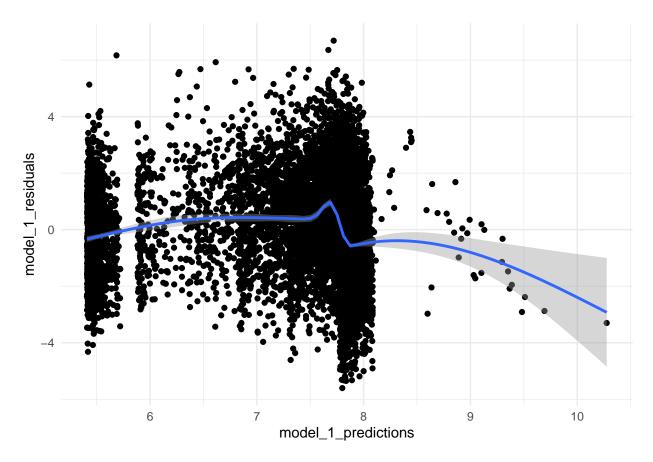
R Notebook

Building the model: $lm(log(views) \sim length + rate, data = df)$

Plotting the model predictions vs residuals to perform an ocular test to verify homoscedasticity.



From the above plot we can see that the model tends to under-predict for larger predictions, leading to negative residuals for upper range of the plot on the x.

Conducting the Breusch-Pagan test to look for evidence of heteroscedasticity.

```
##
## studentized Breusch-Pagan test
##
## data: model_1
## BP = 127.16, df = 2, p-value < 2.2e-16</pre>
```

We get a very small p-value, so we have strong evidence to reject the null hypothesis and conclude that there is some heteroscedasticity in the way residuals are distributed.