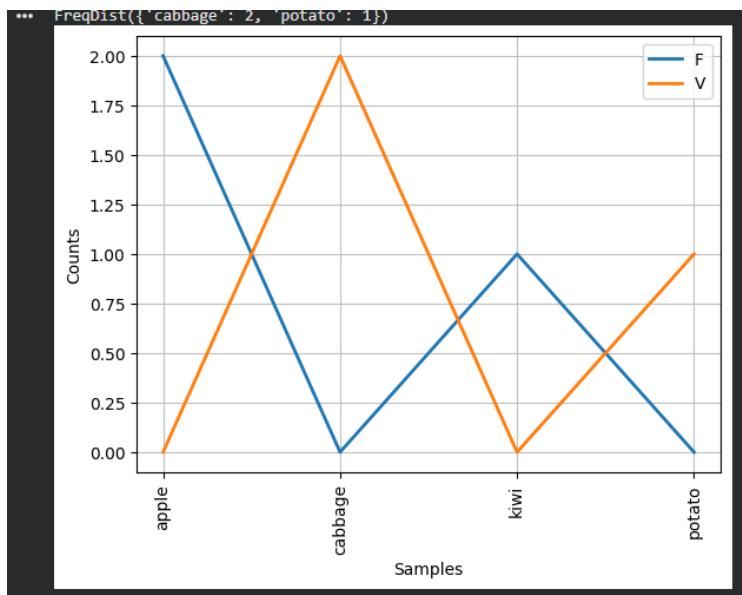
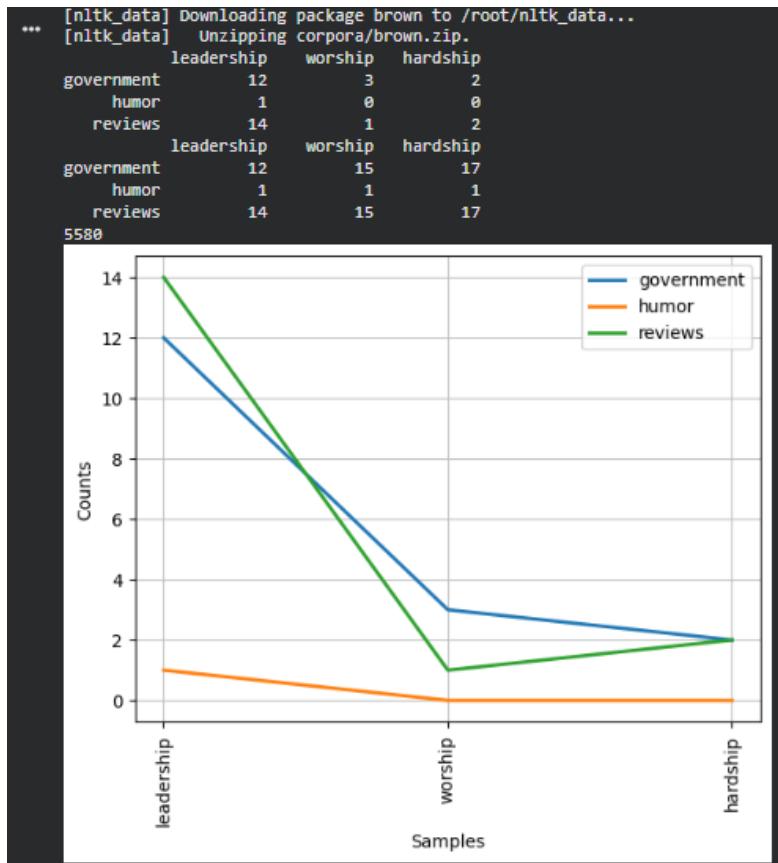


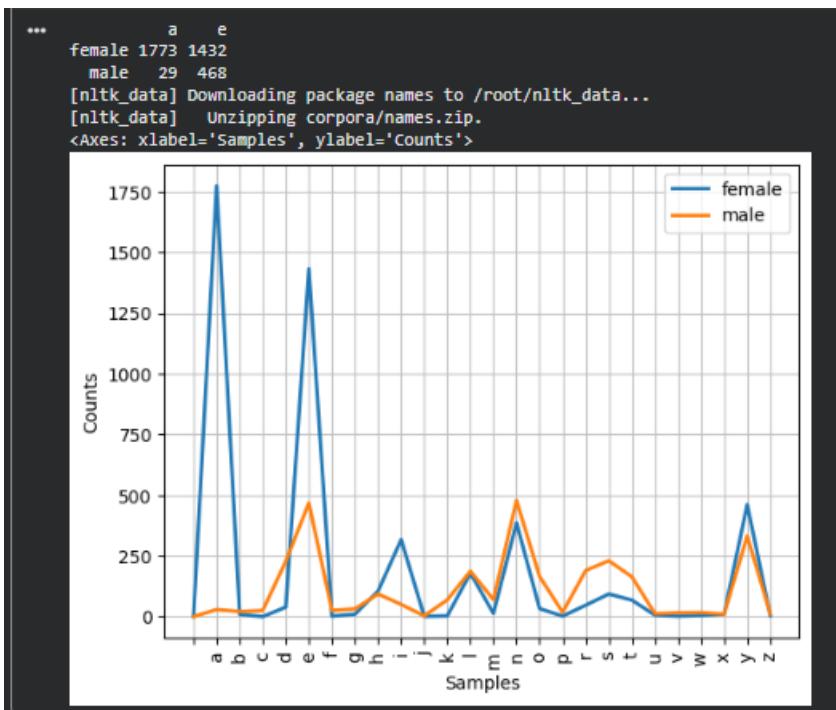
4A:



4B:



4C:



4D:

```
[8] 0s
  def cal_average(num):
      sum_num = 0
      for t in num:
          sum_num = sum_num + t
      avg = sum_num / len(num)
      return avg
  print("The average is", cal_average([18,25,3,41,5]))
...
  ... The average is 18.4
```

4E:

```
  from statistics import mean
  number_list = [45, 34, 10, 36, 12, 6, 80]
  avg = mean(number_list)
  print("The average is ", round(avg,2))
...
  ... The average is 31.86
```

4F:

```
▶ from statistics import mean
  number_list = [45, 34, 10, 36, 12, 6, 80]
  avg = mean(number_list)
  print("The average is ", round(avg,2))

... The average is 31.86
```

4G:

```
▶ from numpy import mean
  number_list = [45, 34, 10, 36, 12, 6, 80]
  avg = mean(number_list)
  print ("The average is ", round(avg,2))

... The average is 31.86
```

4H:

```
▶ import statistics
  sample = [2.74, 1.23, 2.63, 2.22, 3, 1.98]
  print("Variance of sample set is % s" , statistics.variance(sample))

... Variance of sample set is % s 0.40924000000000005
```

4I:

```
... Variance of Sample1 is 15.80952380952381
  Variance of Sample2 is 3.5
  Variance of Sample3 is 61.125
  Variance of Sample4 is 1/45
  Variance of Sample5 is 0.17613000000000006
```

4J:

```
▶ import statistics
  sample = {1, 1.3, 1.2, 1.9, 2.5, 2.2}
  m = statistics.mean (sample)
  print("Variance of Sample set is ",statistics.variance(sample, xbar = m))
...
... Variance of Sample set is  0.3656666666666667
```