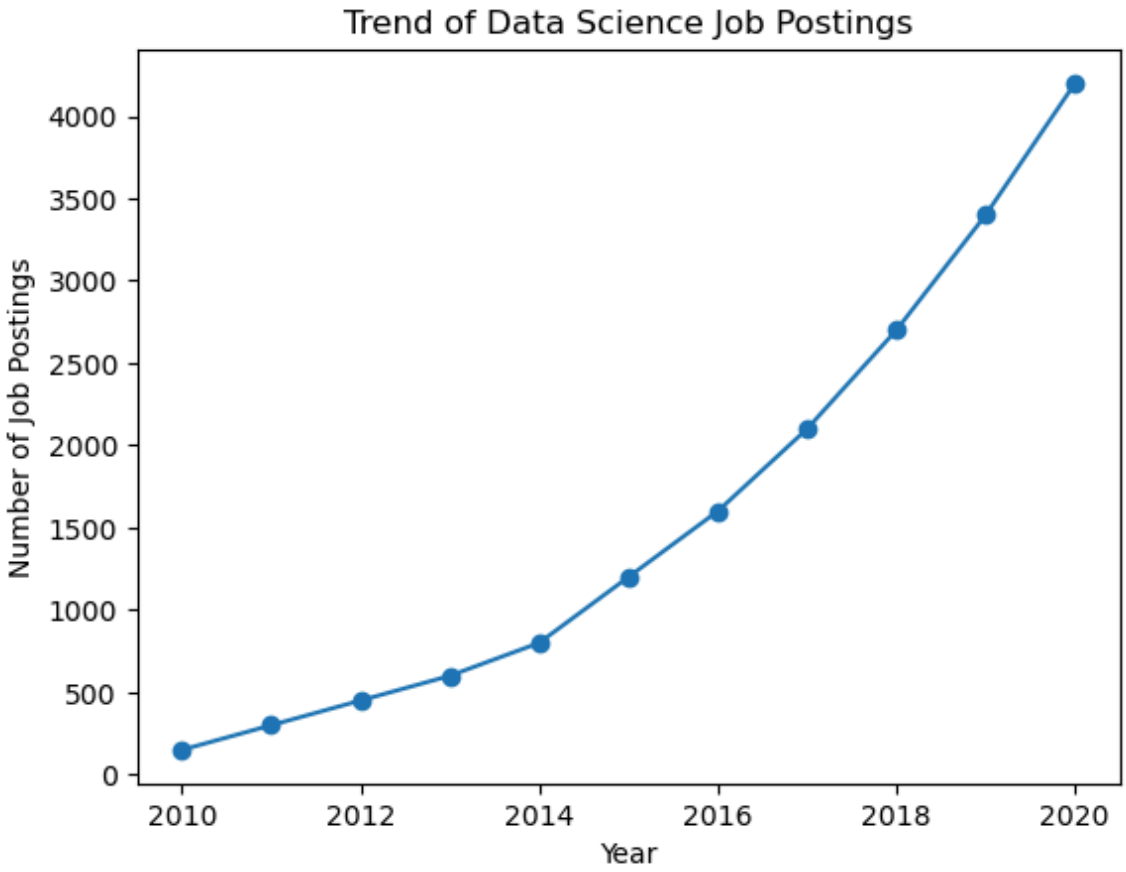
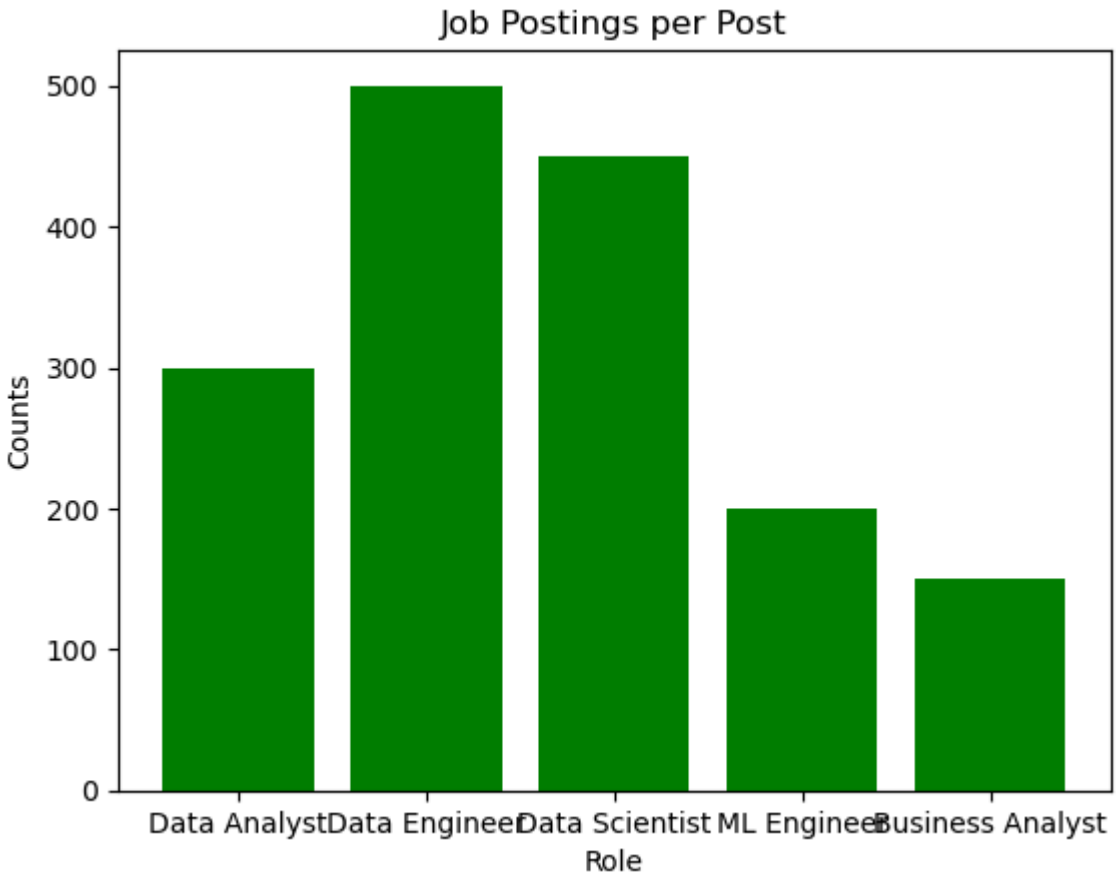
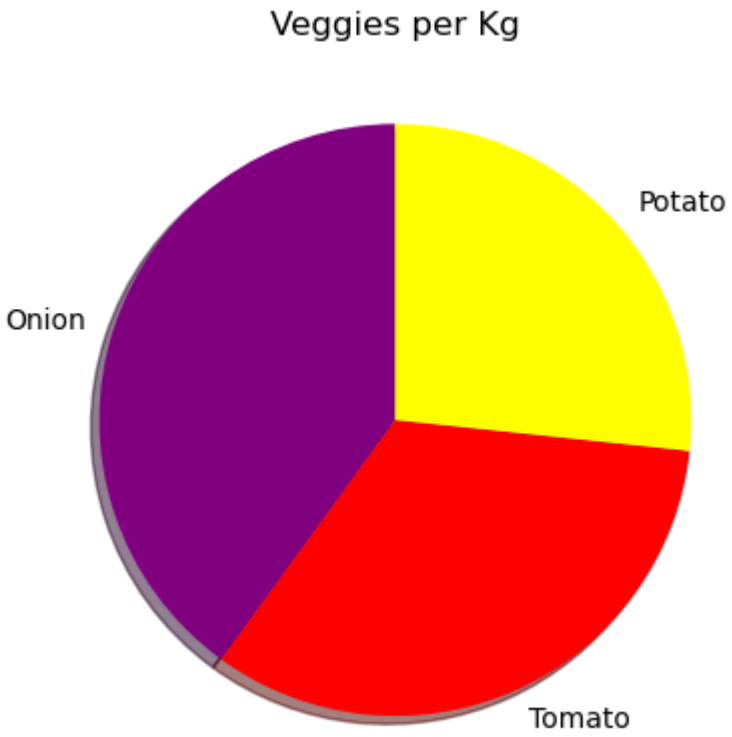
In [13]:
```
import pandas as pd
import matplotlib.pyplot as plt
data={'Year':list(range(2010,2021)),'Job Postings':[150,300,450,600,800,120
df=pd.DataFrame(data)
plt.plot(df['Year'],df['Job Postings'],marker='o')
plt.title('Trend of Data Science Job Postings')
plt.xlabel('Year')
plt.ylabel('Number of Job Postings')
plt.show()
```



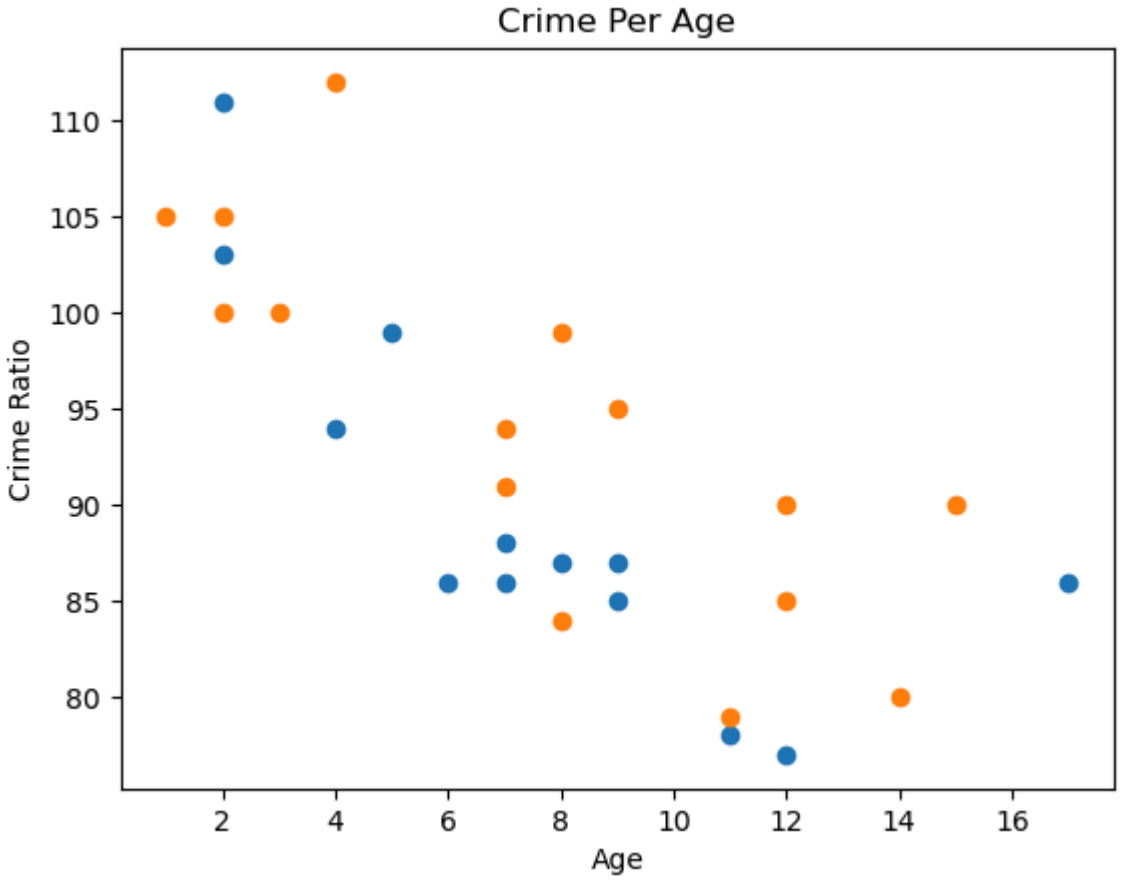
In [26]:
```
import pandas as pd
import matplotlib.pyplot as plt
roles=['Data Analyst','Data Engineer','Data Scientist','ML Engineer','Busine
counts=[300,500,450,200,150]
plt.bar(roles,counts,color='Green')
plt.title('Job Postings per Post')
plt.xlabel('Role')
plt.ylabel('Counts')
plt.show()
```



In [27]:
```
import pandas as pd
import matplotlib.pyplot as plt
Veggies=['Onion','Tomato','Potato']
Cost=[60,50,40]
plt.pie(Cost,labels=Veggies,colors=['Purple','Red','Yellow'],startangle=90,s
plt.title('Veggies per Kg')
plt.show()
```



In [28]:
```
import matplotlib.pyplot as plt
import numpy as np
x = np.array([5,7,8,7,2,17,2,9,4,11,12,9,6])
y = np.array([99,86,87,88,111,86,103,87,94,78,77,85,86])
plt.scatter(x, y)
x = np.array([2,2,8,1,15,8,12,9,7,3,11,4,7,14,12])
y = np.array([100,105,84,105,90,99,90,95,94,100,79,112,91,80,85])
plt.scatter(x, y)
plt.xlabel('Age')
plt.ylabel('Crime Ratio')
plt.title('Crime Per Age')
plt.show()
```



In [ ]: