

Figure: Data flow diagram

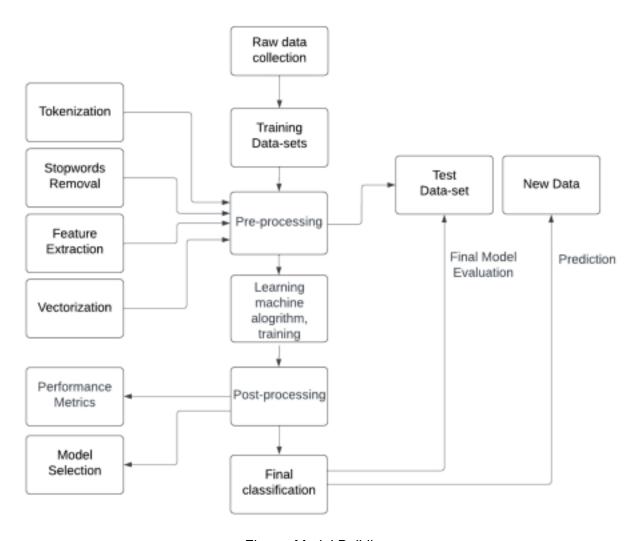


Figure: Model Building

Result Analysis

Machine Learning Classifiers

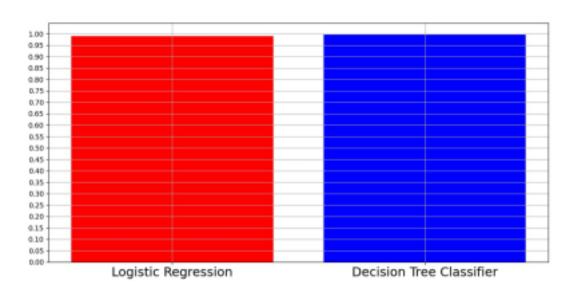
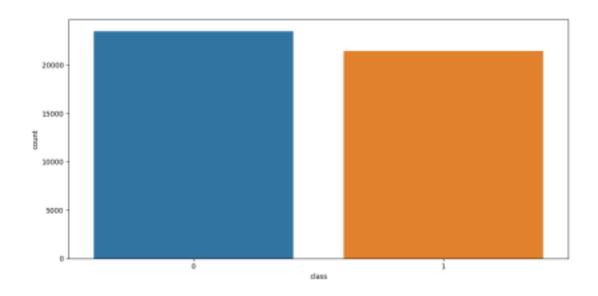


Figure: Bar chart comparison of models



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countries come made united per presidential may presidential may presidential may control un program program political may control un program program house security asked saying wednesday president ministration right administration right change white service north democrat needs administration right change white service north democrat needs foreign billionsecretary change white service north democrat needs washington people call seconomic border british talk congress nuclear sunday obama senatepolice attack think move donald take first country spokesman candidate two syrias republican national mar say reuters law sorre woter of time even reporter percent york are topic hina part korea possible of the country spokesman candidate to the case republican national mar say reuters law sorre woter of time even reporter percent york are topic hina part korea possible trade meeting friday former upower member seedepartment tax region work are topic to make rule court see deepartment tax region work are topic to make rule order trumpsensor lissue decision leader prime back election
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Figure: Image of WordCloud representation of Real news

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took thing law becomes Say muslim real point government for court report anyone year in need general donald made day may see you not support or statement image family to great million conservative first fibrothing family security many help political step administration public war security many believe shown take presidential got former bill children candidate former bill children candidate security many security many presidential many presidential many presidential many every security many presidential many presidential many presidential many presidential many presidential many political security ma
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Figure: Image of WordCloud representation of Fake news

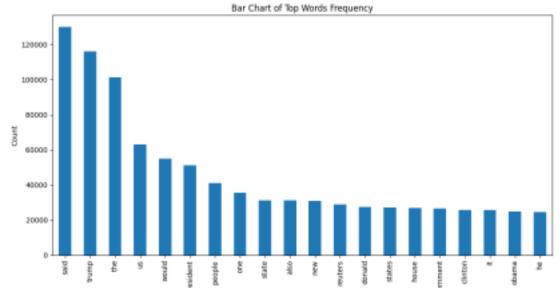


Figure: Bar Charts of top 20 words frequency in dataset

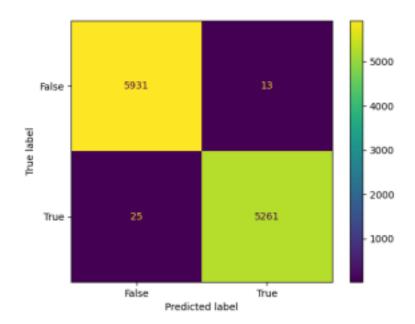


Figure: Confusion matrix depicts comparison between the true label and predicted label

Figure 4.7: Output at Terminal which displays accuracy score of Logistic Regression Clas sifier and Decision Tree Classifier