BBC News Classifier User Guide

Classify News application

1. After the installation of **newsclassifier** wheel using the deployment guide. Fit the BBC news classification models by executing the **FitModel** command as shown in the screenshot below:


```
(machinelearning) C:\Users\mvams\newsclassifier>FitModel
c:\users\mvams\machinelearning\lib\site-packages\sklearn\feature_extraction\text.py:17: DeprecationWarning:
3.8 it will stop working
  from collections import Mapping, defaultdict
```

Figure 1:FitModel command

2. The model fitting process will take ~ 45 minutes and will be followed by the Classify News application launch. Below are the screenshots of the **FitModel** process execution result and the display of Classify News dialog.


```
  from collections import Mapping, defaultdict
127.0.0.1 - - [04/Sep/2018 20:24:17] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [04/Sep/2018 20:24:17] "GET /resources/demos/style.css HTTP/1.1" 404 -
127.0.0.1 - - [04/Sep/2018 20:45:15] "GET /news_type/054.txt HTTP/1.1" 200 -
127.0.0.1 - - [04/Sep/2018 20:46:27] "GET /news_type/102.txt HTTP/1.1" 200 -
127.0.0.1 - - [04/Sep/2018 20:46:37] "GET /news_type/054.txt HTTP/1.1" 200 -
```

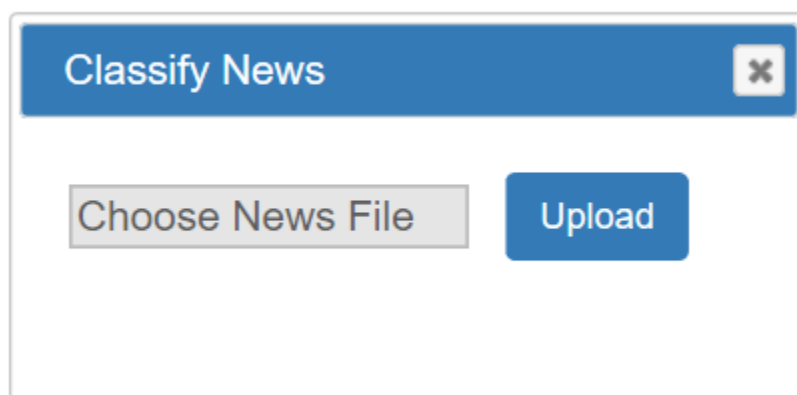Figure 2:FitModel Execution Result

Figure 3:Classify News Dialog

3. Click on the Upload button and browse to site_packages->data->raw->unlabeled folder and select one of the unlabeled text files as shown in the screenshot below.
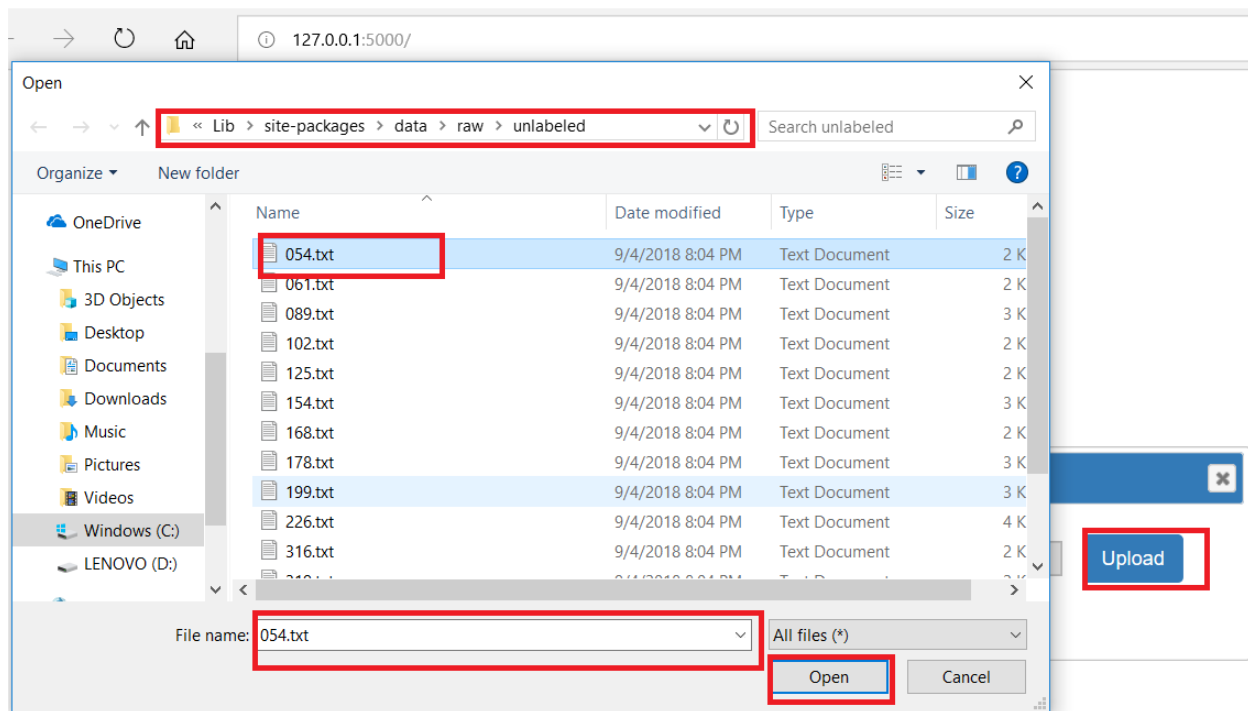
Figure 4: Upload Dialog

After selecting the file click on Open button to kick start the prediction process which will result in prediction of News article category. Below are the screenshots showing the same:
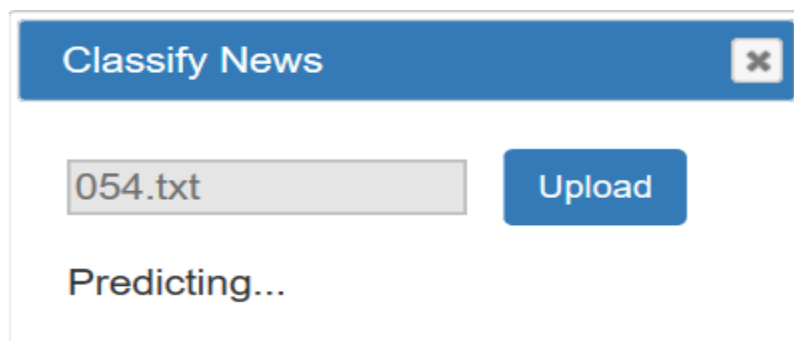

Figure 5: Prediction Progress dialog

Figure 6:Predicted Result and confidence %