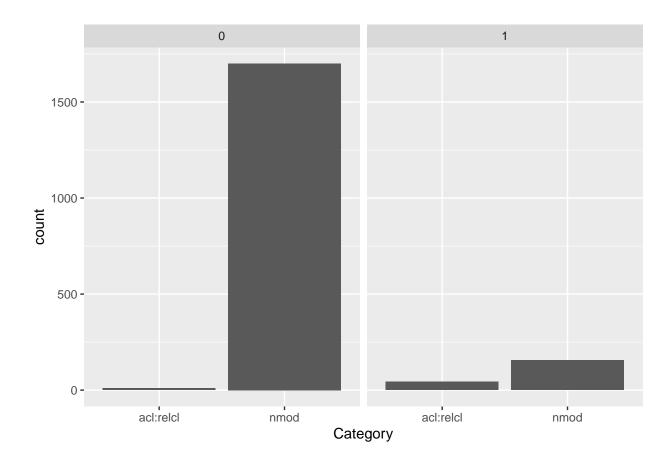
Right Extraposition

2024-05-07

Dialgoue Data

1. Processing the Data

```
##
                                                                                              File
## 1 ../Dialouge Corpus Filttered/parse_gold_filttered\\Phase1\\Phase1_gold\\hi_1385_gold.conllu
## 2 ../Dialouge Corpus Filttered/parse_gold_filttered\\Phase1\\Phase1_gold\\hi_1385_gold.conllu
## 3 ../Dialouge Corpus Filttered/parse_gold_filttered\\Phase1\\Phase1_gold\\hi_1385_gold.conllu
## 4 ../Dialouge Corpus Filttered/parse_gold_filttered\\Phase1\\Phase1_gold\\hi_1385_gold.conllu
## 5 ../Dialouge Corpus Filttered/parse_gold_filttered\\Phase1\\Phase1_gold\\hi_1385_gold.conllu
## 6 ../Dialouge Corpus Filttered/parse_gold_filttered\\Phase1\\Phase1_gold\\hi_1385_gold.conllu
     Sent_ID
##
                                                                      Sentence
## 1
          29
## 2
          73
                                         [incomprehensible]
## 3
          94
## 4
          94
## 5
         124
## 6
         157
     Length Category dep_Length Dependency.Length Type
## 1
                nmod -0.8087416
                                        -0.7003707
## 2
          7
                nmod -0.1268124
                                        -0.6255117
                                                      0
## 3
         16
                nmod -0.8087416
                                        -0.5399585
                                                      0
## 4
         16
                nmod 1.2370460
                                        -0.5399585
                                                      0
          9
## 5
                nmod 0.5551168
                                         0.3155728
                                                      0
## 6
         12
                nmod -0.8087416
                                         1.0213862
```



3. Fitting generalized lin- ear mode

##

```
m_com <- glm(Type~dep_Length*Dependency.Length,</pre>
             data=Combined_data,
             family = "binomial")
summary(m_com)
##
## glm(formula = Type ~ dep_Length * Dependency.Length, family = "binomial",
##
       data = Combined_data)
##
## Deviance Residuals:
##
       Min
                 1Q
                      Median
                                   ЗQ
                                           Max
## -1.8203 -0.4422 -0.4230 -0.3667
                                        2.6763
##
## Coefficients:
##
                                Estimate Std. Error z value Pr(>|z|)
## (Intercept)
                                -2.27837
                                            0.08108 -28.099 < 2e-16 ***
## dep_Length
                                 0.50721
                                            0.06728
                                                      7.539 4.74e-14 ***
## Dependency.Length
                                -0.03435
                                            0.08288 -0.414
                                                              0.6786
## dep_Length:Dependency.Length 0.16061
                                            0.06732
                                                      2.386
                                                              0.0171 *
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
```

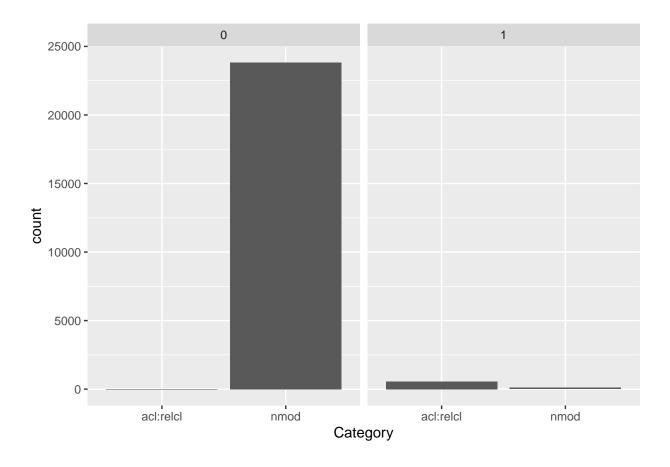
```
## (Dispersion parameter for binomial family taken to be 1)
##
## Null deviance: 1276.4 on 1908 degrees of freedom
## Residual deviance: 1184.9 on 1905 degrees of freedom
## AIC: 1192.9
##
## Number of Fisher Scoring iterations: 5
```

Written Text Data (HDTB)

1. Processing the Data

```
##
                                                      File Sent ID
## 1 ../UD_Hindi-HDTB/Phase1\\gold\\hi_hdtb-ud-dev.conllu
## 2 ../UD_Hindi-HDTB/Phase1\\gold\\hi_hdtb-ud-dev.conllu
## 3 ../UD_Hindi-HDTB/Phase1\\gold\\hi_hdtb-ud-dev.conllu
## 4 ../UD_Hindi-HDTB/Phase1\\gold\\hi_hdtb-ud-dev.conllu
## 5 ../UD_Hindi-HDTB/Phase1\\gold\\hi_hdtb-ud-dev.conllu dev-s1
## 6 ../UD_Hindi-HDTB/Phase1\\gold\\hi_hdtb-ud-dev.conllu dev-s2
##
## 1
                                       483
## 2
                                       483
## 3
                                       483
## 4
                                       483
## 5
                                       483
## 6
##
     Length Category dep_Length Dependency.Length Type
## 1
         24
                nmod -0.1899218
                                        0.2595706
## 2
         24
                nmod 0.1104248
                                        0.2595706
                                                      0
## 3
         24
                nmod 0.7111179
                                        0.2595706
                                                      0
## 4
         24
                nmod 1.0114645
                                        0.2595706
                                                      0
## 5
         24
                nmod -0.7906150
                                        0.2595706
                nmod -0.4902684
## 6
         15
                                        -0.8028540
                                                      0
```

Sentence



3. Fitting generalized linear mode

dep_Length:Dependency.Length -0.10705

##

Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1

```
m_com_txt <- glm(Type~dep_Length*Dependency.Length,</pre>
             data=Combined_data_txt,
             family = "binomial")
summary(m_com_txt)
##
## glm(formula = Type ~ dep_Length * Dependency.Length, family = "binomial",
##
       data = Combined_data_txt)
##
## Deviance Residuals:
##
       Min
                      Median
                 1Q
                                   ЗQ
                                            Max
## -3.1795 -0.1745 -0.1332 -0.1284
                                         3.1781
##
## Coefficients:
##
                                Estimate Std. Error z value Pr(>|z|)
## (Intercept)
                                -4.29007
                                             0.05787 -74.136 < 2e-16 ***
## dep_Length
                                 0.97522
                                             0.02626 37.139 < 2e-16 ***
## Dependency.Length
                                -0.02918
                                             0.05605 -0.521
                                                                0.603
```

0.01886 -5.677 1.37e-08 ***

```
## (Dispersion parameter for binomial family taken to be 1)
##
## Null deviance: 5956.6 on 24481 degrees of freedom
## Residual deviance: 4425.3 on 24478 degrees of freedom
## AIC: 4433.3
##
## Number of Fisher Scoring iterations: 7
```