plot 2

July 28, 2019

In [1]:
```
import pandas as pd
from pandas import set_option
import numpy as np
import matplotlib.pyplot as plt
```

In [2]:
```
creditcard=pd.read_excel(r'C:\Users\Olawale\Desktop\cool\Credit Card.xlsx')
```

In [3]:
```
creditcard.head()
```

Out[3]:

	Time	V1	V2	V3	V4	V5	V6	V7	V8	V9	...	V21	V22	V23	V24	V25	V26	V27	V28	Amount	Class
0	0	-1.359807	-0.072781	2.536347	1.378155	-0.338321	0.462388	0.239599	0.098698	0.363787	...	-0.018307	0.277838	-0.110474	0.066928	0.128539	-0.189115	0.133558	-0.021053	149.62	0
1	0	1.191857	0.266151	0.166480	0.448154	0.060018	-0.082361	-0.078803	0.085102	-0.255425	...	-0.225775	-0.638672	0.101288	-0.339846	0.167170	0.125895	-0.008983	0.014724	2.69	0
2	1	-1.358354	-1.340163	1.773209	0.379780	-0.503198	1.800499	0.791461	0.247676	-1.514654	...	0.247998	0.771679	0.909412	-0.689281	-0.327642	-0.139097	-0.055353	-0.059752	378.66	0
3	1	-0.966272	-0.185226	1.792993	-0.863291	-0.010309	1.247203	0.237609	0.377436	-1.387024	...	-0.108300	0.005274	-0.190321	-1.175575	0.647376	-0.221929	0.062723	0.061458	123.50	0
4	2	-1.158233	0.877737	1.548718	0.403034	-0.407193	0.095921	0.592941	-0.270533	0.817739	...	-0.009431	0.798278	-0.137458	0.141267	-0.206010	0.502292	0.219422	0.215153	69.99	0

5 rows x 31 columns

In [4]:
```
X=creditcard.iloc[:,:-1]
Y=creditcard.iloc[:,-1]
```

In [5]:
```
fig = plt.figure()
ax = fig.add_subplot(111)
cax = ax.matshow(X.corr(), vmin=-1, vmax=1, interpolation='none')
```

```
fig.colorbar(cax)
plt.show()
```