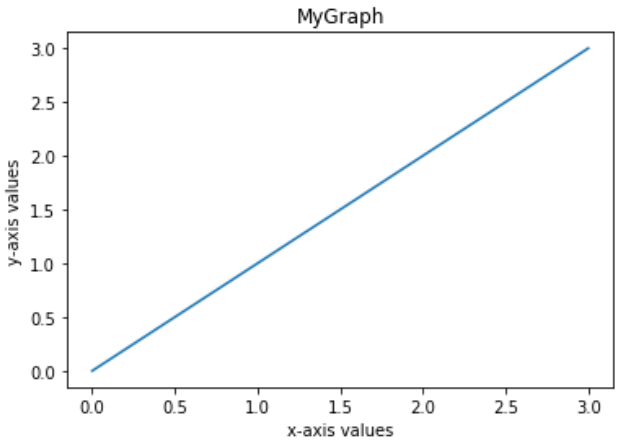
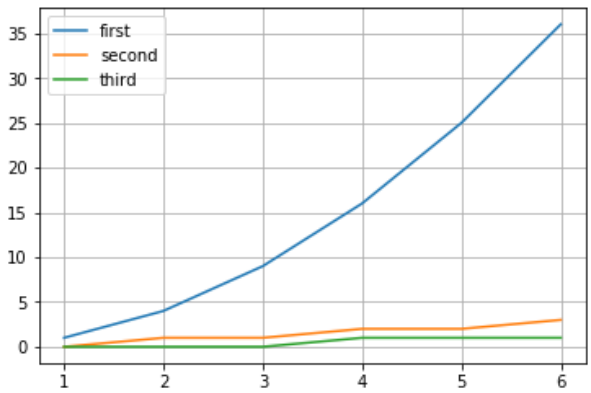
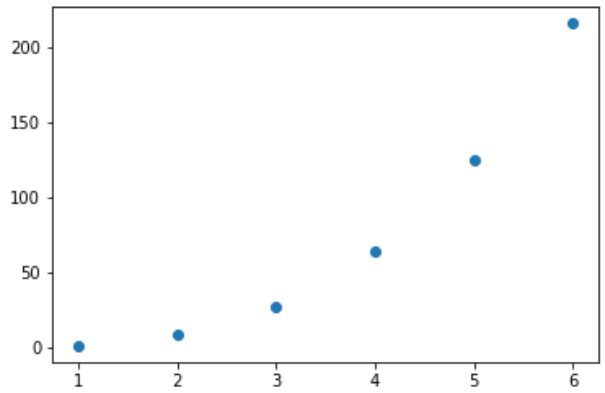
In [141]:
```
import matplotlib.pyplot as plt

x=[0,1,2,3]
y=[0,1,2,3]
plt.plot(x,y)
plt.xlabel("x-axis values")
plt.ylabel("y-axis values")
plt.title("MyGraph")
plt.show()
```



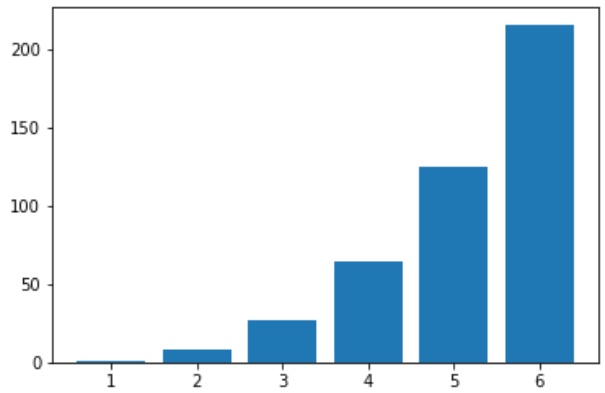
In [142]:
```
import numpy as np
x=np.arange(1,7)
plt.plot(x,[xi*xi for xi in x])
plt.plot(x,[xi/2 for xi in x])
plt.plot(x,[xi/4 for xi in x])
plt.legend(["first","second","third"])
plt.grid()
plt.show()
```



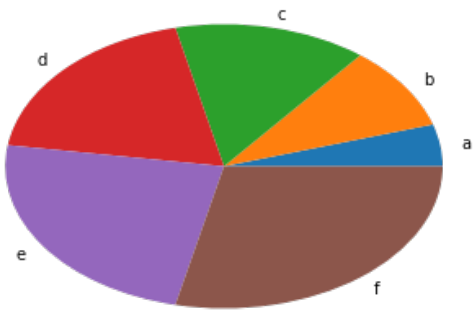
In [143]:
```
y=[xi*xi*xi for xi in x]
plt.scatter(x,y)
plt.show()
```



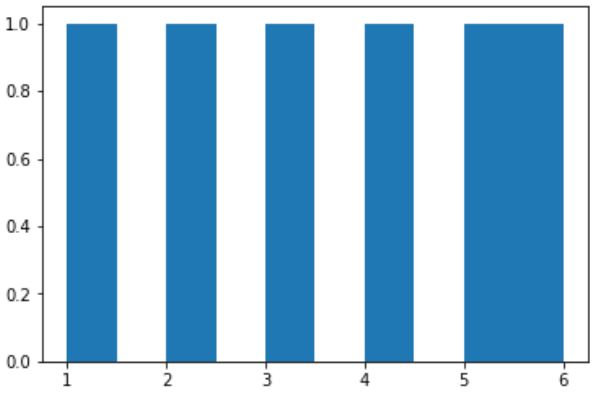
In [144]:
```
plt.bar(x,y)
plt.show()
```



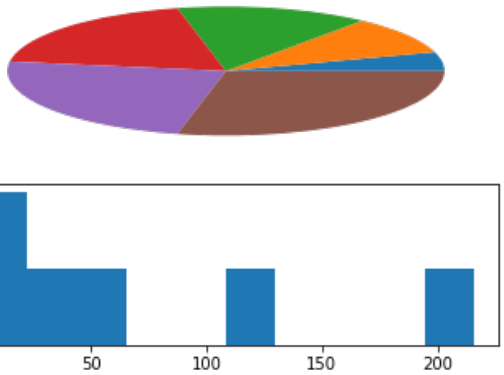
In [145]:
```
l=["a","b","c","d","e","f"]
plt.pie(x,labels=l)
plt.show()
```



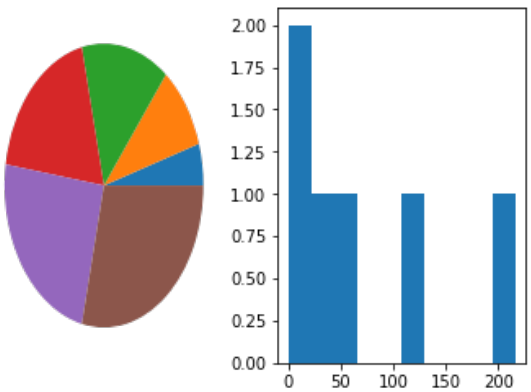
In [146]:
```
plt.hist(x)
plt.show()
```



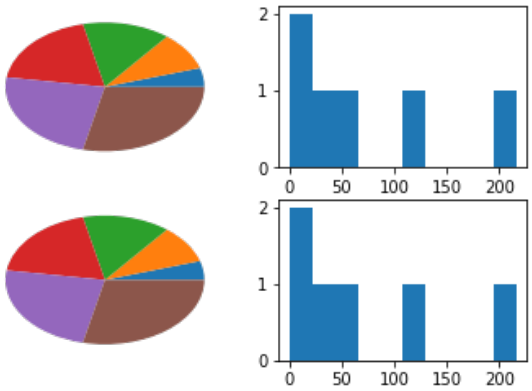
In [147]:
```
plt.subplot(2,1,1)
plt.pie(x)
plt.subplot(2,1,2)
plt.hist(y)
plt.show()
```



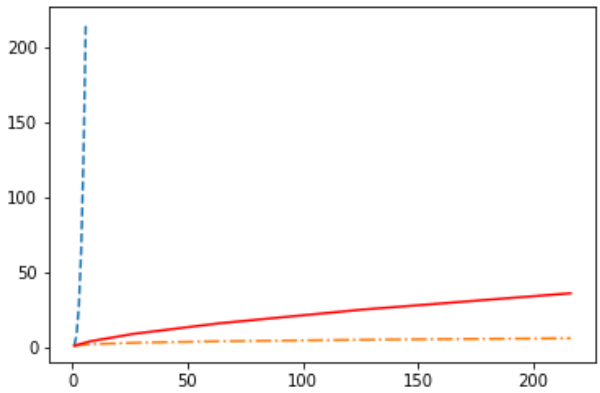
In [148]:
```
plt.subplot(1,2,1)
plt.pie(x)
plt.subplot(1,2,2)
plt.hist(y)
plt.show()
```



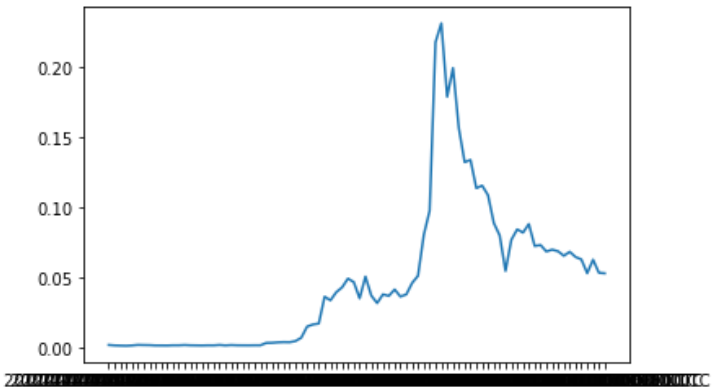
In [149]:
```
plt.subplot(2,2,1)
plt.pie(x)
plt.subplot(2,2,2)
plt.hist(y)
plt.subplot(2,2,3)
plt.pie(x)
plt.subplot(2,2,4)
plt.hist(y)

plt.show()
```



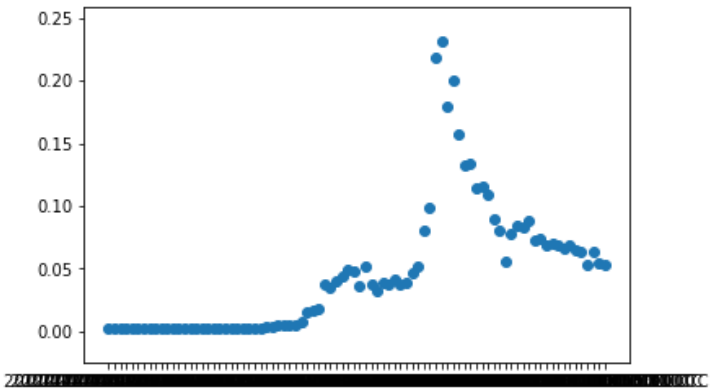
In [150]:
```
plt.plot(x,y,'--')
plt.plot(y,x,'-.') #default is -
plt.plot(y,x*x,'r')
plt.show()
```



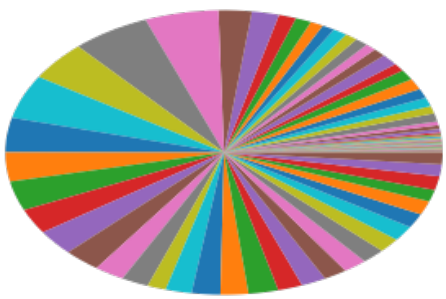
In [151]:
```
import pandas as pd
readfile=pd.read_csv("/home/cnlab/Downloads/trx-usd-max.csv")
x=readfile['snapped_at']
y=readfile['price']
plt.plot(x,y)
plt.show()
```



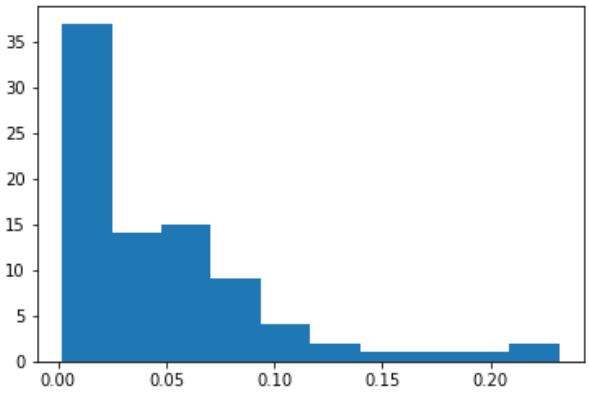
In [152]:
```
plt.scatter(x,y)
plt.show()
```



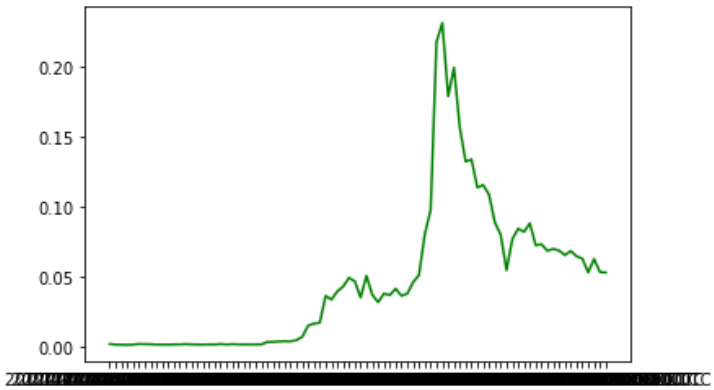
In [153]:
```
plt.pie(y)
plt.show()
```



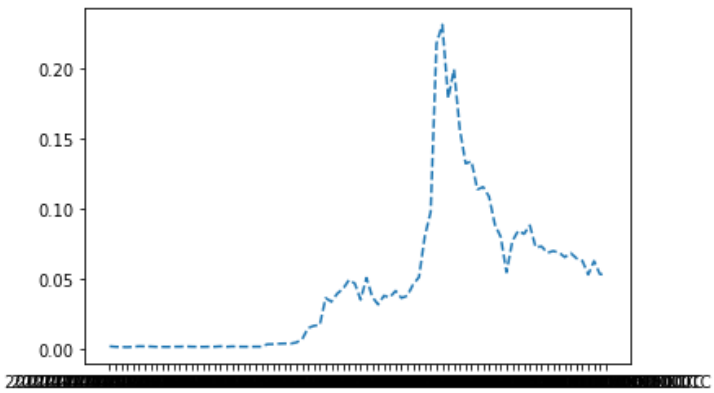
In [154]:
```
plt.hist(y)
plt.show()
```



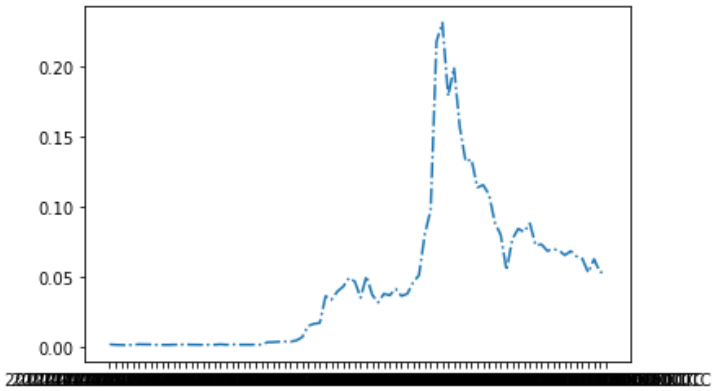
In [155]:
```
plt.plot(x,y,'g')
plt.show()
```



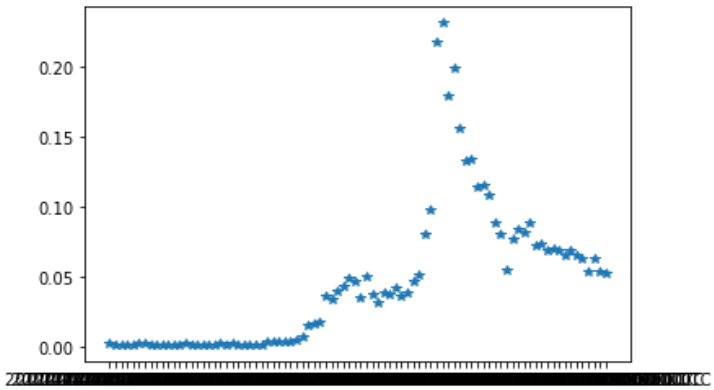
In [156]:
```
plt.plot(x,y,'--')
plt.show()
```



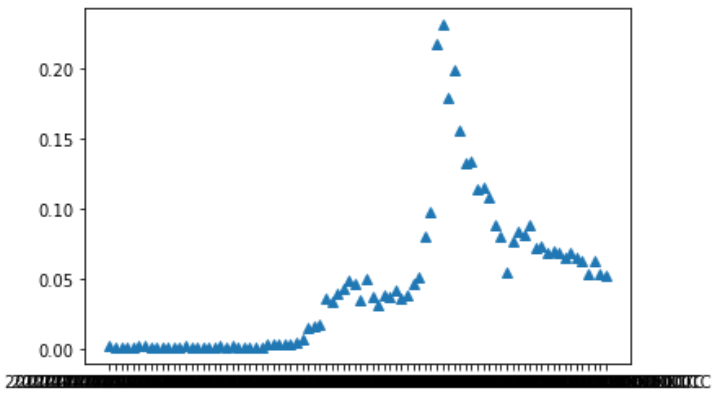
In [157]:
```
plt.plot(x,y,'-.')
plt.show()
```



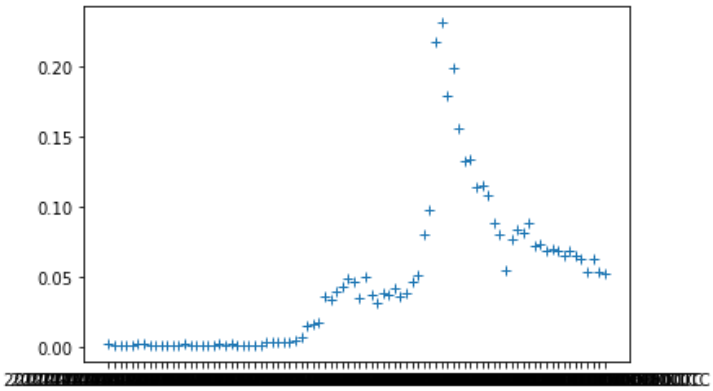
In [158]:
```
plt.plot(x,y,'*')
plt.show()
```



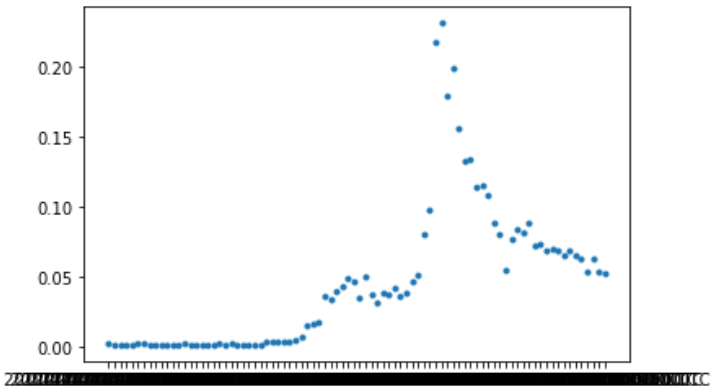
In [159]:
```
plt.plot(x,y,'^')
plt.show()
```



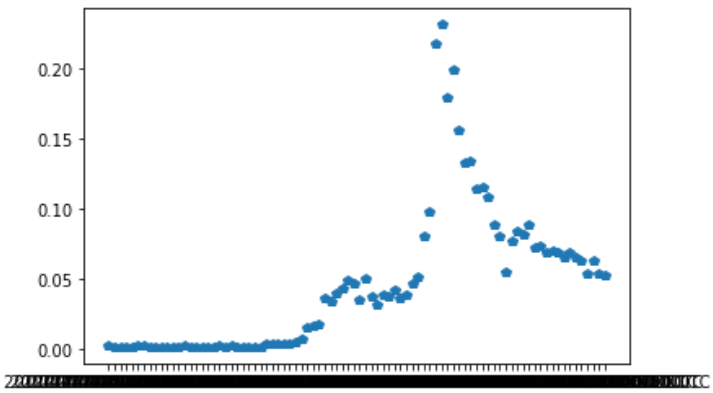
In [160]:
```
plt.plot(x,y,'+')
plt.show()
```



In [161]:
```
plt.plot(x,y,'.')
plt.show()
```



In [162]:
```
plt.plot(x,y,'p')
plt.show()
```



In [163]:
```
f=open('Downloads/trx-usd-max.csv','r')
data = f.read().split("\n")
x=[]
y=[]
count=0
print(len(data))
print(data[87])
for i in range(len(data)-1):
        if(count is 0):
            print(data[i])
            count = count+1
        else:
            val = data[i].split(",")
            count=count+1
            x.append(val[0])
            y.append(val[1])
print(count)
plt.plot(x,y)
plt.show()
```

```
88

snapped_at,price,market_cap,total_volume
87
```