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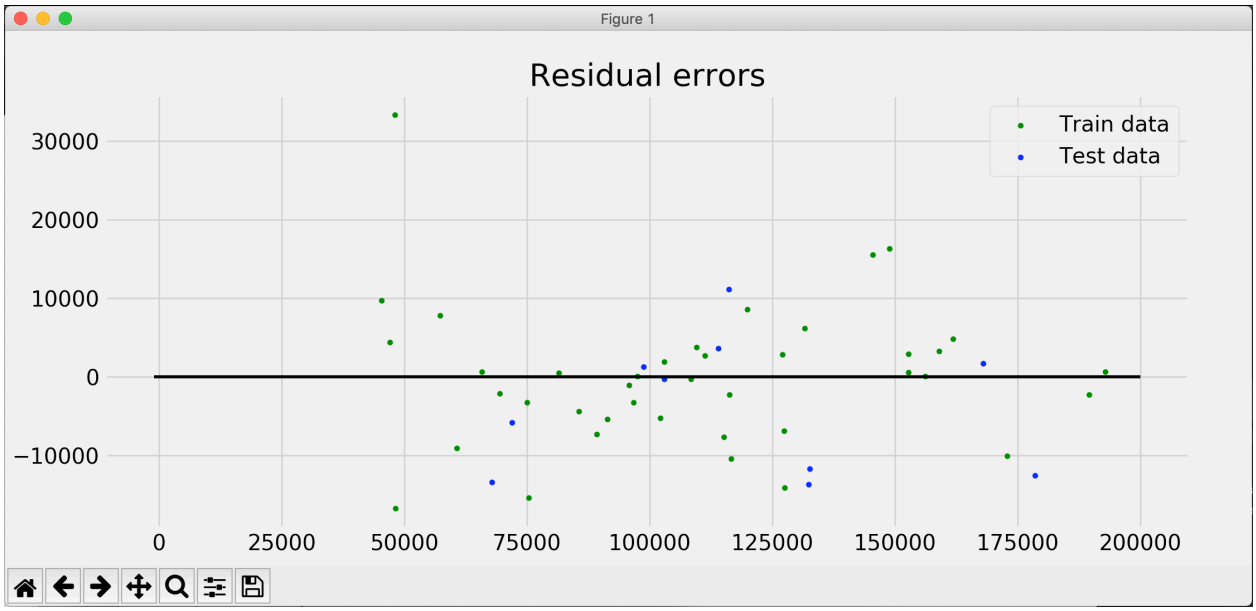
2/4/2019
Assignment 5- Screen shots
Dr.Aledhari
CS4267-Machine Learning

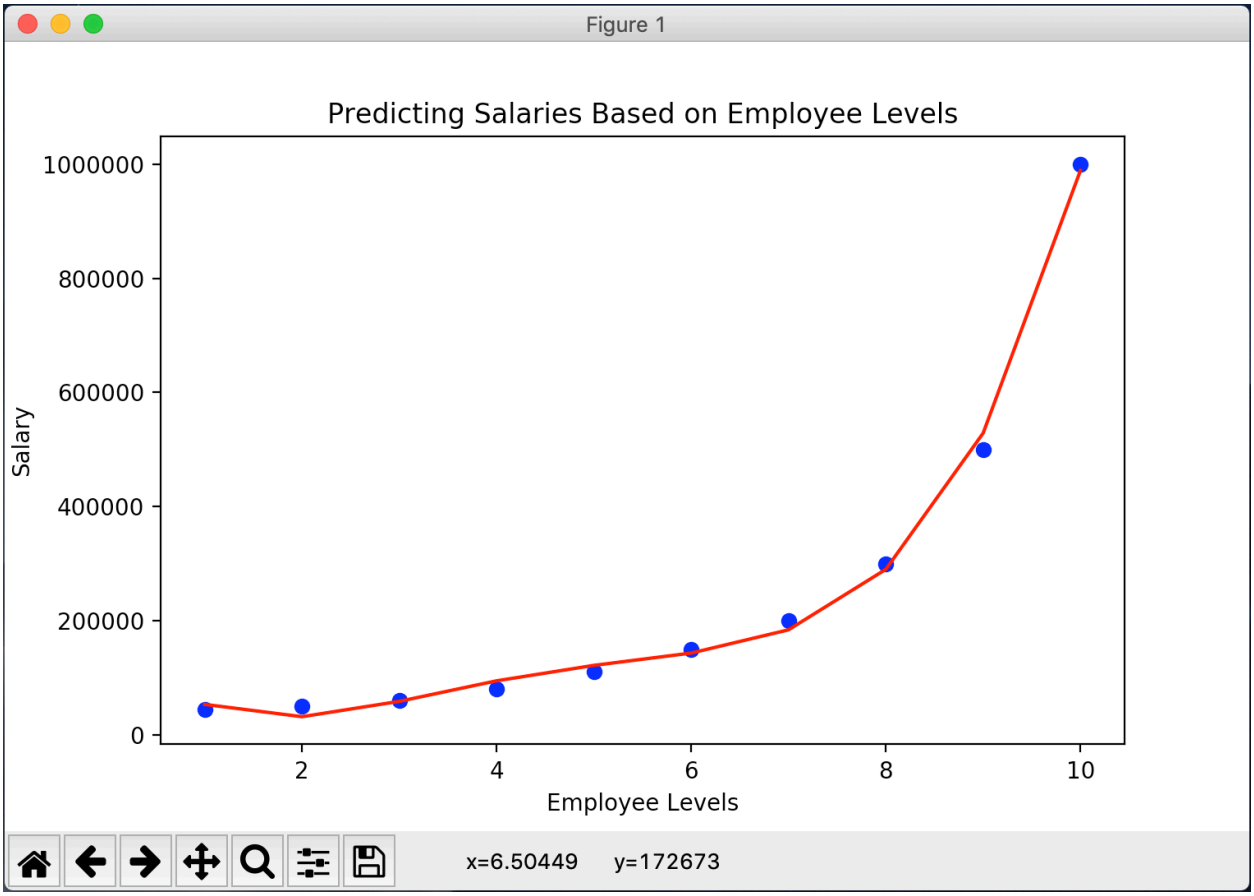
Simple Linear Regression

Multiple Regression




```
==== RESTART: /Users/noranjc/Documents/Python/Machine Learning/MultReg.py ====
Coefficients:
 [ 7.73467193e-01  3.28845975e-02  3.66100259e-02 -6.99369053e+02
 -1.65865321e+03]
Variance score: 0.9347068473294996
Prediction:
[103015.20159776 132582.27760831 132447.73845184  71976.09851266
 178537.4822107  116161.24230157  67851.69209689  98791.73374679
 113969.43533008 167921.06569569]
Based on the results, product_1 would yield a better profit at a particular city  and overall.
```

Polynomial Regression




```
==== RESTART: /Users/norahjc/Documents/Python/Machine Learning/Polyke
Estimated salary to a new hire employee at level 6.5:
[158862.45265155]
```