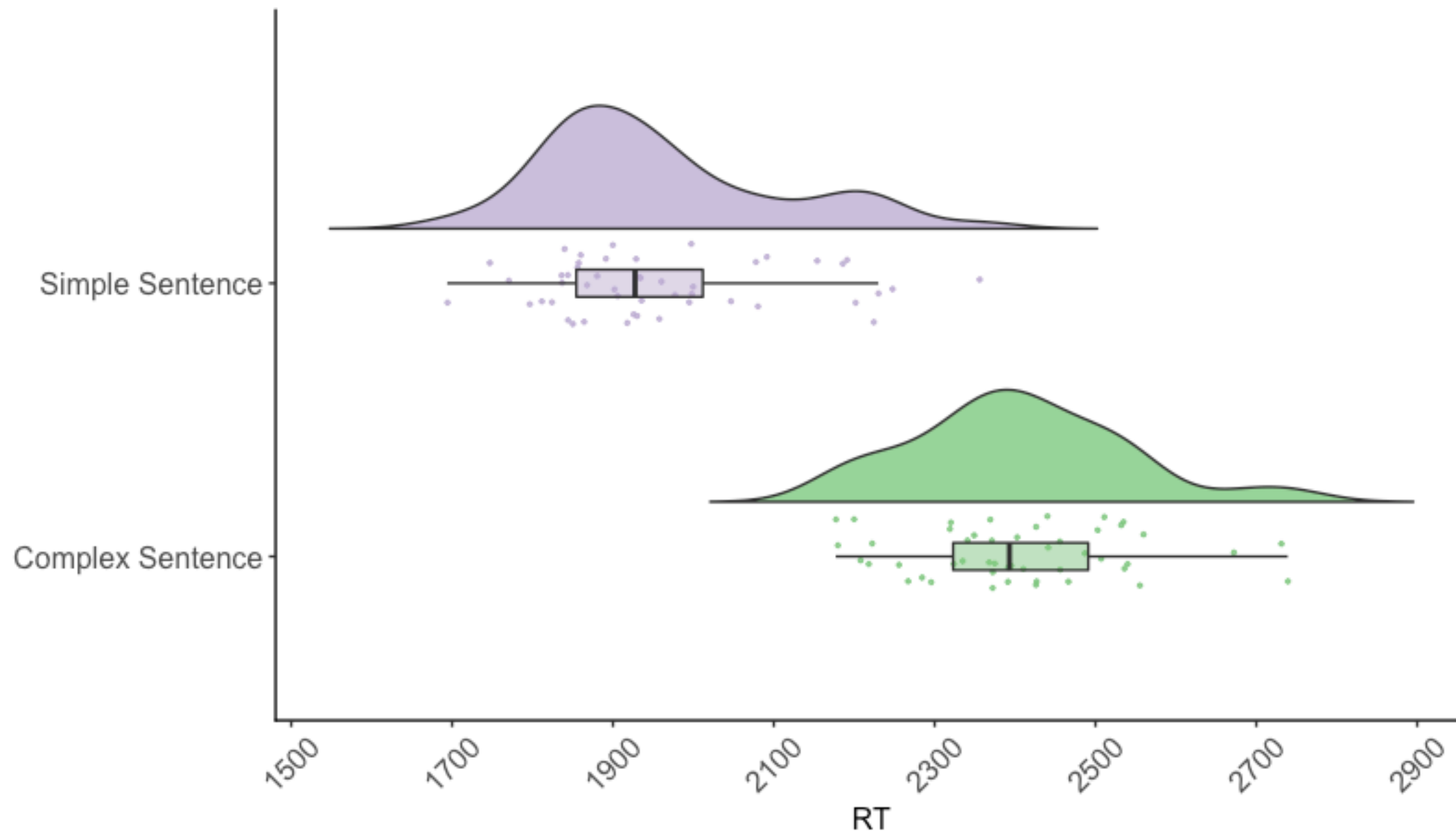
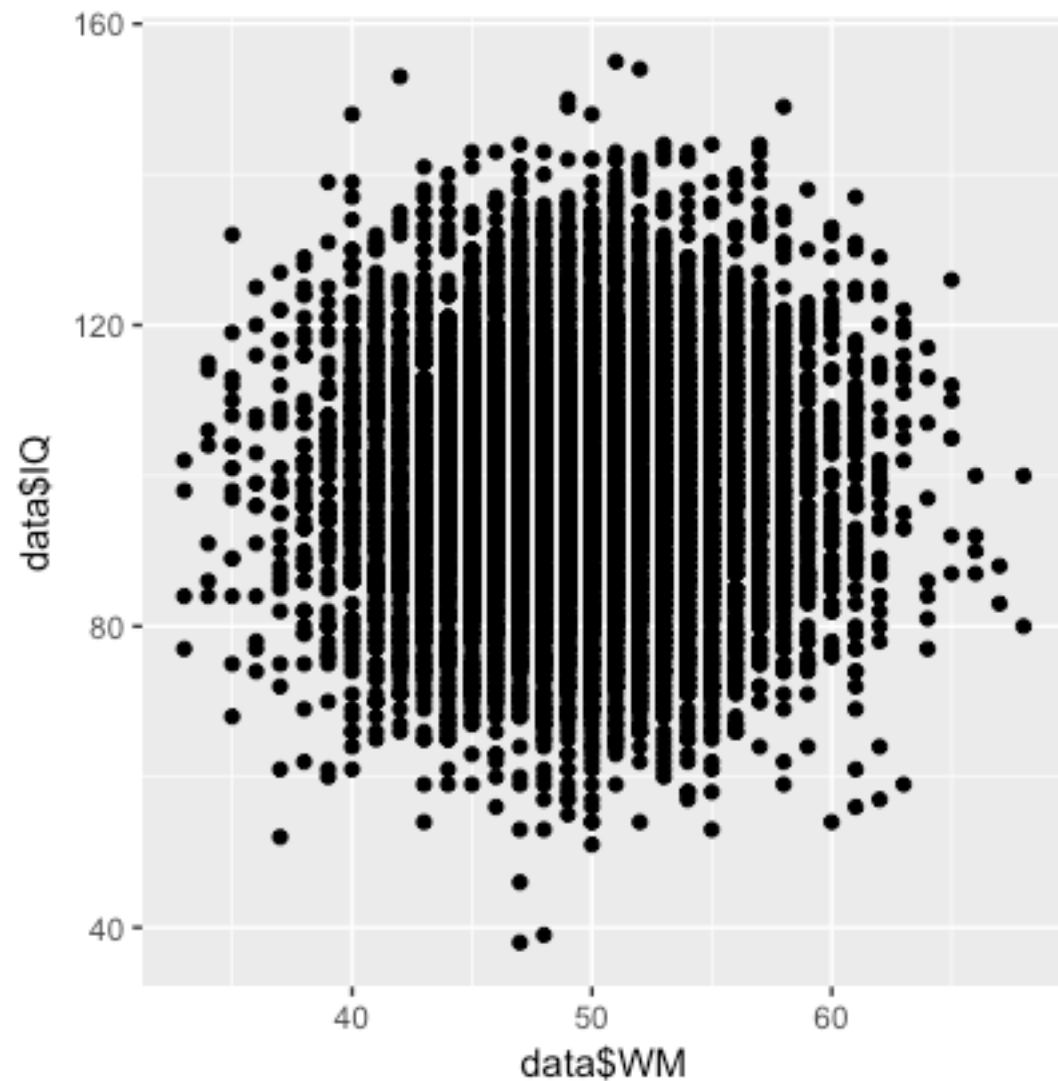


Raincloud Plots



Developed by Micah Allen (UCL), raincloud plots allow you to see the raw data, and the shape of the distribution alongside a box plot (capturing the median, 25th and 75th percentiles as hinges, and $1.5 * \text{IQR}$ from the hinges as the whisker length.)

Plotting IQ against WM for our 10,000 participants



The problem of over-plotting - as we have many data points, a number are plotted on top of each other so it is tricky to get a feel for the data.

```
ggplot(data, aes(x = WM, y = IQ)) + geom_point()
```