**Step4.01: Association between Content Characteristics and Probability of Ephemerality**

*Stepwise logistic regression analysis (six parent codes)*

*Script: step4.01.Rmd*

**Summary:**

I conducteda stepwise logistic regression to examine whether the presence of six high-level content characteristics (i.e., addiction language, algospeak, signaling, visible scars, explicit NSSI language, and trigger warnings) were associated with the probability that NSSI content would become ephemeral. The stepwise procedure used Akaike Information Criterion (AIC) to iteratively remove variables that did not improve model fit.

**Interpretation of Results:**

The final model retained two predictors: explicit NSSI language and trigger warnings. Explicit NSSI language was a significant negative predictor of ephemerality (β = –0.48, *p* = .003), indicating that videos containing more overt references to self-injury were less likely to become ephemeral. In contrast, the presence of a trigger warning was positively associated with ephemerality (β = 0.58, *p* = .099), though this association did not reach conventional levels of statistical significance.

**Outputs**

Start: AIC=1217.46

availability ~ addiction\_language + algospeak + signaling + visible\_scars + explicit\_language + trigger\_warning

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Df** | **Deviance** | **AIC** |
| - Visible scars | 1 | 1203.5 | 1215.5 |
| - Signaling | 1 | 1203.5 | 1215.5 |
| - Algospeak | 1 | 1204.2 | 1216.2 |
| - Addiction language | 1 | 1204.5 | 1216.5 |
|  |  | 1203.5 | 1217.5 |
| - Trigger warning | 1 | 1205.6 | 1217.6 |
| - Explicit language | 1 | 1209.5 | 1221.5 |

Step: AIC=1215.49

availability ~ addiction\_language + algospeak + signaling + explicit\_language + trigger\_warning

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Df** | **Deviance** | **AIC** |
| - Signaling | 1 | 1203.6 | 1213.6 |
| - Algospeak | 1 | 1204.4 | 1214.4 |
| - Addiction language | 1 | 1204.7 | 1214.7 |
|  |  | 1203.5 | 1215.5 |
| - Trigger warning | 1 | 1205.6 | 1215.6 |
| + Visible scars | 1 | 1203.5 | 1217.5 |
| - Explicit language | 1 | 1209.6 | 1219.6 |

Step: AIC=1213.59

availability ~ addiction\_language + algospeak + explicit\_language + trigger\_warning

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Df** | **Deviance** | **AIC** |
| - Algospeak | 1 | 1204.4 | 1212.4 |
| - Addiction language | 1 | 1204.7 | 1212.7 |
|  |  | 1203.6 | 1213.6 |
| - Trigger warning | 1 | 1205.7 | 1213.7 |
| + Signaling | 1 | 1203.5 | 1215.5 |
| + Visible scars | 1 | 1203.5 | 1215.5 |
| - Explicit language | 1 | 1211.0 | 1219.0 |

Step: AIC=1212.41

availability ~ addiction\_language + explicit\_language + trigger\_warning

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Df** | **Deviance** | **AIC** |
| - Addiction language | 1 | 1205.6 | 1211.6 |
|  |  | 1204.4 | 1212.4 |
| - Trigger warning | 1 | 1207.0 | 1213.0 |
| + Algospeak | 1 | 1203.6 | 1213.6 |
| + Visible scars | 1 | 1204.2 | 1214.2 |
| + Signaling | 1 | 1204.4 | 1214.4 |
| - Explicit language | 1 | 1213.2 | 1219.2 |

Step: AIC=1211.56

availability ~ explicit\_language + trigger\_warning

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Df** | **Deviance** | **AIC** |
|  |  | 1205.6 | 1211.6 |
| - Trigger warning | 1 | 1208.1 | 1212.1 |
| + Addiction language | 1 | 1204.4 | 1212.4 |
| + Algospeak | 1 | 1204.7 | 1212.7 |
| + Visible scars | 1 | 1205.2 | 1213.2 |
| + Signaling | 1 | 1205.5 | 1213.5 |
| - Explicit language | 1 | 1214.6 | 1218.6 |

Coefficients:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Estimate Std.** | **Error** | **z Value** | **Pr(>|z|)** |
| (Intercept) | -1.27952 | 0.08536 | -14.989 | < 2e-16 \*\*\* |
| Explicit language | -0.47686 | 0.16286 | -2.928 | 0.00341 \*\* |
| Trigger warning | 0.58322 | 0.35330 | 1.651 | 0.09878 . |
| Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1 | | | | |

Odds Ratio:

|  |  |  |
| --- | --- | --- |
|  | **2.5%** | **97.5%** |
| (Intercept) | 0.2346802 | 0.3280117 |
| Explicit language | 0.4483305 | 0.8496906 |
| Trigger warning | 0.8648423 | 3.4991506 |

**Final Model**

| **Predictor** | **Estimate** | **Std. Error** | **z value** | ***p*-value** | **Odds Ratio** | **95% CI (OR)** |
| --- | --- | --- | --- | --- | --- | --- |
| (Intercept) | –1.280 | 0.085 | –14.99 | < .001 \*\*\* | 0.28 | [0.23, 0.33] |
| Explicit language | –0.477 | 0.163 | –2.93 | .003 \*\* | 0.62 | [0.45, 0.85] |
| Trigger warning | 0.583 | 0.353 | 1.65 | .099 † | 1.79 | [0.86, 3.50] |
| Signif. codes: \*\*\* p < .001, \*\* p < .01, † p < .10 | | | | | | |