```
Step 2: Initial multivariable model
model with all predictors
```{r}
# Fit model with all predictors
model.multiv1 <- glm(online_only ~ limited_edition + exclusive + log_price +</pre>
log value price + log love, family = binomial, data = sephora)
# residual deviance for full model residual deviance full model <-
round(model.multiv1$deviance,2)
residual_deviance_full_model
٠.,
Residual deviance full model: 8649.08
Statistical summary full model
```{r}
# summary for full model
sum_model.multiv1 <- summary(model.multiv1)</pre>
sum_model.multiv1
Call:
glm(formula = online only ~ limited edition + exclusive + log price +
   log value price + log love, family = binomial, data = sephora)
Coefficients:
              Estimate Std. Error z value Pr(>|z|)
               3.17630 0.23374 13.589 < 2e-16 ***
(Intercept)
limited edition1 0.42064 0.09348 4.500 6.80e-06 ***
               exclusive1
```

...

term	estimate	std.error	statistic	p.value
(Intercept)	3.1763013	0.2337367	13.589230	0.00e+00
limited_edition1	0.4206406	0.0934812	4.499735	6.80e-06
exclusive1	-0.3059004	0.0670354	-4.563268	5.00e-06
log_price	-0.9073637	0.2394465	-3.789421	1.51e-04
log_value_price	0.9499019	0.2348656	4.044448	5.24e-05
log_love	-0.5513137	0.0197882	-27.860737	0.00e+00

 $g_{(online_only)} = 3.176 + 0.421*limited_edition - 0.306*exclusive \ -0.907*Log_price + 0.95*Log_value_price - 0.551314*Log_love$