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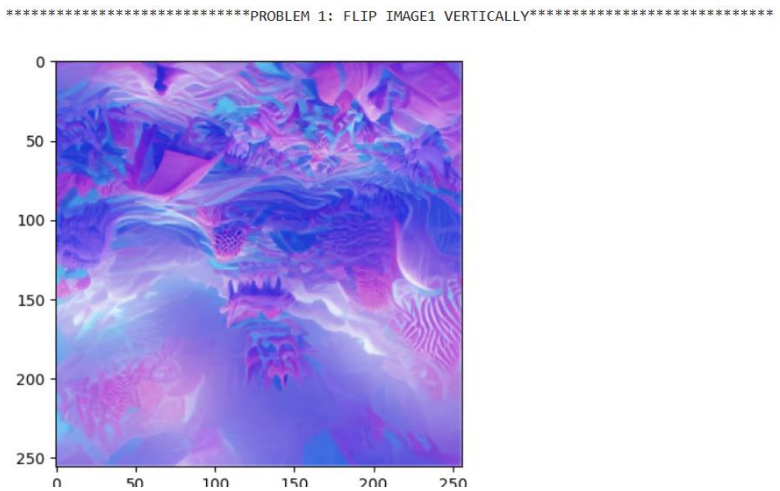
DEEP LEARNING HOMEWORK 1 REPORT

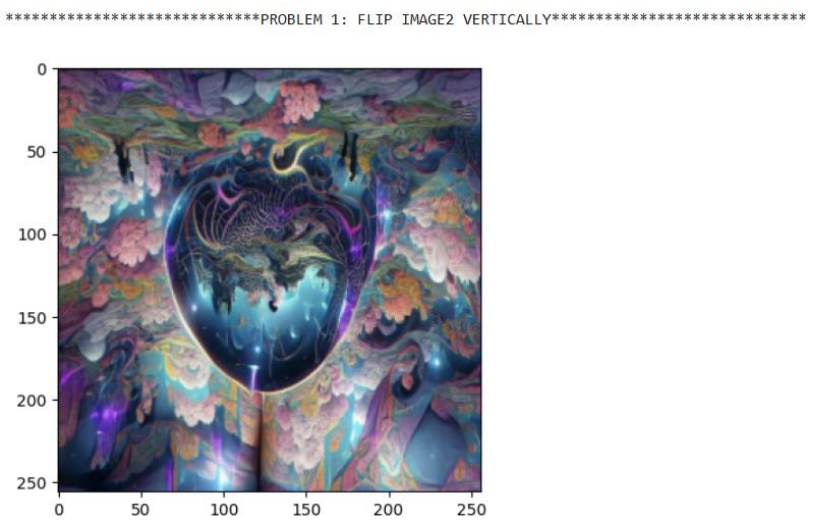
a) Download or crop the output of your program. Give comments on output of your homework, i.e., explain the graph or explain numerical values in terms of performance score.

TASK 1

After converting the given images to 256x256x3 format, I performed the routing operations through the matrices. In the last article, I performed the cropping process requested by dividing the width of the images in half, again using the matrix, and added the two images together.

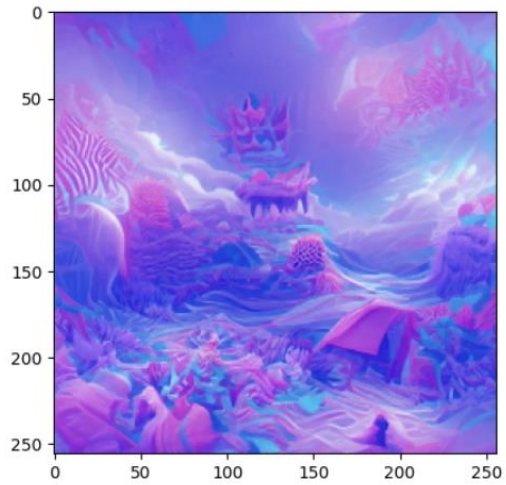
1.



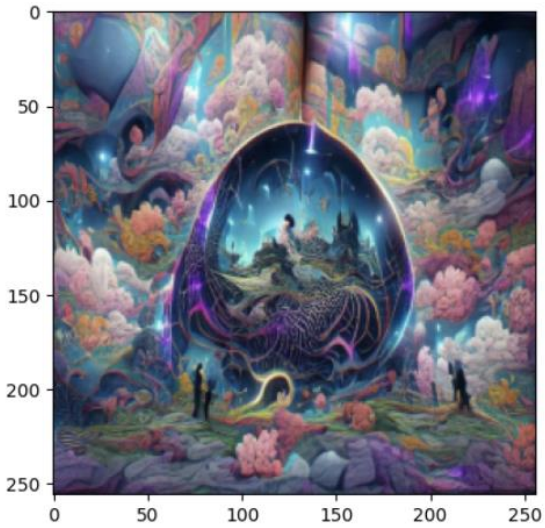


2.

**********PROBLEM 2: FLIP IMAGE1 HORIZONTALLY**********

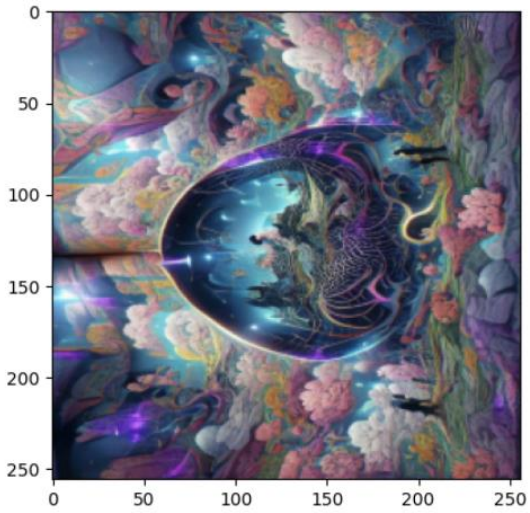


**********PROBLEM 2: FLIP IMAGE2 HORIZONTALLY**********

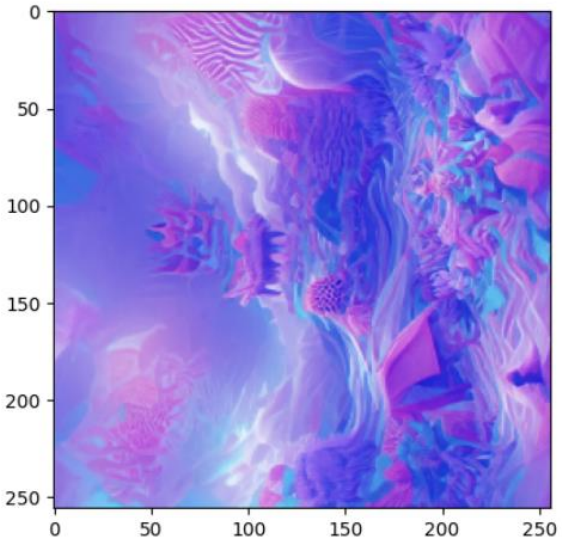


3.

**********PROBLEM 3: ROTATES IMAGE2 TO LEFT BY 90 DEGREE**********

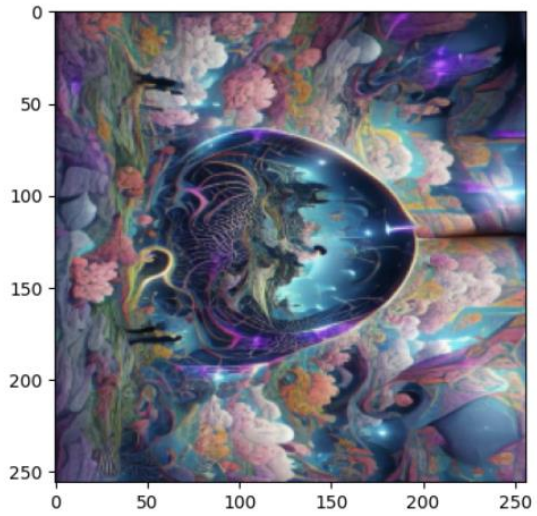


**********PROBLEM 3: ROTATES IMAGE1 TO LEFT BY 90 DEGREE*****

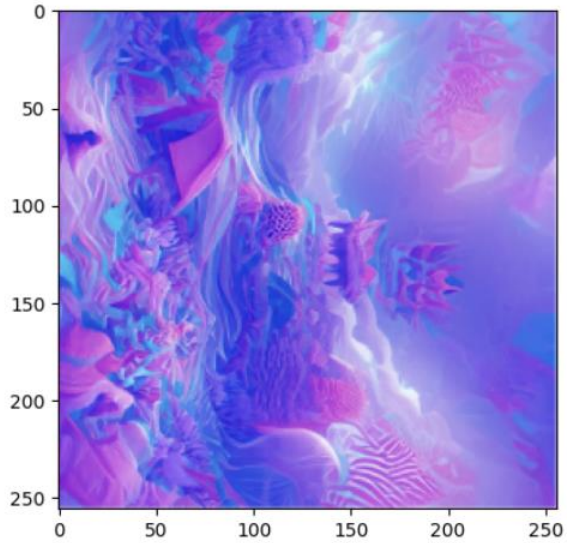


4.

**********PROBLEM 4: ROTATES IMAGE2 TO RIGHT BY 90 DEGREE*****

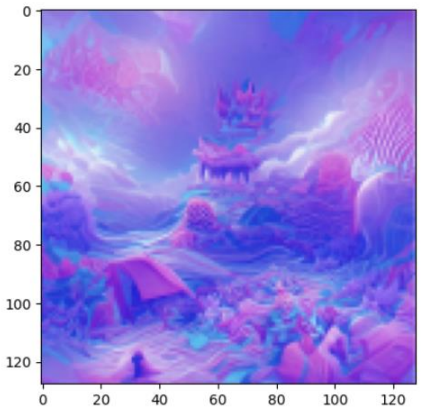


**********PROBLEM 4: ROTATES IMAGE1 TO RIGHT BY 90 DEGREE*****

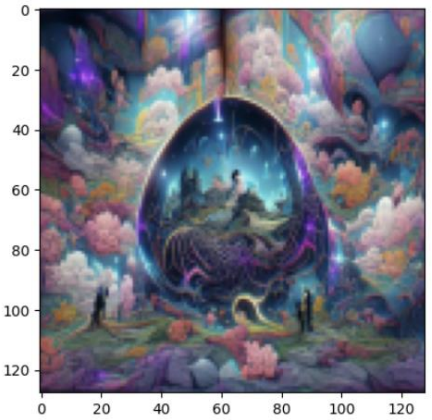


5.

**********PROBLEM 5: RESIZES INPUT IMAGE1 TO HALF BY KEEPING ASPECT RATIO******

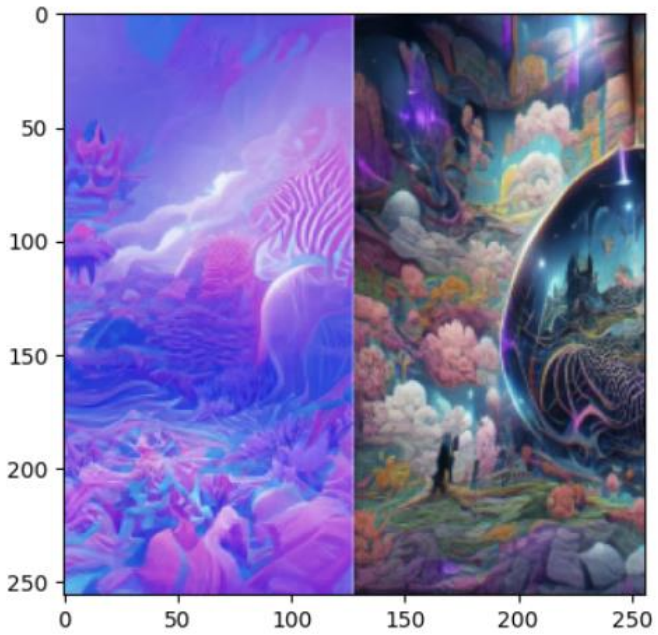


**********PROBLEM 5: RESIZES INPUT IMAGE2 TO HALF BY KEEPING ASPECT RATIO********



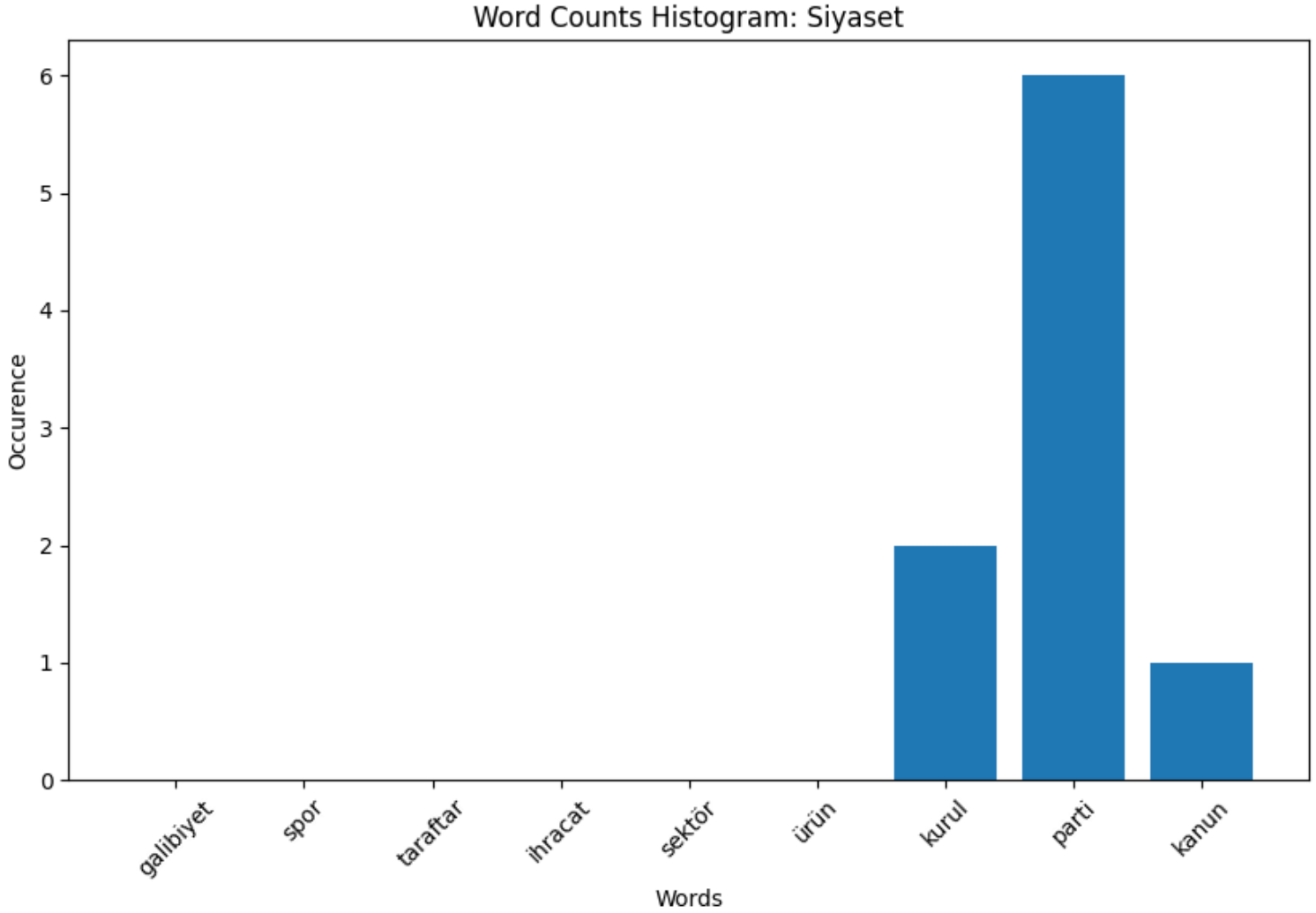
6.

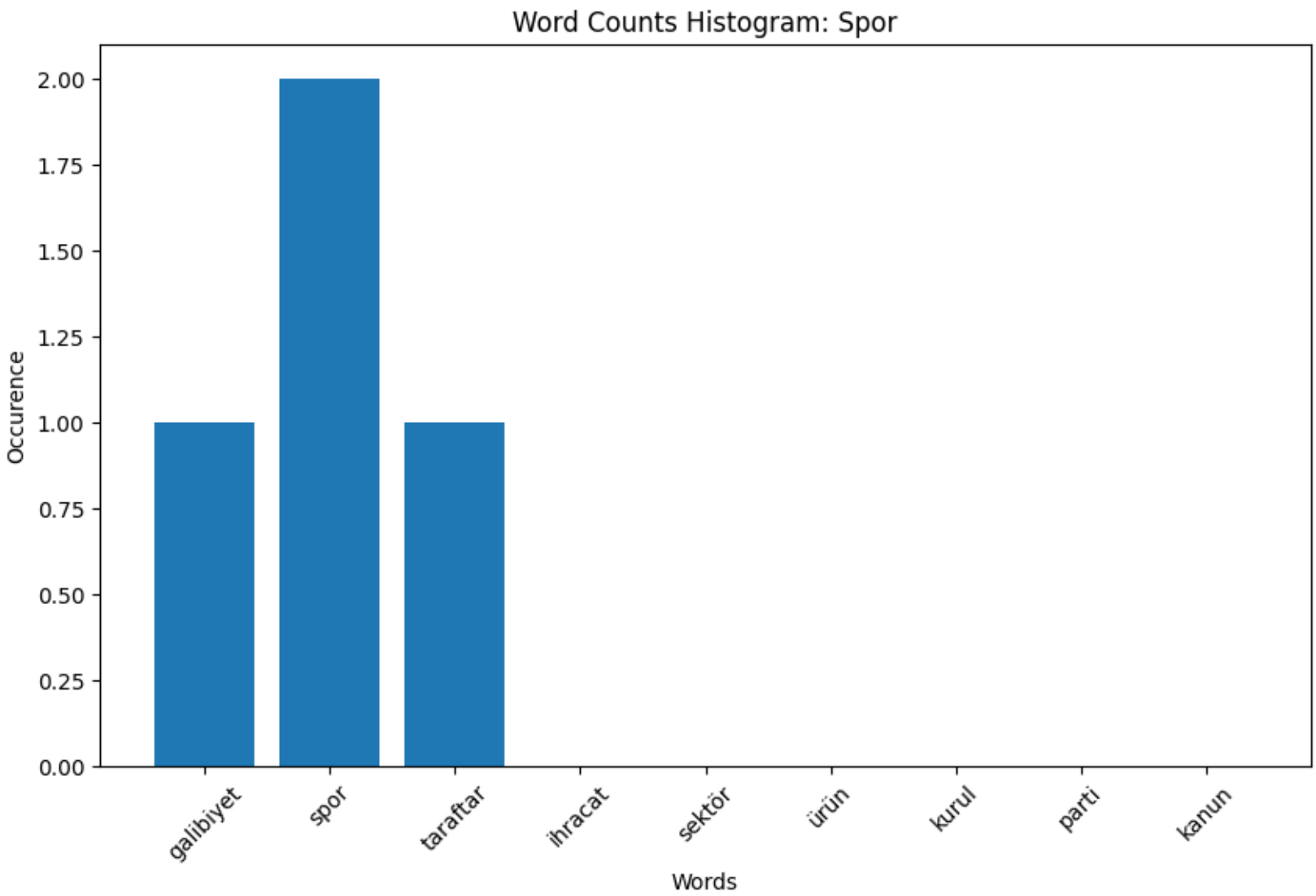
**********PROBLEM 6: CROP LEFT HALF OF IMAGE1 AND RIGHT HALF OF IMAGE2, THEN MERGE THESE PARTS TO CREATE A NEW IMAGE**********

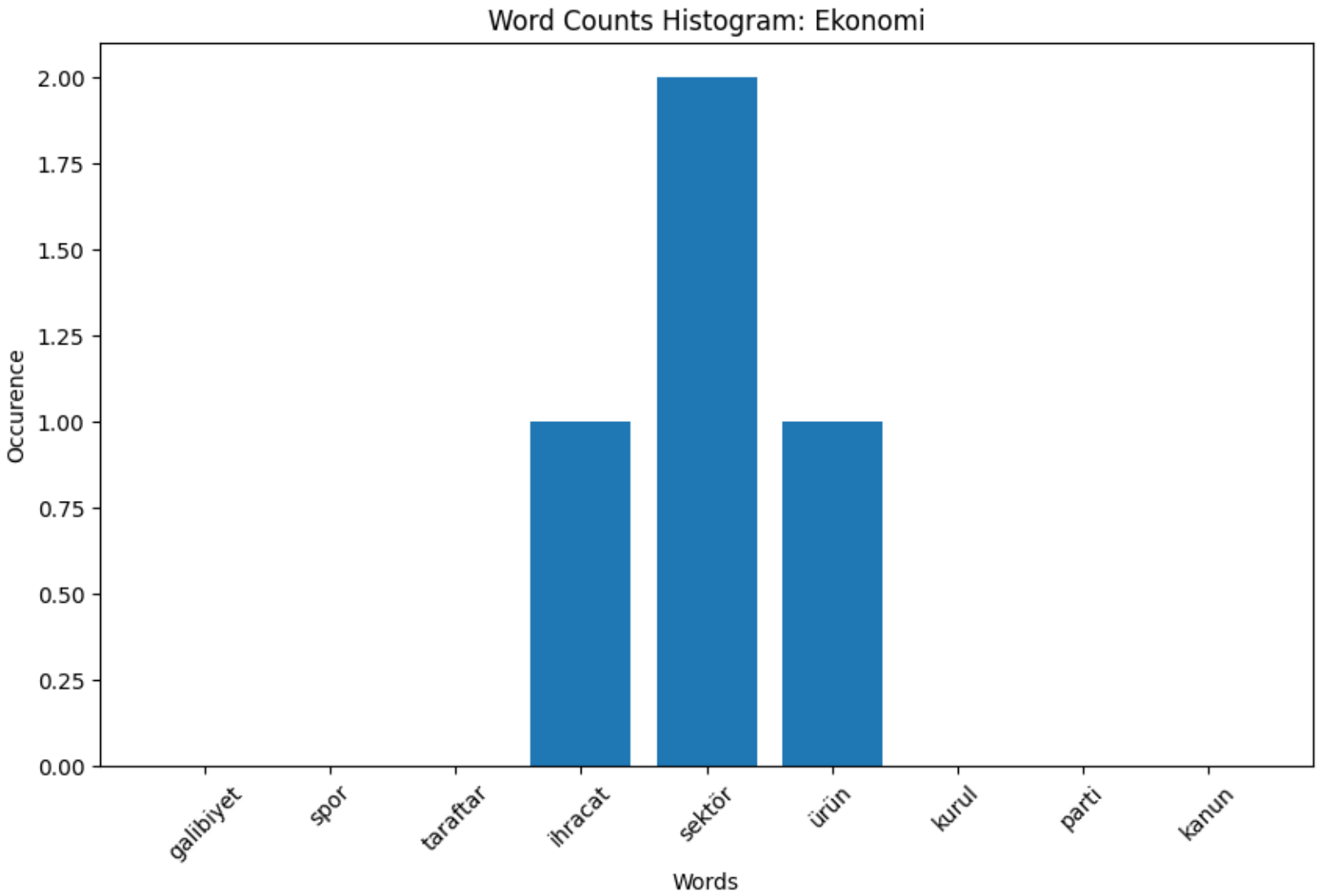


TASK 2

I kept the selected words in an array by reading them from the file. Then, by reading the other files, I recorded how many of the selected words were in each file and created a histogram chart.




Word Counts Histogram: Spor
Occurence
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
galibiyet
spor
taraftar
ihracat
sektör
ürün
kurul
parti
kanun
Words


Word Counts Histogram: Ekonomi
Occurence
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
galibiyet
spor
taraftar
ihracat
sektör
ürün
kurul
parti
kanun
Words

b- My Google Colab Account and my homework's code screen shot