Diabetes Dataset_Jithin

August 7, 2018

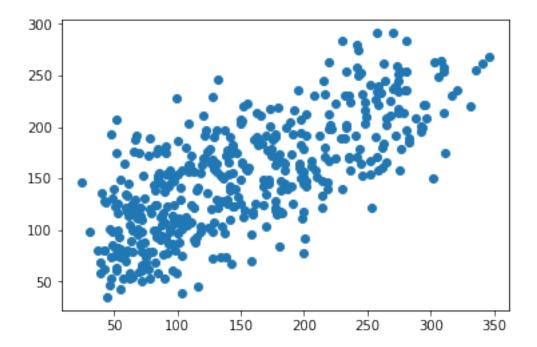
0.1 Use Diabetes Dataset from Sklearn in python and do the following

- 1) Find the coefficients
- 2) Find the mean-squared error
- 3) Find the variance score
- 4) Plot the regression line

0.1.1 Coefficients of Linear Equation, Mean Squared Error, R2 Score, Explained Variance Score

```
In [28]: import matplotlib.pyplot as plt
plt.scatter(y,y_pred)
```

Out[28]: <matplotlib.collections.PathCollection at 0x7f0411534630>



0.2 Plotting the Regression Line

In [29]: import matplotlib.pyplot as plt
plt.plot(y_pred)

Out[29]: [<matplotlib.lines.Line2D at 0x7f043b53d390>]

