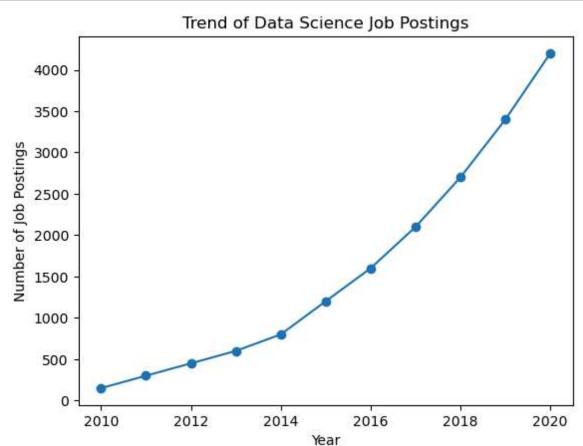
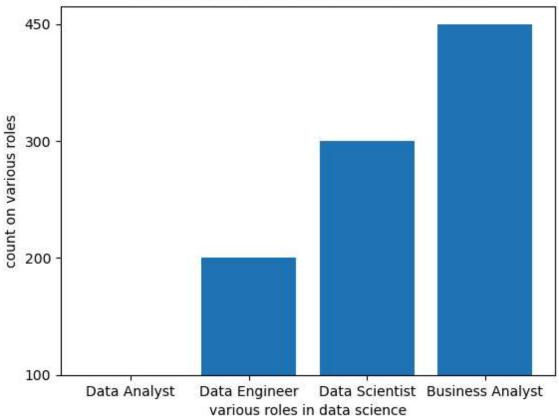
```
In [17]: import pandas as pd
         structured_data=pd.DataFrame({
             'ID':[2,4,6],
             'Name':['Jane','Mary','Lucy'],
             'Age':[30,45,24],
         })
         print("Structured Data:\n",structured_data)
         Structured Data:
             ID Name Age
             2 Jane
                       30
                       45
         1
             4 Mary
                       24
             6 Lucy
In [28]:
         import pandas as pd
         unstructured_data="abc 34 2045","pqr 45 2025","jpr 67 2065"
         print("Unstructured Data:\n",unstructured_data)
         Unstructured Data:
          ('abc 34 2045', 'pqr 45 2025', 'jpr 67 2065')
In [27]: import pandas as pd
         semistructured_data={'ID':[3,5,7],'Name':['Jane','Mary','Lucy'], 'Age':[23,45,46]
         print("Semistructured Data:\n",semistructured data)
         Semistructured Data:
          {'ID': [3, 5, 7], 'Name': ['Jane', 'Mary', 'Lucy'], 'Age': [23, 45, 46]}
```



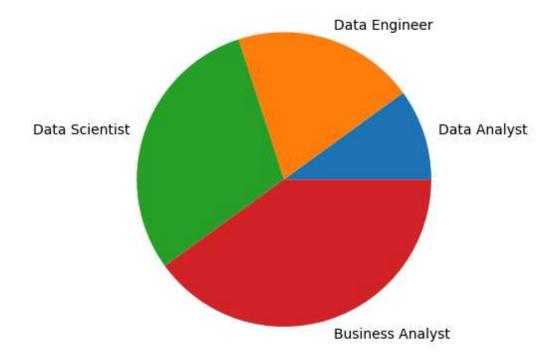
```
In [37]: import pandas as pd
    import matplotlib.pyplot as plt
    role=['Data Analyst','Data Engineer','Data Scientist','Business Analyst']
    count=['100','200','300','450']
    plt.bar(role,count)
    plt.title('Distribution of Various Data Science Roles')
    plt.xlabel('various roles in data science')
    plt.ylabel('count on various roles')
    plt.show()
```





```
import pandas as pd
import matplotlib.pyplot as plt
role=['Data Analyst','Data Engineer','Data Scientist','Business Analyst']
count=['100','200','300','400']
#c=['green','blue','red']
plt.pie(count,labels=role)
#plt.bar(role,count)
plt.title('Distribution of Various Data Science Roles')
plt.show()
```

## Distribution of Various Data Science Roles



```
In [ ]:
```