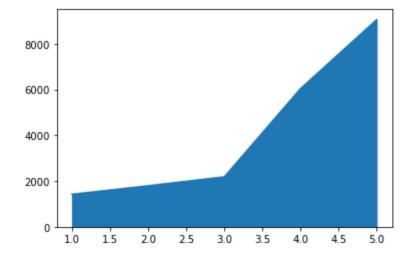
```
In [27]:
           import pandas as pd #media, varianza y dev estandar
           import matplotlib as plt
           import seaborn as sns
           df = pd.read csv('tripadvisor hotel reviews.csv');
In [28]:
Out[28]:
                                                     Review Rating
                0
                     nice hotel expensive parking got good deal sta...
                                                                  2
                1
                   ok nothing special charge diamond member hilto...
                   nice rooms not 4* experience hotel monaco seat...
                                                                  3
                2
                3
                     unique, great stay, wonderful time hotel monac...
                                                                  5
                   great stay great stay, went seahawk game aweso...
                                                                  5
            20486
                      best kept secret 3rd time staying charm, not 5...
                                                                  5
            20487
                       great location price view hotel great quick pl...
                                                                  4
            20488
                      ok just looks nice modern outside, desk staff ...
            20489
                      hotel theft ruined vacation hotel opened sept ...
                                                                  1
                                                                  2
            20490
                        people talking, ca n't believe excellent ratin...
           20491 rows × 2 columns
In [29]:
           df['Rating'].median() #muestra la media
Out[29]: 4.0
In [30]: df['Rating'].var() #muestra la varianza
Out[30]: 1.5203624326830831
           df['Rating'].std() #muestra la desviacion estandar
In [31]:
Out[31]: 1.2330297776952035
In [32]:
           df['Rating'].describe()
Out[32]: count
                      20491.000000
           mean
                           3.952223
           std
                           1.233030
                           1.000000
           min
           25%
                           3.000000
           50%
                           4.000000
           75%
                           5.000000
                           5.000000
           max
           Name: Rating, dtype: float64
```

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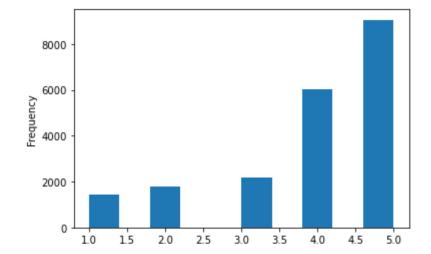
```
In [33]: #Utilizar al menos dos formas de graficar con matplotlib
    df['Rating'].value_counts().sort_index().plot.area()
```

Out[33]: <matplotlib.axes._subplots.AxesSubplot at 0x14d420ff5b0>



```
In [34]: df['Rating'].plot.hist()
```

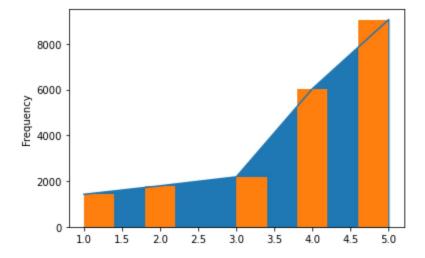
Out[34]: <matplotlib.axes._subplots.AxesSubplot at 0x14d423f2e20>



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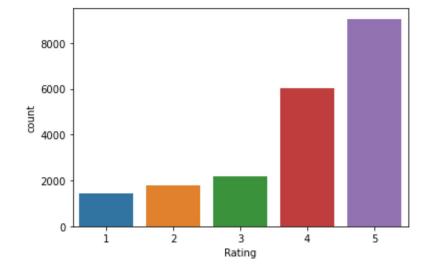
```
In [35]: df['Rating'].value_counts().sort_index().plot.area()
    df['Rating'].plot.hist()
```

Out[35]: <matplotlib.axes._subplots.AxesSubplot at 0x14d42460820>



```
In [36]: #dos de seaborn
sns.countplot(df['Rating'])
```

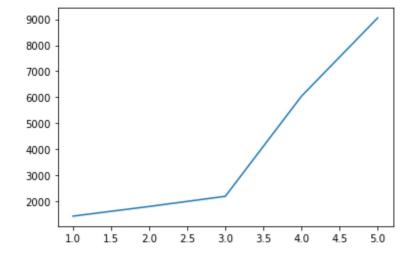
Out[36]: <matplotlib.axes. subplots.AxesSubplot at 0x14d424cba00>



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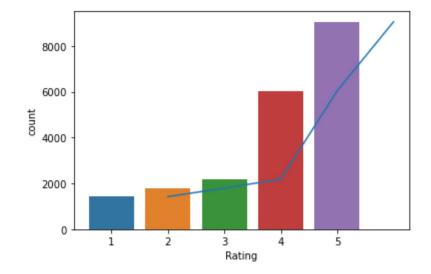
```
df[df['Rating'] > 0]['Rating'].value_counts().sort_index().plot.line()
In [37]:
```

Out[37]: <matplotlib.axes. subplots.AxesSubplot at 0x14d42521a90>



```
In [38]:
         sns.countplot(df['Rating'])
         df[df['Rating'] > 0]['Rating'].value_counts().sort_index().plot.line()
```

Out[38]: <matplotlib.axes._subplots.AxesSubplot at 0x14d4257f850>



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