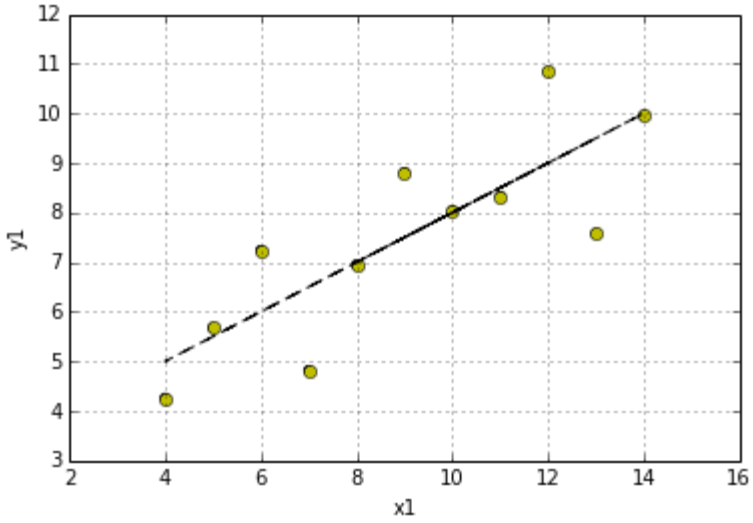
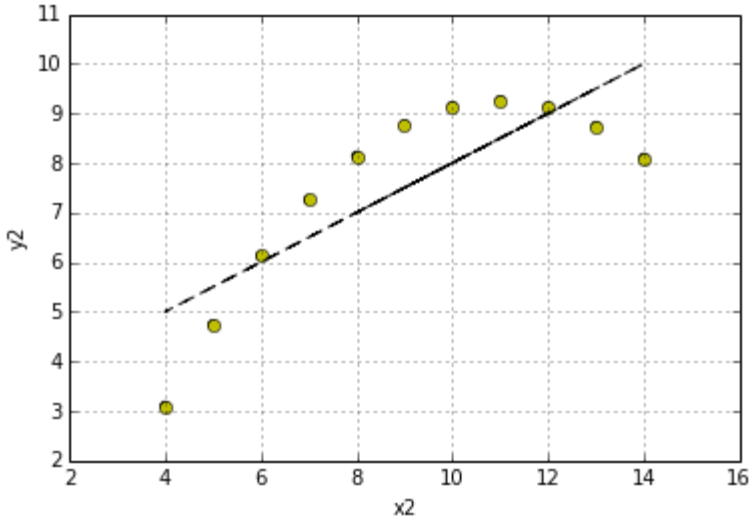
In [1]:

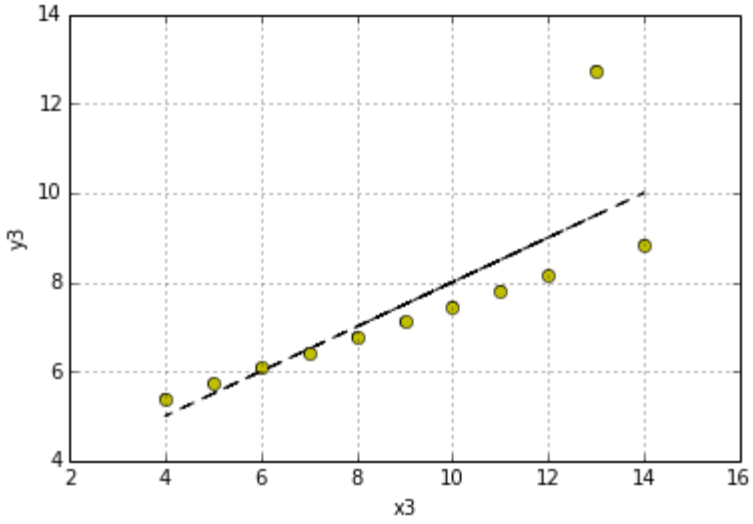
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline

cuny9 = pd.read_csv('C:/Users/Lara/Downloads/cuny9.csv')

x = cuny9.x1
y = cuny9.y1

cuny9.plot(x ='x1',y ='y1',kind = 'scatter')
m,b = np.polyfit(x,y,1)
plt.plot(x,y,'yo',x,m*x+b, '--k')
plt.xlabel("x1")
plt.ylabel("y1")

x = cuny9.x2
y = cuny9.y2
cuny9.plot(x = 'x2',y = 'y2',kind = 'scatter')
m,b = np.polyfit(x,y,1)
plt.plot(x,y,'yo',x,m*x+b, '--k')
plt.xlabel("x2")
plt.ylabel("y2")

x = cuny9.x3
y = cuny9.y3
cuny9.plot(x = 'x3',y = 'y3',kind = 'scatter')
m,b = np.polyfit(x,y,1)
plt.plot(x,y,'yo',x,m*x+b, '--k')
plt.xlabel("x3")
plt.ylabel("y3")

x = cuny9.x4
y = cuny9.y4
cuny9.plot(x = 'x4',y = 'y4',kind = 'scatter')
m,b = np.polyfit(x,y,1)
plt.plot(x,y,'yo',x,m*x+b, '--k')
plt.xlabel("x4")
plt.ylabel("y4")
```

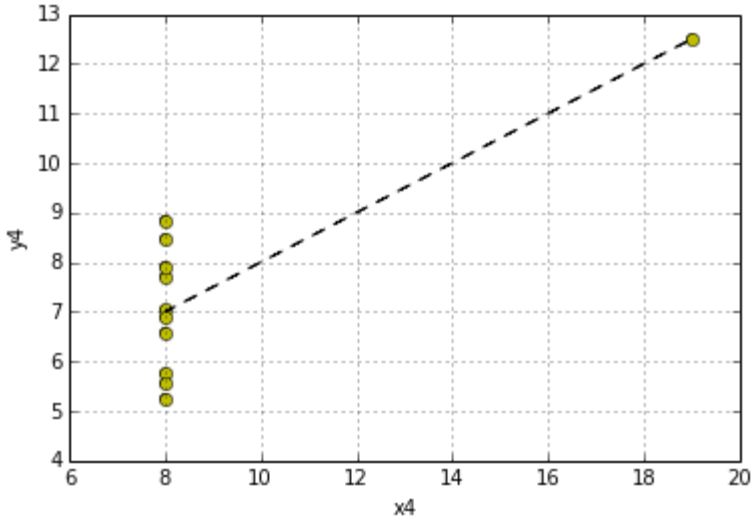
Out[1]:

```
<matplotlib.text.Text at 0x66842b0>
```


y1
x1


y2
x2


y3
x3


13
12
11
10
9
8
7
6
5
4
y4
6
8
10
12
14
16
18
20
x4