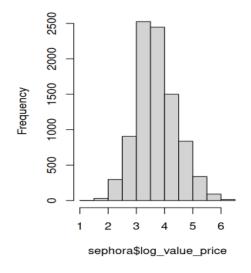
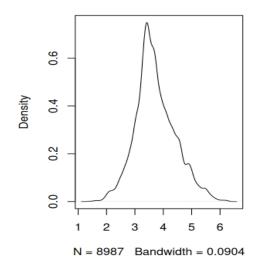
Appendix H

Result of logarithmic transformation of Value Price variable

The logarithmic transformation applied to the "value price" variable resulted in a distribution that approached normality, as evidenced by the histogram, density plot, and QQ plot. This transformation effectively reduced the skewness observed in the original data, leading to a more symmetrical distribution. The QQ plot indicates a close fit to a normal distribution, with only minor outliers. Similarly, the box plot shows a balanced distribution of data points, with relatively few outliers compared to the original data. Overall, the transformation helped mitigate the skewness and improved the distributional properties of the variable.

Histogram and density for value log value_price variable





```
"`{r}
# QQ plot and boxplot

qqnorm(sephora$log_value_price, main = "QQ Plot for log_value_price varible")
qqline(sephora$log_value_price)

boxplot(sephora$log_value_price, horizontal = TRUE)
```

QQ and box plots for log value_price variable

