```
```{r}
model.price <- glm(online_only ~ log_price, family = binomial, data = sephora)</pre>
sum_model.price <- summary(model.price)</pre>
sum_model.price
...
Call:
glm(formula = online_only ~ log_price, family = binomial, data = sephora)
Coefficients:
 Estimate Std. Error z value Pr(>|z|)
(Intercept) -2.3015 0.1370 -16.796 <2e-16 ***
log_price 0.2994
 0.0357 8.385 <2e-16 ***
Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
(Dispersion parameter for binomial family taken to be 1)
 Null deviance: 9791.0 on 8986 degrees of freedom
Residual deviance: 9720.8 on 8985 degrees of freedom
AIC: 9724.8
Number of Fisher Scoring iterations: 4
Wald test for Log Price variable
```{r}
# Wald test
wald_price <- round(sum_model.price$coefficients[2]/</pre>
sum_model.price$coefficients[2,2],3)
```

$$H_0: \beta_1 = 0$$

$$W = \frac{\hat{\beta_1}}{\hat{SE}(\hat{\beta_1})} = 8.385$$

$$P_-value = 0$$

According to the Wald test, the independent variable "log price" is statistically significant because its p-values is less than the significant level α =0.25