switch voters.

Distribution of response on Issue Variables for Switch to D/R voters

Response Values: 1. Strongly support 2. Somewhat support 3. Neither support nor oppose
4. Somewhat oppose 5. Strongly oppose 6. Not sure

- From the above plot it can be observed that the Switch to D voters have a strong opinion on the issue variables GREENJOB, GUNS, M4A, MARLEG and WEALTH whereas the Switch to R voters have a strong opinion on ICE, MARLEG and M4A.
- The Switch to R and Switch to D voters differ strongly on issue variable M4A. The Switch to R voters show a peak on the response value 5(Strongly oppose) whereas the Switch to D voters peak on response value 1 (Strongly support).
- The Switch to R and Switch to D voters behave rather similarly on the issue of Marijuana Legalization (MARLEG) with both of their histograms peaking on response value 1 (Strongly support) and then decreasing from there on.
- It is interesting to note that the Switch to D voters show a much more homogenous response on many of the issue variables compared to Switch to R voters who demonstrate a more divided opinion.