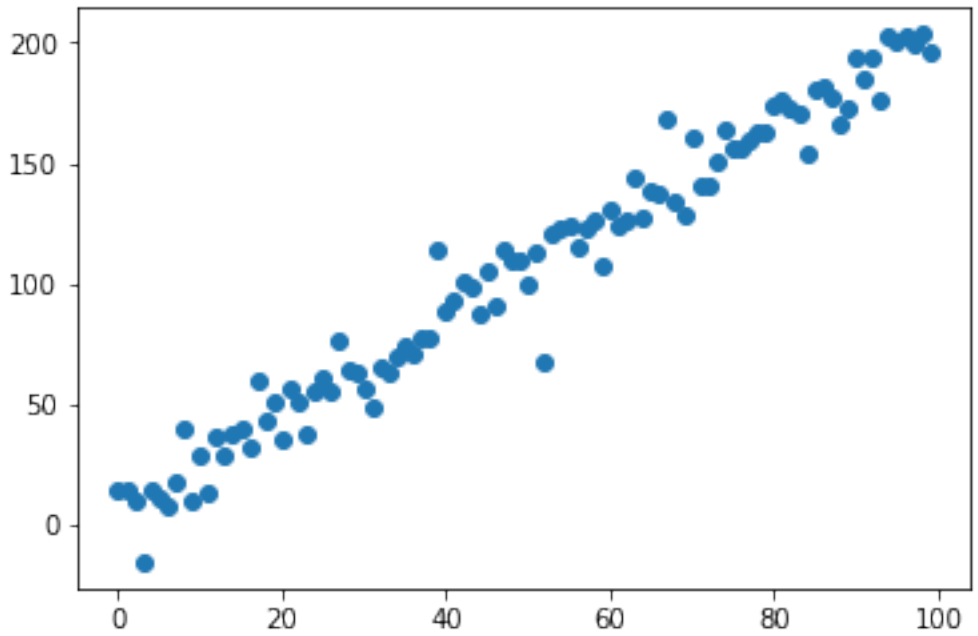
Regresion

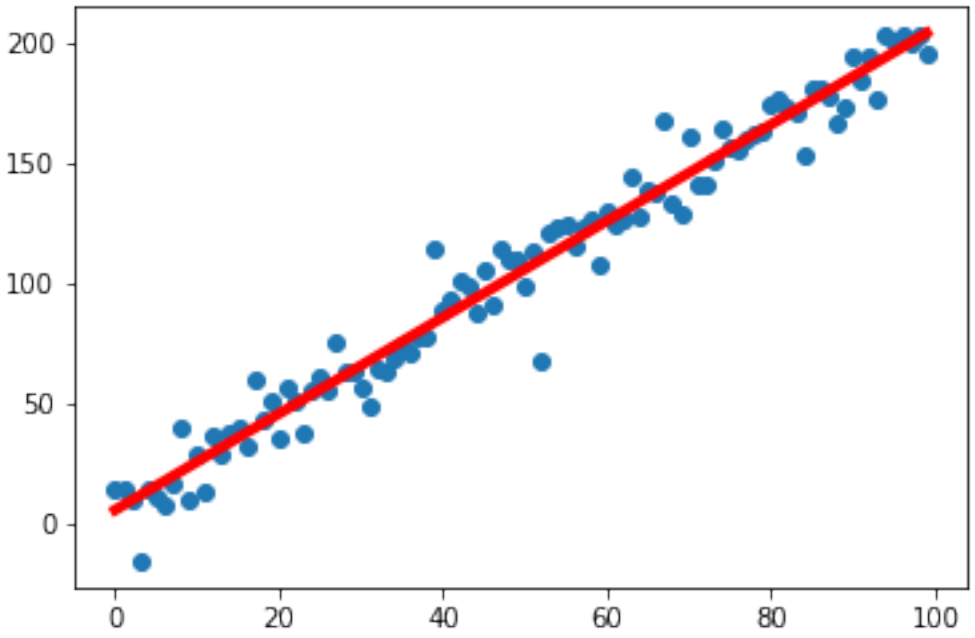
August 8, 2018

In [1]:
```
import matplotlib.pyplot as plt
%matplotlib inline
import numpy as np
from sklearn import datasets, linear_model

X = np.array(range(100))
y = 2*X+5 + np.random.normal(0,10,100)
plt.scatter(X,y)
```

Out[1]:
```
<matplotlib.collections.PathCollection at 0x7f4b3eab0710>
```



In [2]:
```
regresor = linear_model.LinearRegression()
lm = regresor.fit(X.reshape(-1,1), y.reshape(-1,1))
plt.scatter(X,y)
plt.plot(X, lm.predict(X.reshape(-1,1)), color='red', linewidth=4)
```

Out[2]: [<matplotlib.lines.Line2D at 0x7f4b3ea88ef0>]