CAPSTONE PROJECT

FAKE NEWS

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OUTLINE

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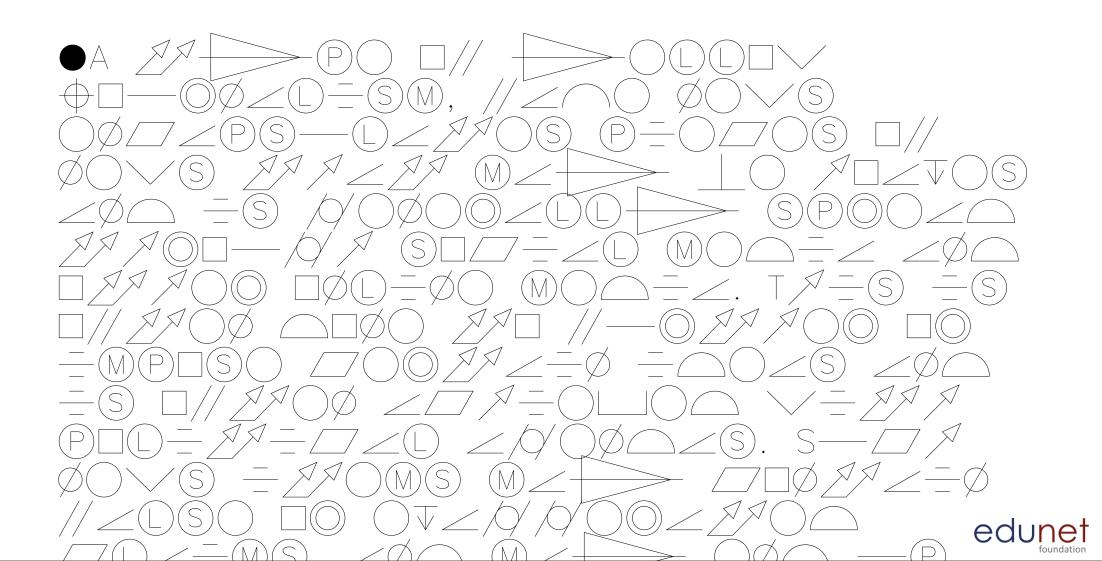
INTRODUCTION

OFAKE NEWS SPREADS LIKE A WILDLIFE AND THIS IS A BIG ISSUE IN THIS ERA.

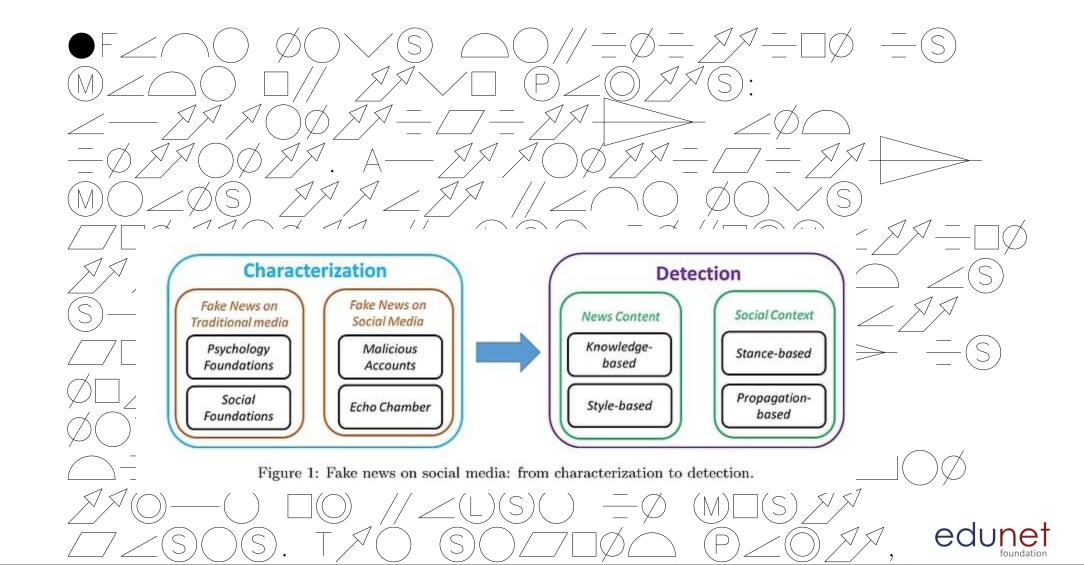
FOR SOME YEARS, MOSTLY SINCE THE RISE OF SOCIAL MEDIA, FAKE NEWS HAVE BECOME A SOCIETY PROBLEM, IN SOME OCCASION SPREADING MORE AND FASTER THAN THE TRUE INFORMATION, IN THIS PAPER I EVALUATE THE PERFORMANCE OF ATTENTION MECHANISM FOR FAKE NEWS DETECTION ON TWO DATASETS, ONE CONTAINING TRADITIONAL ONLINE NEWS ARTICLES AND THE SECOND ONE NEWS FROM VARIOUS SOURCES.



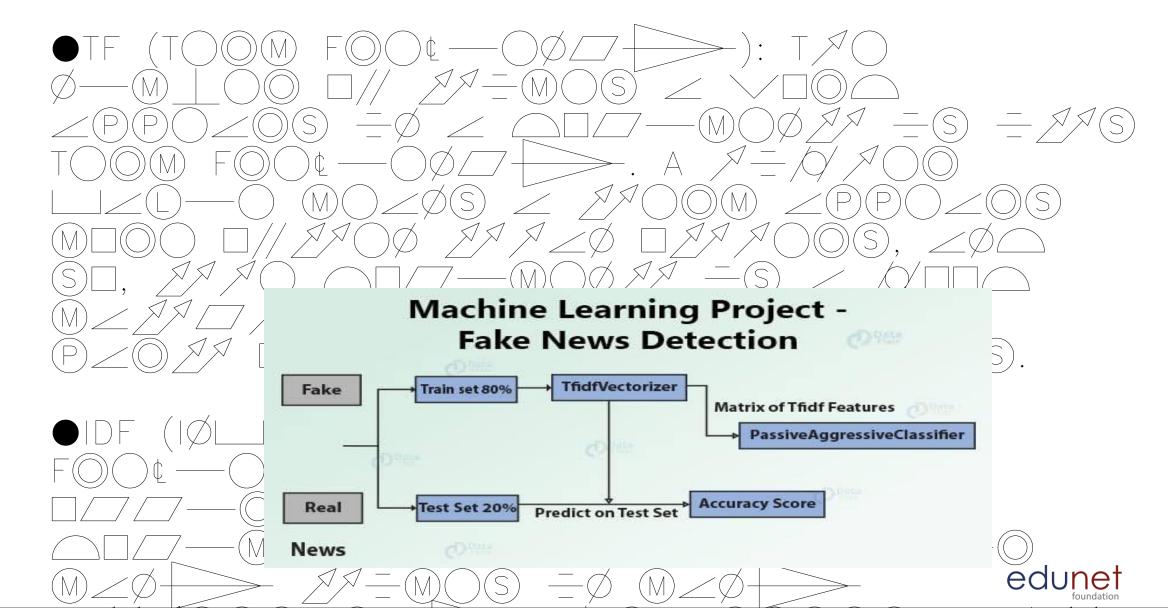
WHAT IS FAKE NEWS .. (ST)



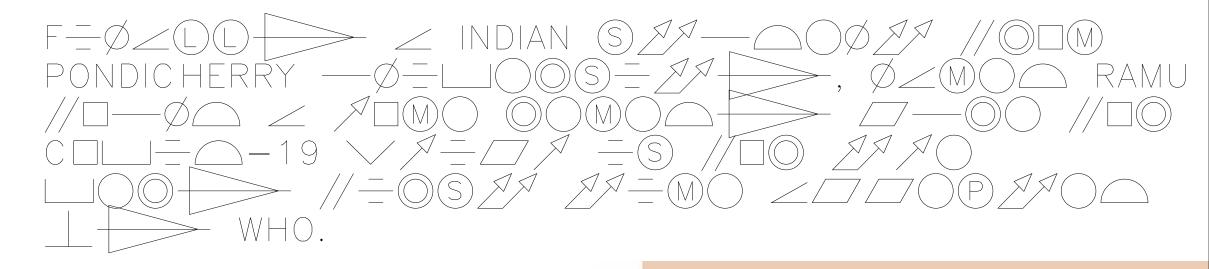
FAKE NEWS CHARACTERIZATION

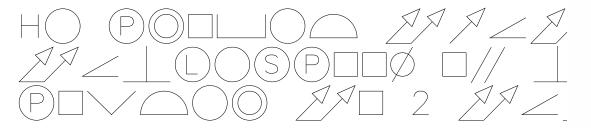


WHAT IS TFIDFVECTORIZER



EXAMPLE

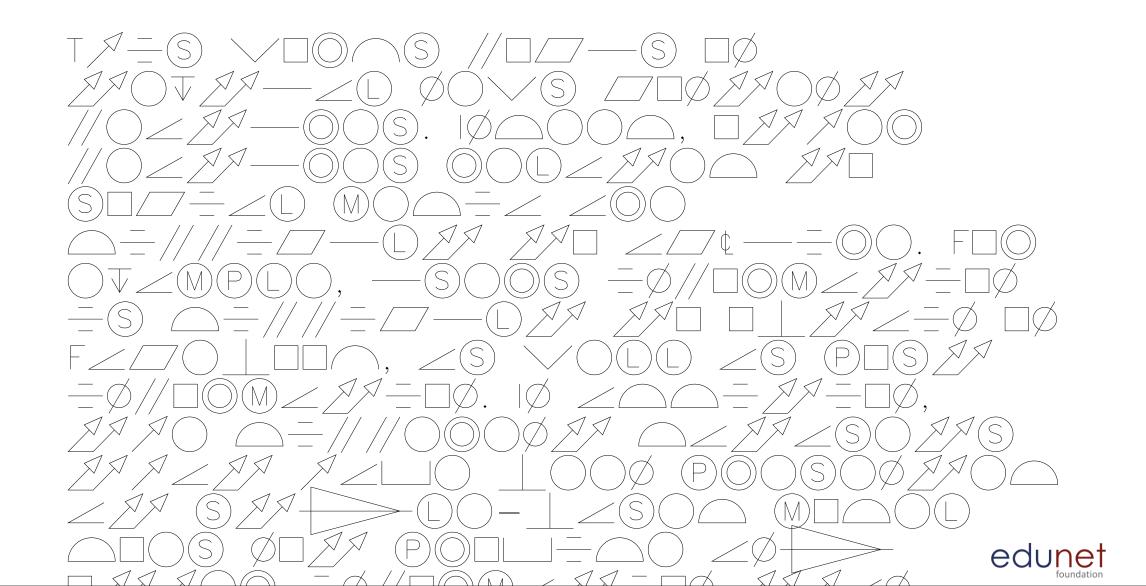


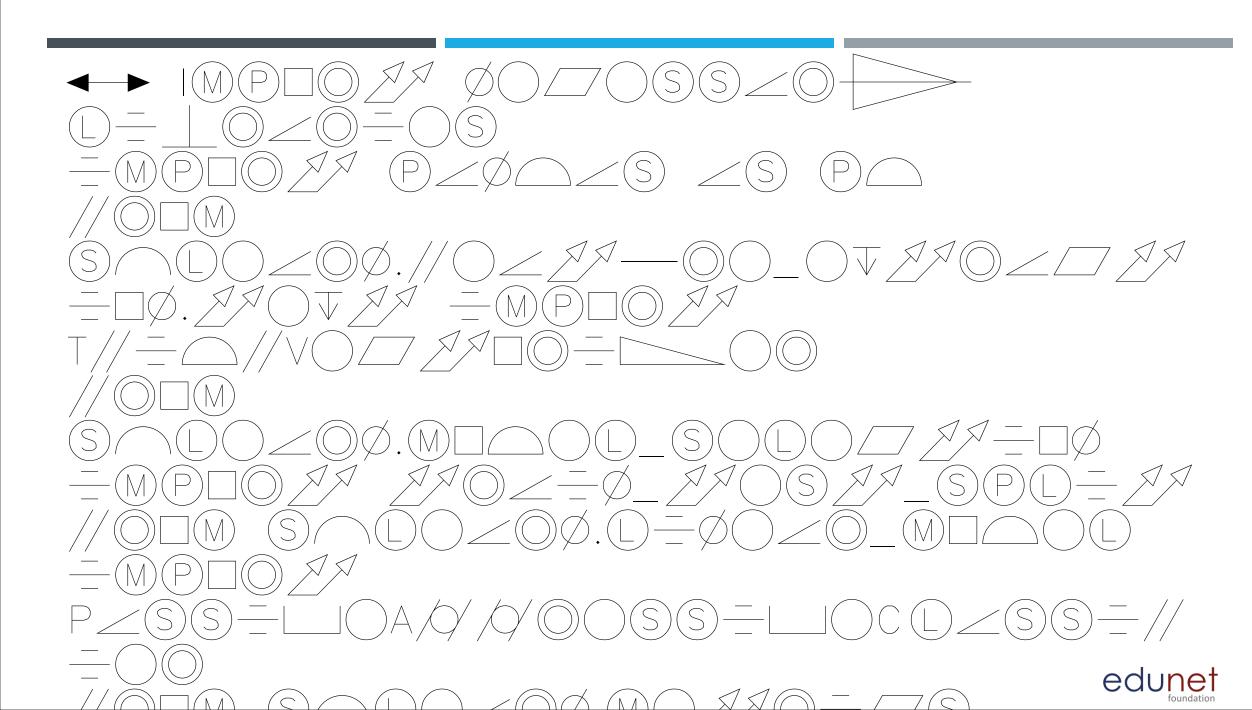






CONCLUSION





```
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)
                               # Initialize TfidfVectorizer
         tfidf_vectorizer = TfidfVectorizer(stop_words='english', max_df=0.7)
                         # Fit and transform the training data
                  tfidf_train = tfidf_vectorizer.fit_transform(X_train)
                             # Transform the testing data
                     tfidf test = tfidf vectorizer.transform(X test)
                         # Initialize PassiveAggressiveClassifier
                    pac = PassiveAggressiveClassifier(max iter=50)
                        # Train the PassiveAggressiveClassifier
                               pac.fit(tfidf train, y train)
                             # Predict on the testing data
                            y_pred = pac.predict(tfidf_test)
                               # Calculate the accuracy
                      accuracy = accuracy score(y test, y pred)
                             print(f'Accuracy: {accuracy}')
```



Example usage # Replace 'fake_news_article.txt' with the path to your fake news article fake_news_article = ["Your fake news article here"] fake_news_article_tfidf = tfidf_vectorizer.transform(fake_news_article) prediction = pac.predict(fake_news_article_tfidf) print(f'Prediction: {prediction}')



THANK YOU

