

```
hdfs --daemon start namenode  
hdfs --daemon start datanode
```

```
yarn --daemon start resourcemanager  
yarn --daemon start nodemanager
```

```
javac -classpath "$(hadoop classpath)" -d . AverageColumns.java  
jar cf wc.jar AverageColumns*.class  
hdfs dfs -put input.csv /user/input/  
hadoop jar wc.jar AverageColumns /user/input output  
hdfs dfs -cat output/part-r-00000
```

To delete existing output directory only if it already exists:

```
hdfs dfs -rm -r /user/hdoop/output
```