Fake News Detection

Mina Hany : TF-IDF feature extraction

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Chapter 1

Introduction

Chapter 2

Code Implementation

Preprocessing:

The preprocessing steps

Visualization:

Figure 2.1: Word cloud

Text Transformation:

We used three transformation techniques,

• BOW

SVM with BOW:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Model | Training Accuracy | Testing Accuracy | Accuracy | Recall | Prescision | F1-measure | AUC Value |
| SVM |  |  |  |  |  |  |  |

Figure 2.2: SVM with BOW confusion matrix

Figure 2.3: SVM with BOW Roc curve

KNN with BOW:

Logistic Regression with BOW:

• TF-IDF

• N-gram