Model: Logistic Regression (Applied on all features except doc2vec)

Parameters: solver = 'lbfgs', penalty = 'l2', multi\_class = 'multinomial'

A screenshot of a cell phone

Description automatically generated

Model: Logistic Regression (Doc2vec)

Parameters: solver = 'lbfgs'

A screenshot of a social media post

Description automatically generated

Model: Logistic Regression (tf-idf)

A screenshot of a social media post

Description automatically generated