In [16]:

```python
import pandas as pd
import numpy as np
import matplotlib.pyplot as pyplot
```

In [17]:

```python
from sklearn.model_selection import train_test_split
from sklearn.tree import DecisionTreeClassifier
from sklearn.metrics import accuracy_score
```

In [18]:

```python
dataset = pd.read_csv('C:/Users/Natakii/Desktop/dada/world_data_really_tiny.csv')
```

In [19]:

```python
dataset.head()
```

Out[19]:

	country	lifeexp	unemployment	happiness
0	Albania	77.6	6.09	Low
1	Bulgaria	75.0	3.24	Low
2	Iran	75.8	2.11	Low
3	Ukraine	71.9	1.53	Low
4	South Africa	61.8	7.52	Low

In [20]:

```python
dataset.shape
```

Out[20]:

```
(12, 4)
```

In [31]:

```python
dataset.describe()
```

Out[31]:

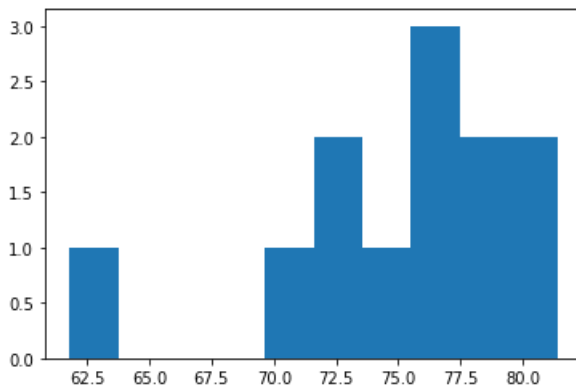|	lifeexp	unemployment
count	12.000000	12.000000
mean	74.833333	3.051667
std	5.213328	2.377664
min	61.800000	0.060000
25%	71.900000	1.412500
50%	75.750000	1.820000
75%	77.525000	5.102500
max	81.400000	7.520000

In [34]:

```python
pyplot.hist(lifexp, bins = 10)
```

Out[34]:

```
(array([1., 0., 0., 0., 1., 2., 1., 3., 2., 2.]),
 array([61.8 , 63.76, 65.72, 67.68, 69.64, 71.6 , 73.56, 75.52, 77.48,
        79.44, 81.4 ]),
 <a list of 10 Patch objects>)
```
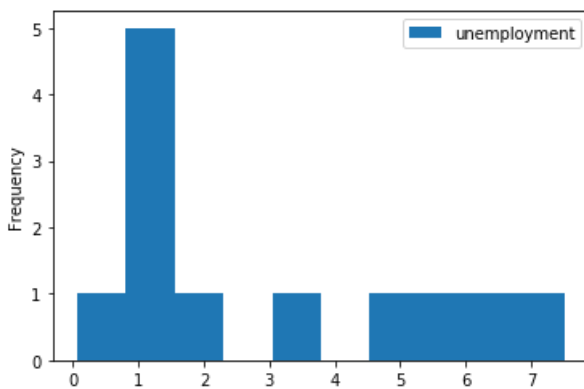

In [29]:
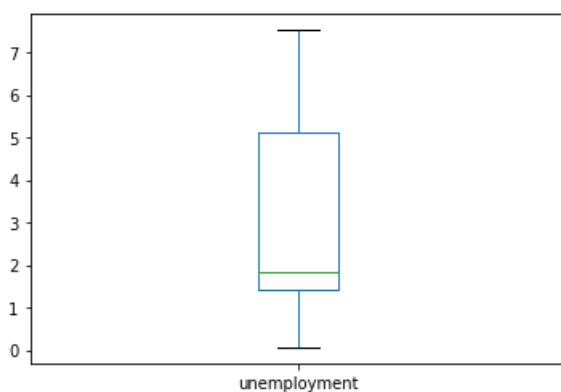
```
dataset.plot.hist(y='unemployment')
```

Out[29]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x17f02d2d3c8>
```


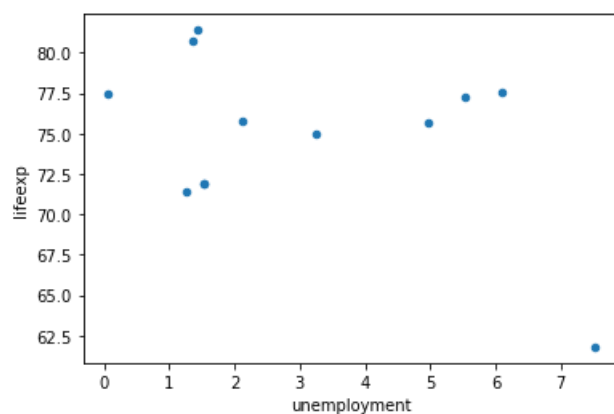In [35]:

```
dataset.plot.box(y='unemployment')
```

Out[35]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x17f02f59848>
```


In [37]:

```
dataset.plot.scatter(x='unemployment', y='lifeexp')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x17f02fd02c8>
```
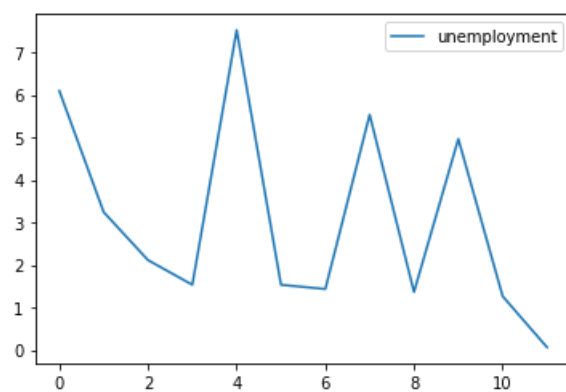

In [38]:

```
dataset.plot(y='unemployment')
```

Out[38]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x17f030518c8>
```


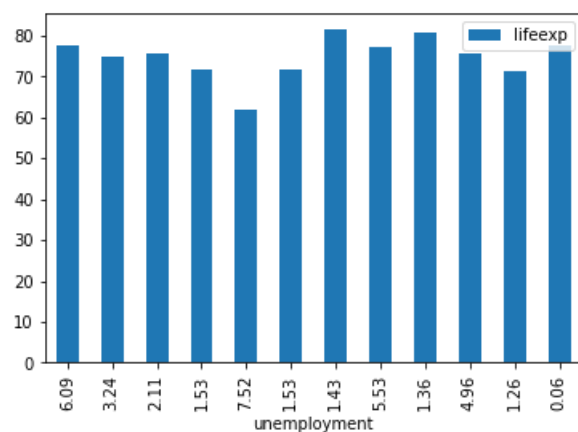In [39]:

```
dataset.plot.bar(x='unemployment', y='lifeexp')
```

Out[39]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x17f030a4688>
```


In [43]:

```python
pyplot.savefig("datavis.pdf")
```

<Figure size 432x288 with 0 Axes>

In [ ]: