Steps to run the software:

1) Change the directory to the folder containing the jar file.

2) There are five options to run the software:

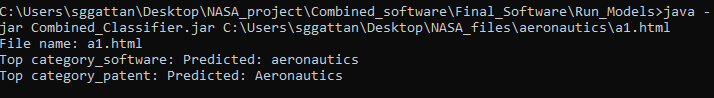
1. To get the prediction from both the patent and software classifier

**Command: java -jar Combined\_Classifier.jar *(path\_to\_file/filename)***

Example: java jar Combined\_Classifier.jar C:\Users\sggattan\Desktop\NASA\_files\ aeronautics\a1.html

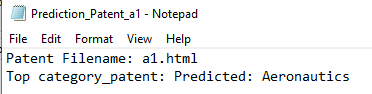
**Output:**

1. Display the predicted class for both classifiers on the command line.



1. Create two files:

**Prediction\_Patent\_(*filename*)**



**Prediction\_Software\_(*filename*)**



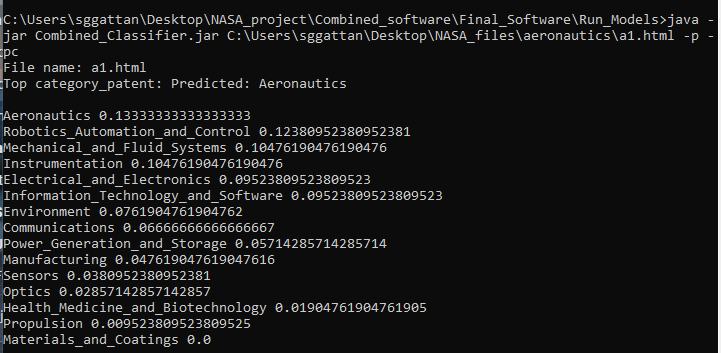
1. To get the prediction from patent classifier with the probability for each class

**Command: java -jar Combined\_Classifier.jar *(path\_to\_file/filemame)* -p -pc**

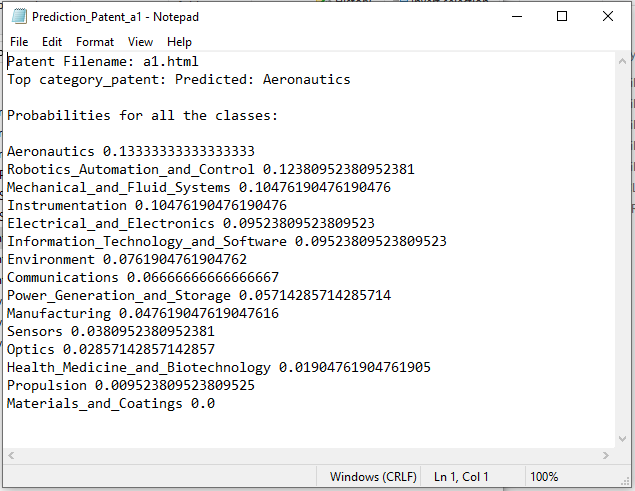
Example: java jar Combined\_Classifier.jar C:\Users\sggattan\Desktop\NASA\_files\ aeronautics\a1.html -p -pc

**Output:**

1. Display the predicted class and probabilities for patent classifier on the command line.



1. Create an output file with name **Prediction\_Software\_(*filename*)**

****

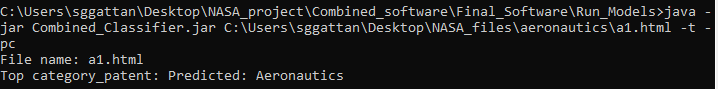
1. To get the prediction from patent classifier with the tag words

**Command: java -jar Combined\_Classifier.jar *(path\_to\_file/filemame)* -t -pc**

Example: java jar Combined\_Classifier.jar C:\Users\sggattan\Desktop\NASA\_files\ aeronautics\a1.html -t -pc

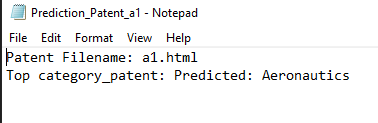
**Output:**

1. Display the predicted class for patent classifier on the command line.

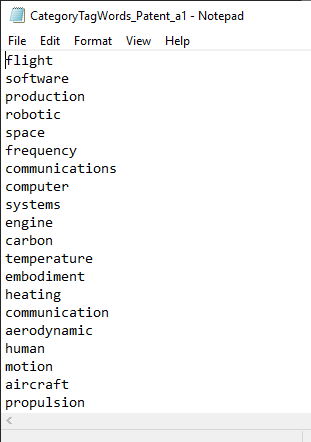


1. Three output files:

**Prediction\_Patent\_(*filename*)**

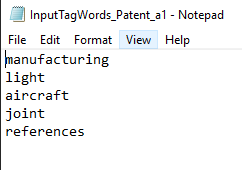
****

**CategoryTagWords\_Patent\_(*filename*)**



Tag words for the predicted category

**InputTagWords\_Patent\_(*filename*)**



Tag words from the input file

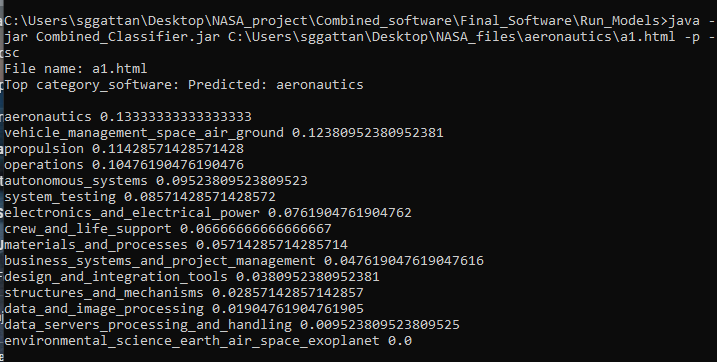
1. To get the prediction from software classifier with the probability for each class

**Command: java -jar Combined\_Classifier.jar *(path\_to\_file/filemame)* -p -sc**

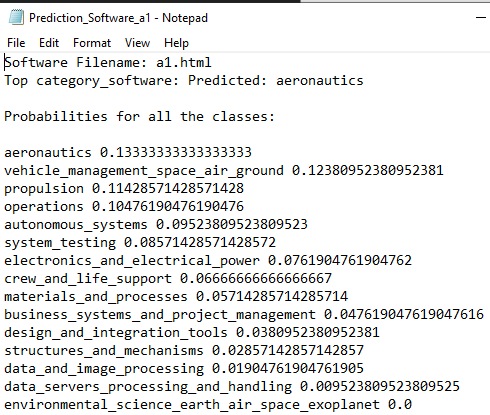
Example: java jar Combined\_Classifier.jar C:\Users\sggattan\Desktop\NASA\_files\ aeronautics\a1.html -s -pc

**Output:**

1. Display the predicted class and probabilities for patent classifier on the command line.



1. Create an output file with name **Prediction\_Software\_(*filename*)**

****

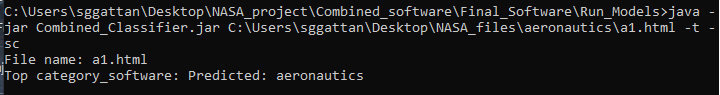
1. To get the prediction from software classifier with the tag words

**Command: java -jar Combined\_Classifier.jar *(path\_to\_file/filemame)* -t -sc**

Example: java jar Combined\_Classifier.jar C:\Users\sggattan\Desktop\NASA\_files\ aeronautics\a1.html -t -sc

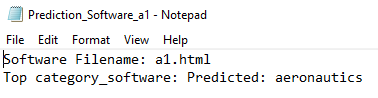
**Output:**

1. Display the predicted class for patent classifier on the command line.

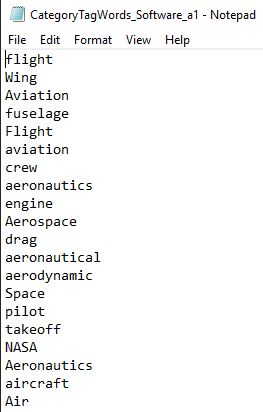


1. Three output files:

**Prediction\_Patent\_(*filename*)**

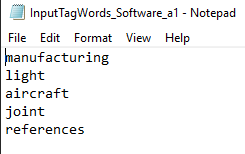
****

**CategoryTagWords\_Patent\_(*filename*)**



Tag words for the predicted category

**InputTagWords\_Patent\_(*filename*)**



Tag words from the input file

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