

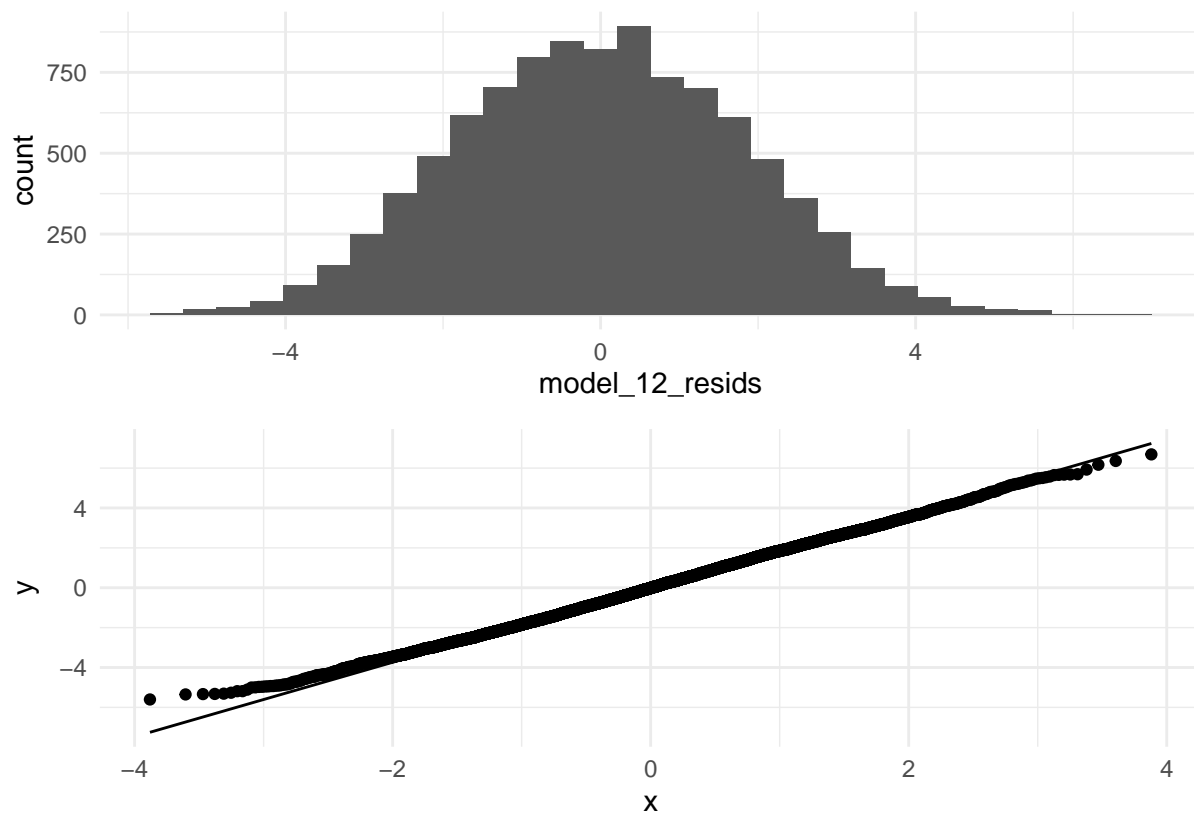
Evaluating the Classical Linear Model Assumptions

Q1.5 Normally Distributed Errors

First the linear regression model was created.

```
model_12 <- lm(log(views) ~ rate + length, data= videos)
```

To assess if the errors are normally distributed a histogram and qq plot were created. The histogram of the residuals reveals a relatively normal distribution. Examination of the qq plot further supports a normal distribution with only slight deviation from the theoretical normal line indicating some thin tails.



Therefore, we conclude that the assumption for Normally Distributed Errors is met.