In [2]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

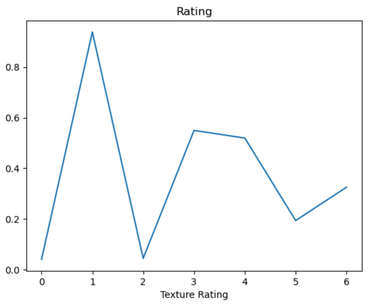
In [4]:
```
df = pd.read_csv(r'/Users/jkchinnu/Downloads/Ice Cream Ratings.csv')
df
```

Out[4]:

	Date	Flavor Rating	Texture Rating	Overall Rating
0	1/1/2022	0.223090	0.040220	0.600129
1	1/2/2022	0.635886	0.938476	0.106264
2	1/3/2022	0.442323	0.044154	0.598112
3	1/4/2022	0.389128	0.549676	0.489353
4	1/5/2022	0.386887	0.519439	0.988280
5	1/6/2022	0.877984	0.193588	0.832827
6	1/7/2022	0.140995	0.325110	0.105147

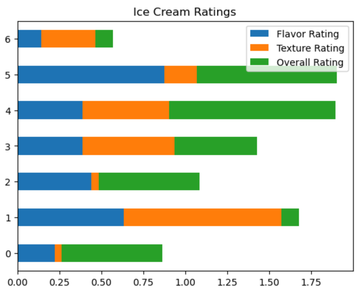
In [20]:
```
df['Texture Rating'].plot(kind = 'line',title = 'Rating',xlabel = 'Texture Rating')
```

Out[20]:
```
<AxesSubplot:title={'center':'Rating'}, xlabel='Texture Rating'>
```



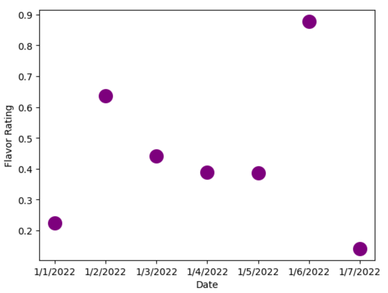
In [21]:
```
df.plot.barh(stacked = True,title = 'Ice Cream Ratings')
```

Out[21]:
```
<AxesSubplot:title={'center':'Ice Cream Ratings'}>
```



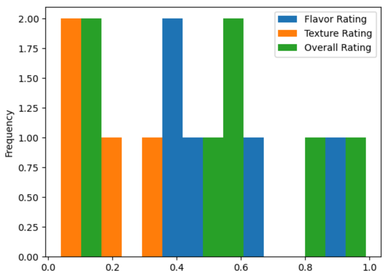
In [24]:
```
df.plot.scatter(x = 'Date',y = 'Flavor Rating',s = 200,c = 'purple')
```

Out[24]:
```
<AxesSubplot:xlabel='Date', ylabel='Flavor Rating'>
```



In [28]:
```
df.plot.hist(bins = 15)
```

Out[28]:
```
<AxesSubplot:ylabel='Frequency'>
```

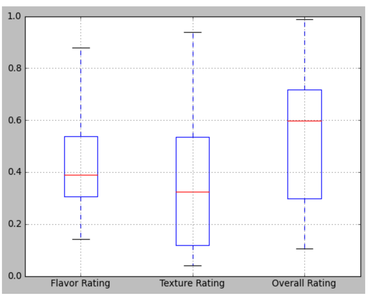


In [41]:
```
print(plt.style.available)
plt.style.use('classic')
```

```
['Solarize_Light2', '_classic_test_patch', '_mpl-gallery', '_mpl-gallery-nogrid', 'bmh', 'classic', 'dark_background', 'fast', 'fivethirtyeight', 'ggplot', 'grayscale',
'seaborn', 'seaborn-bright', 'seaborn-colorblind', 'seaborn-dark', 'seaborn-dark-palette', 'seaborn-darkgrid', 'seaborn-deep', 'seaborn-muted', 'seaborn-notebook', 'sea
born-paper', 'seaborn-pastel', 'seaborn-poster', 'seaborn-talk', 'seaborn-ticks', 'seaborn-white', 'seaborn-whitegrid', 'tableau-colorblind10']
```

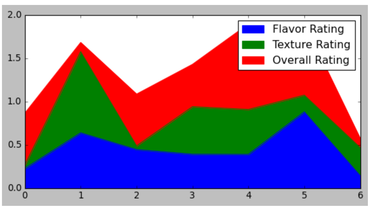
In [42]:
```
df.boxplot()
```

Out[42]:
```
<AxesSubplot:>
```



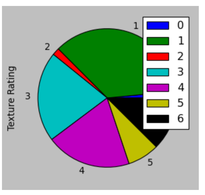
In [43]:
```
df.plot.area(figsize = (8,4))
```

Out[43]:
```
<AxesSubplot:>
```



In [44]:
```
df.plot.pie(y = 'Texture Rating',figsize = (8,4))
```

Out[44]:
```
<AxesSubplot:ylabel='Texture Rating'>
```



In [ ]: