**Activity 4: Word co-occurrence among multiple documents.**

1. **Bigram**

* As we see, the WordCount on the Cooccurrence Latin Files increases with the number of files with minor drop downs in between.
* This may be because we choose the files in random and hence the size of files is not consistent.
* Also, the overall time taken for execution of Cooccurrence is greater than the classical wordcount.

1. **Trigram**

* As we see, the WordCount on the Cooccurrence Latin Files increases with the number of files.
* The overall time taken for execution of trigram Cooccurrence is greater than the classical wordcount as well as for the bigram cooccurrence.
* Also, the time increases by a considerable amount with increase in number of files. This maybe because trigram calculates two neighbours and increasing the files increases the complexity.