>>> df = pd.DataFrame(np.random.randn(1000, 5), columns=['a', 'b', 'c', 'd', 'e'])

>>> df.corr()

a b c d e

a 1.000000 0.007568 0.014746 0.027275 -0.029043

b 0.007568 1.000000 -0.039130 -0.011612 0.082062

c 0.014746 -0.039130 1.000000 0.025330 -0.028471

d 0.027275 -0.011612 0.025330 1.000000 -0.002215

e -0.029043 0.082062 -0.028471 -0.002215 1.000000

import matplotlib.pyplot as plt

plt.imshow(df.corr(), cmap=plt.cm.Blues, interpolation='nearest')  
plt.colorbar()

tick\_marks = [i for i in range(len(df.columns))] plt.xticks(tick\_marks, df.columns, rotation='vertical') plt.yticks(tick\_marks, df.columns)

plt.show()  
