

# 1

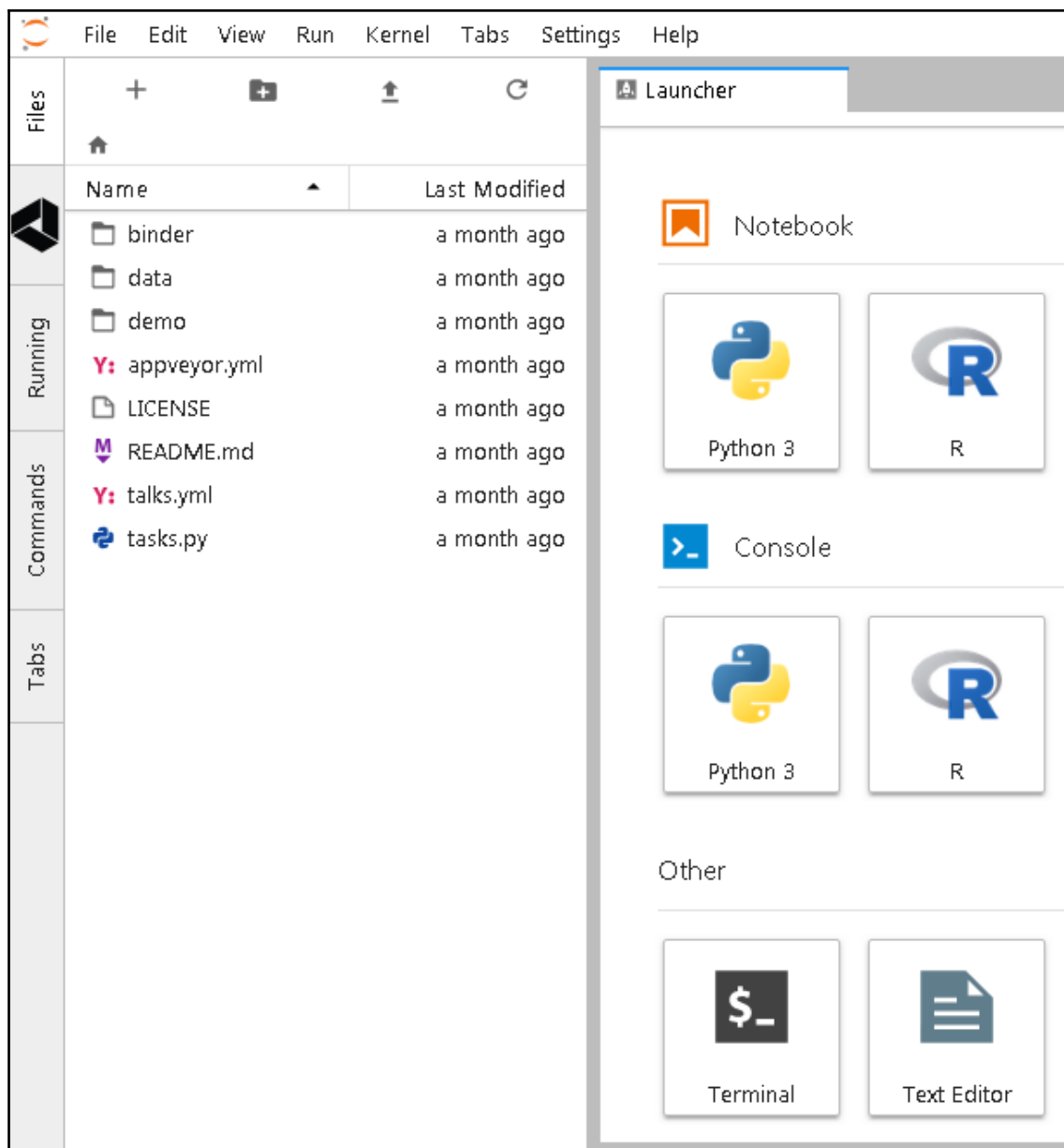
## Graphic bundle

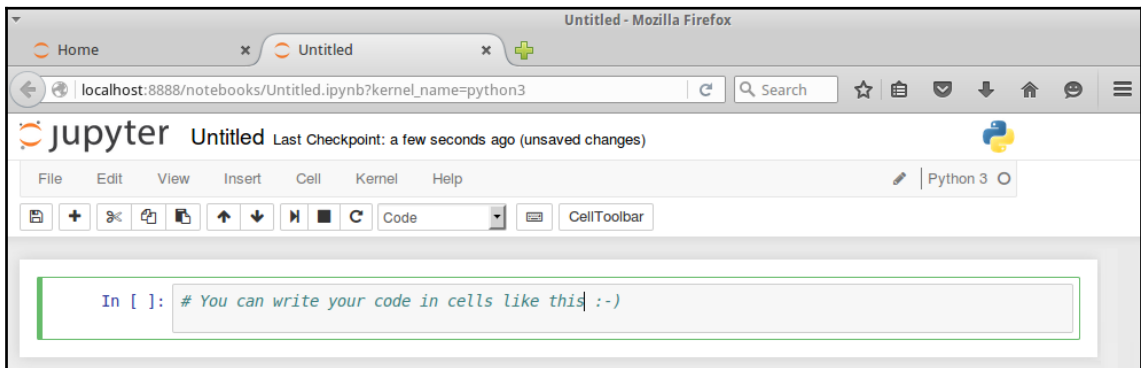
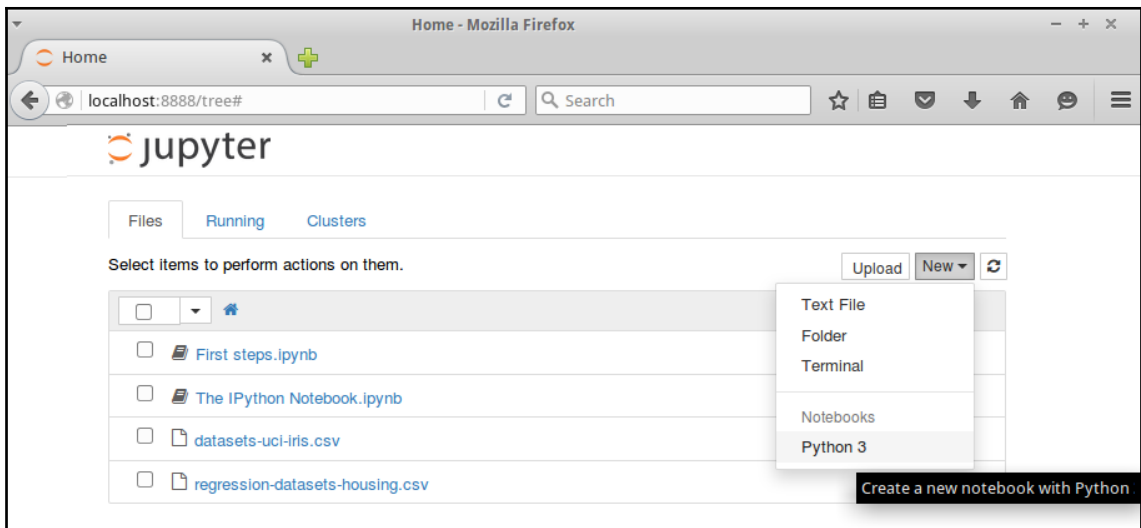
### Chapter 1: First Steps

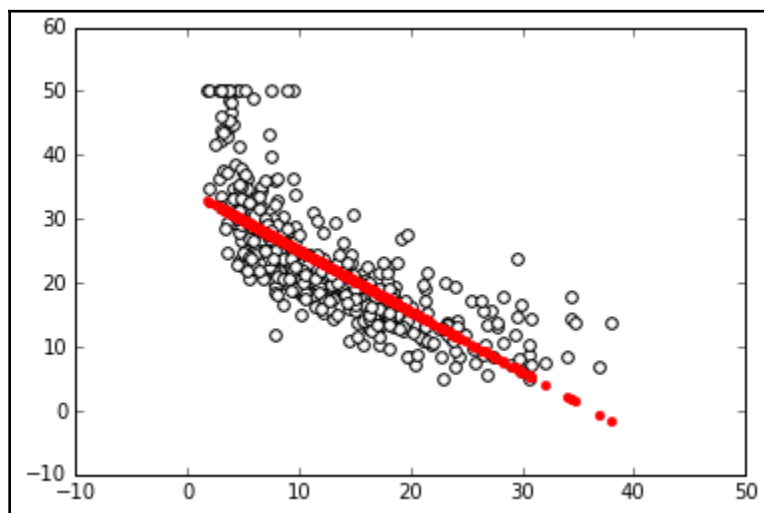
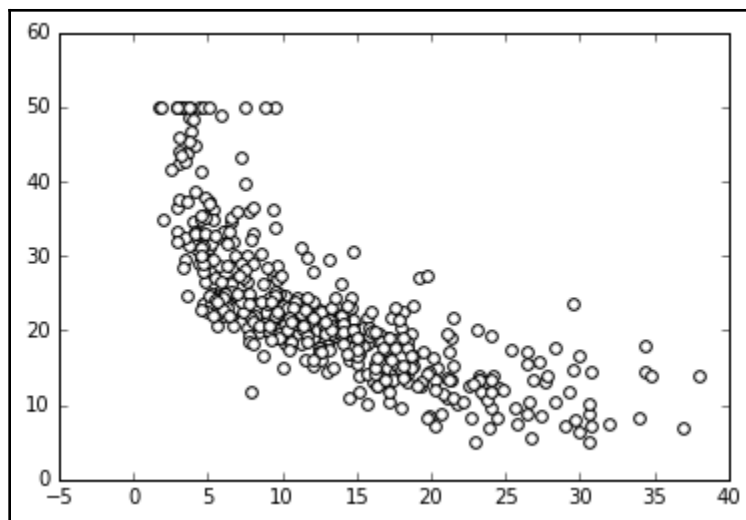
This is a *TEX* inline equation:  $x = Ax + b$

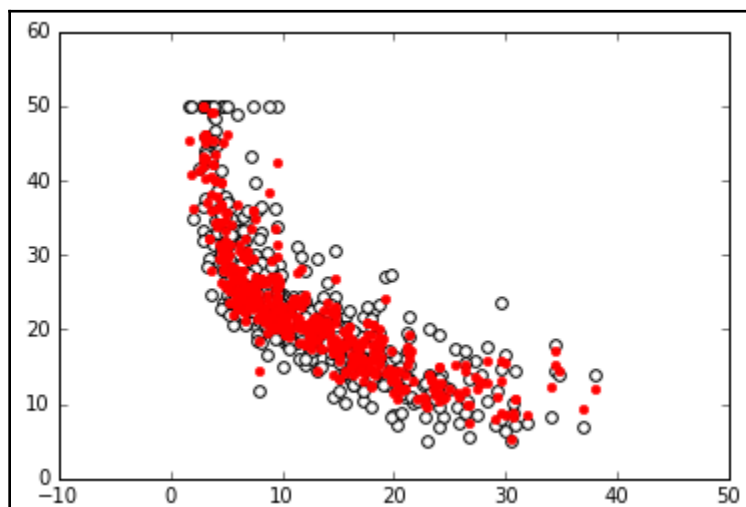
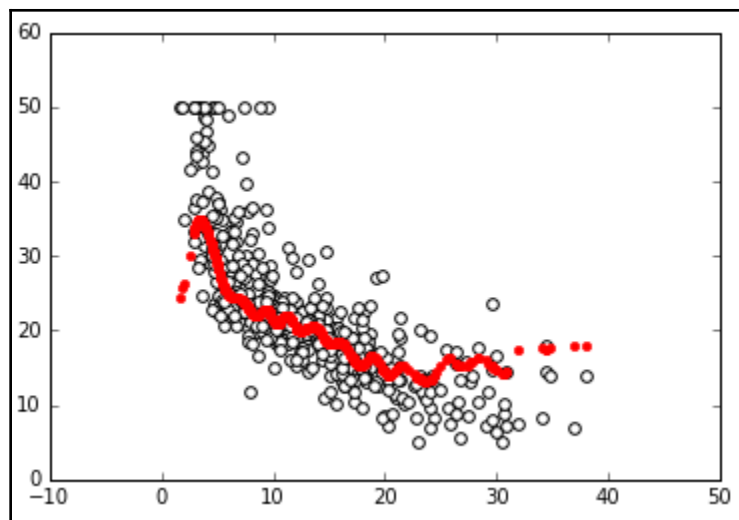
And this is a one-liner:

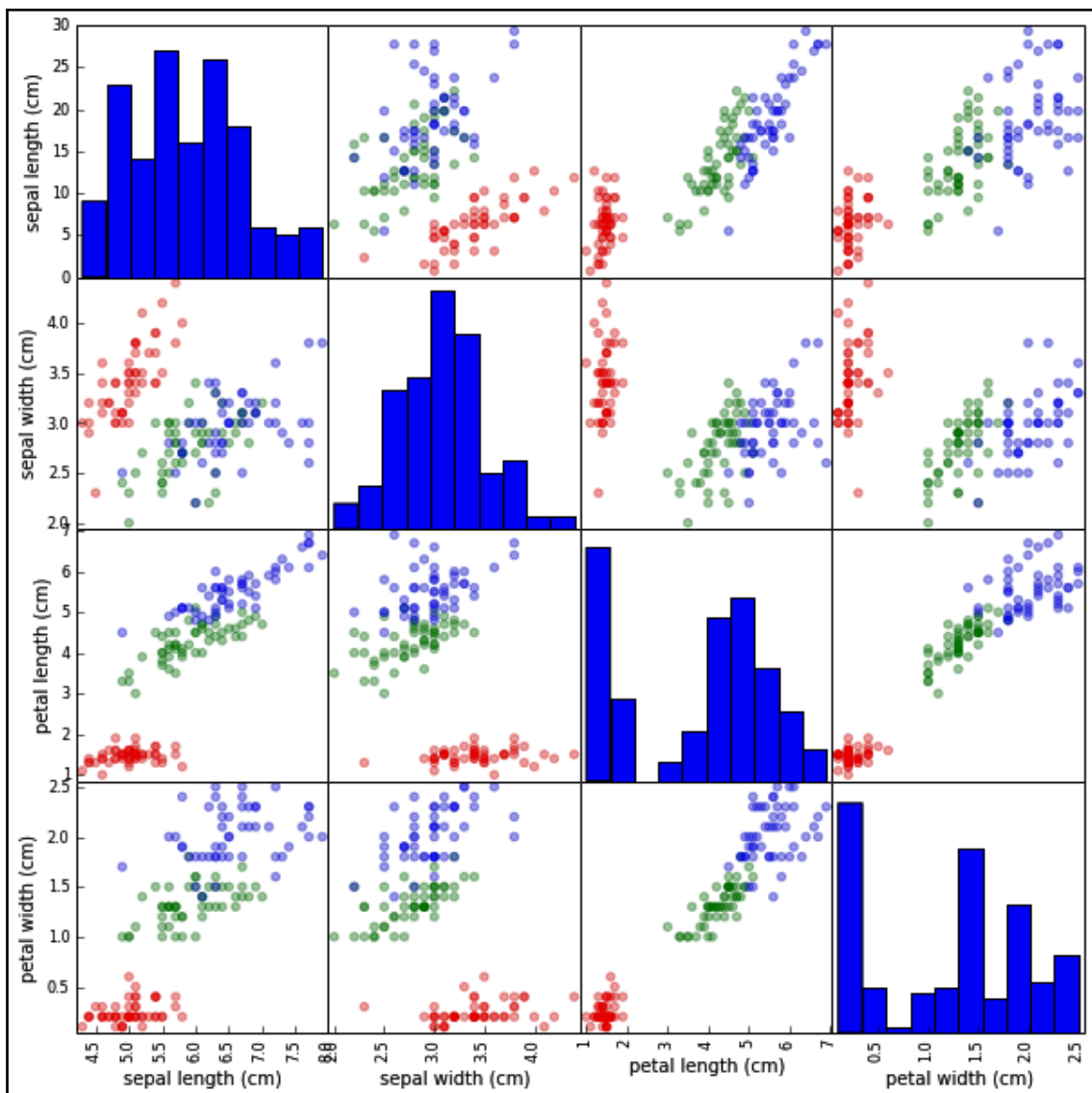
$$x = Ax + b$$



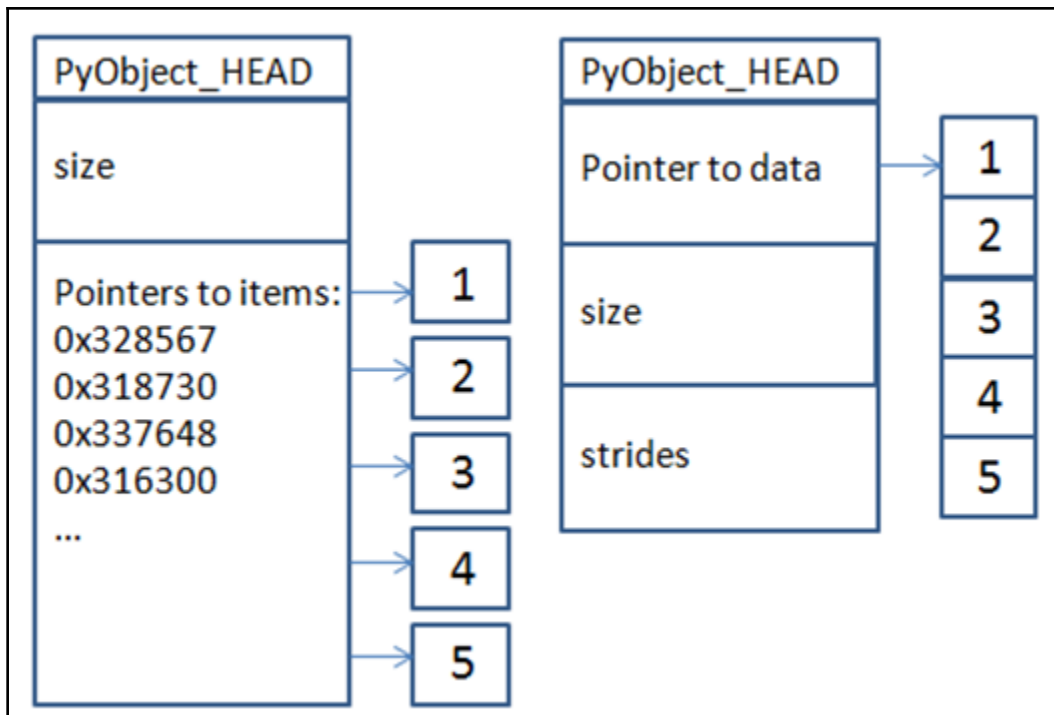
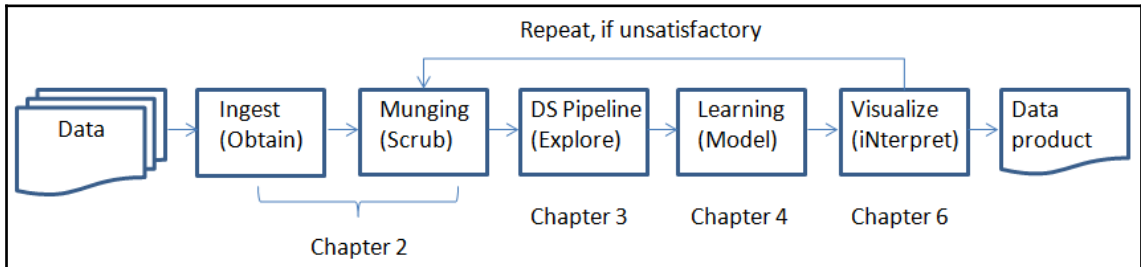


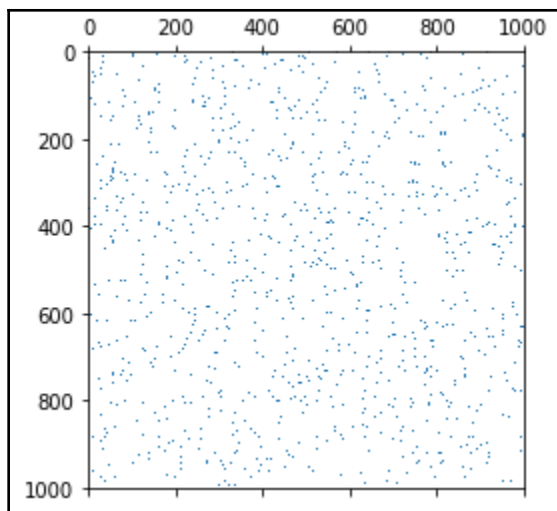






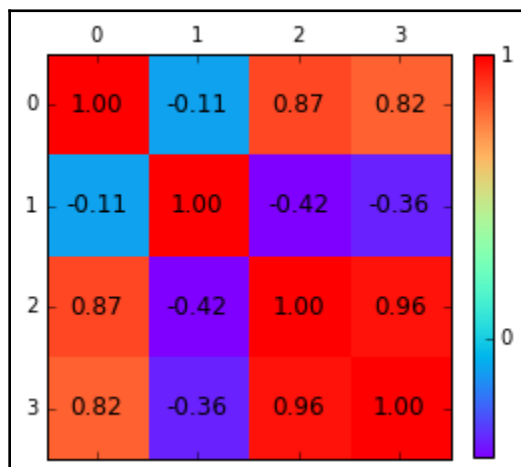
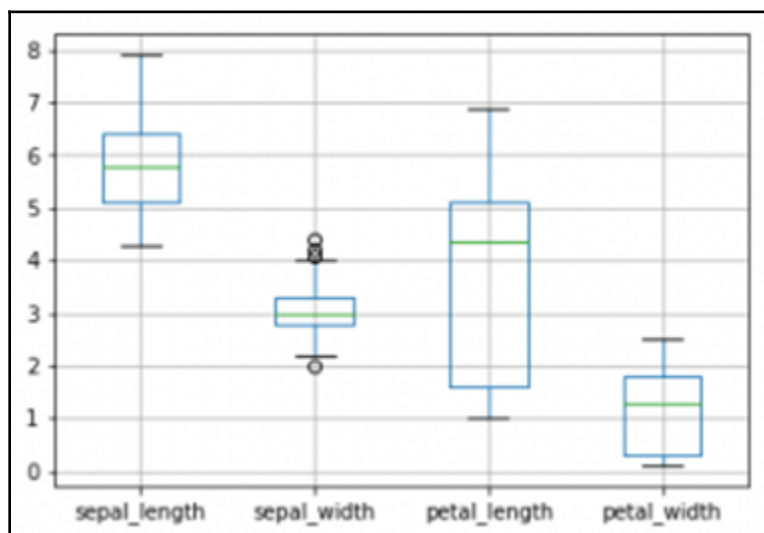
## Chapter 2: Data Munging

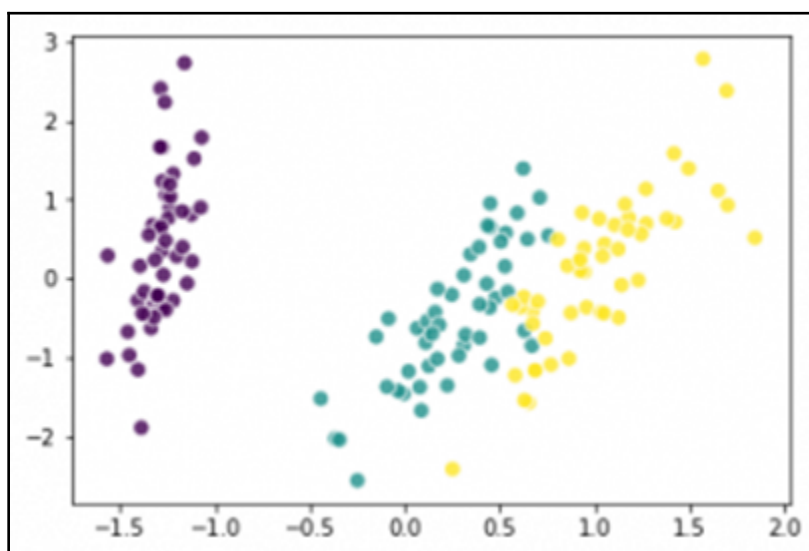
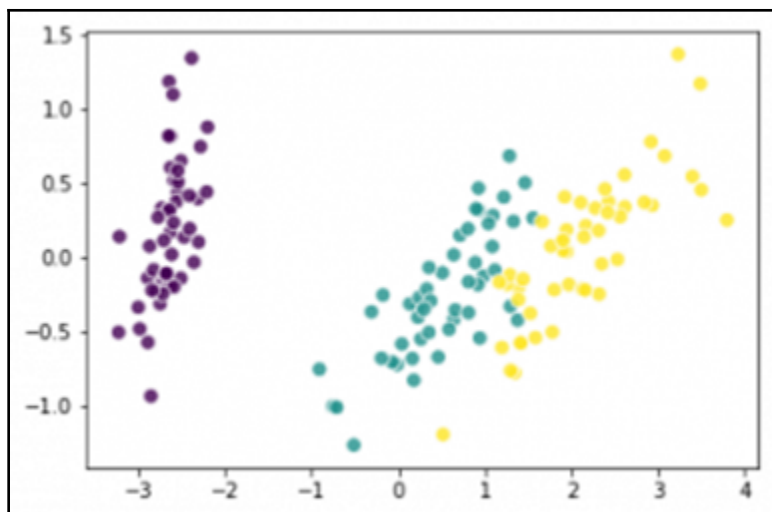


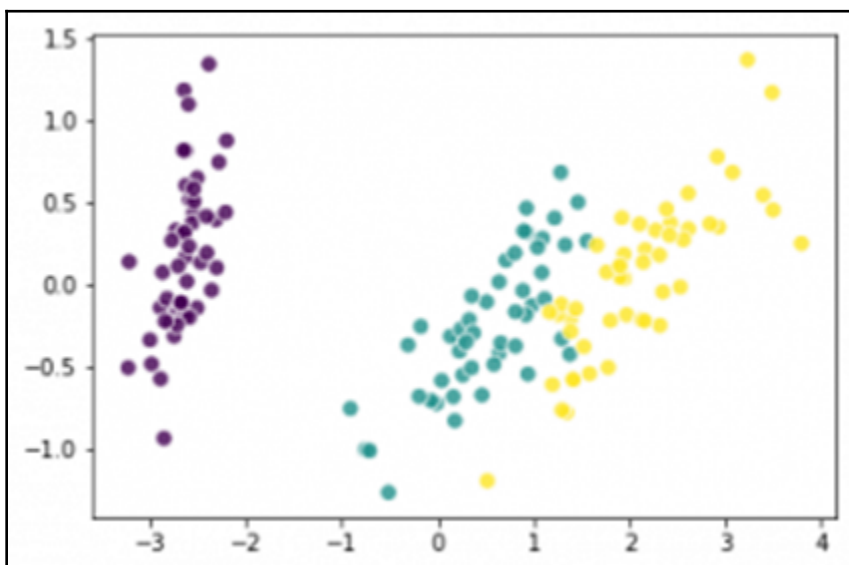
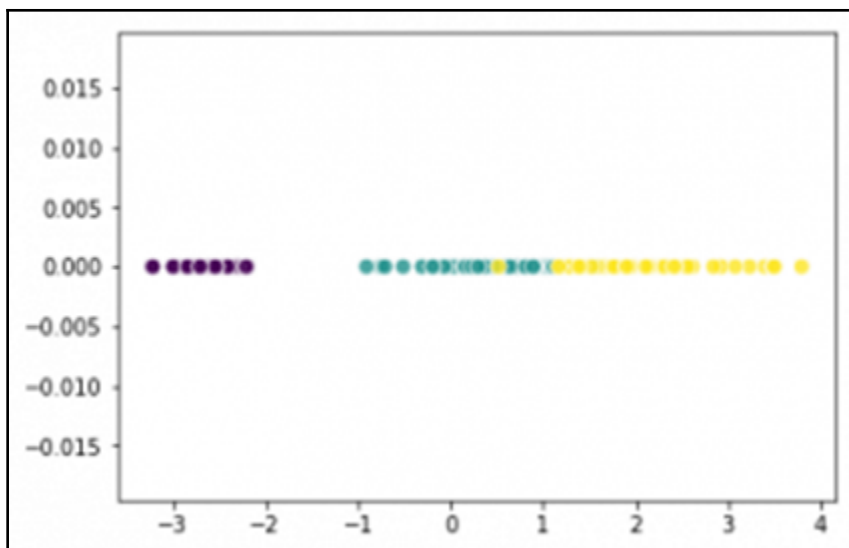


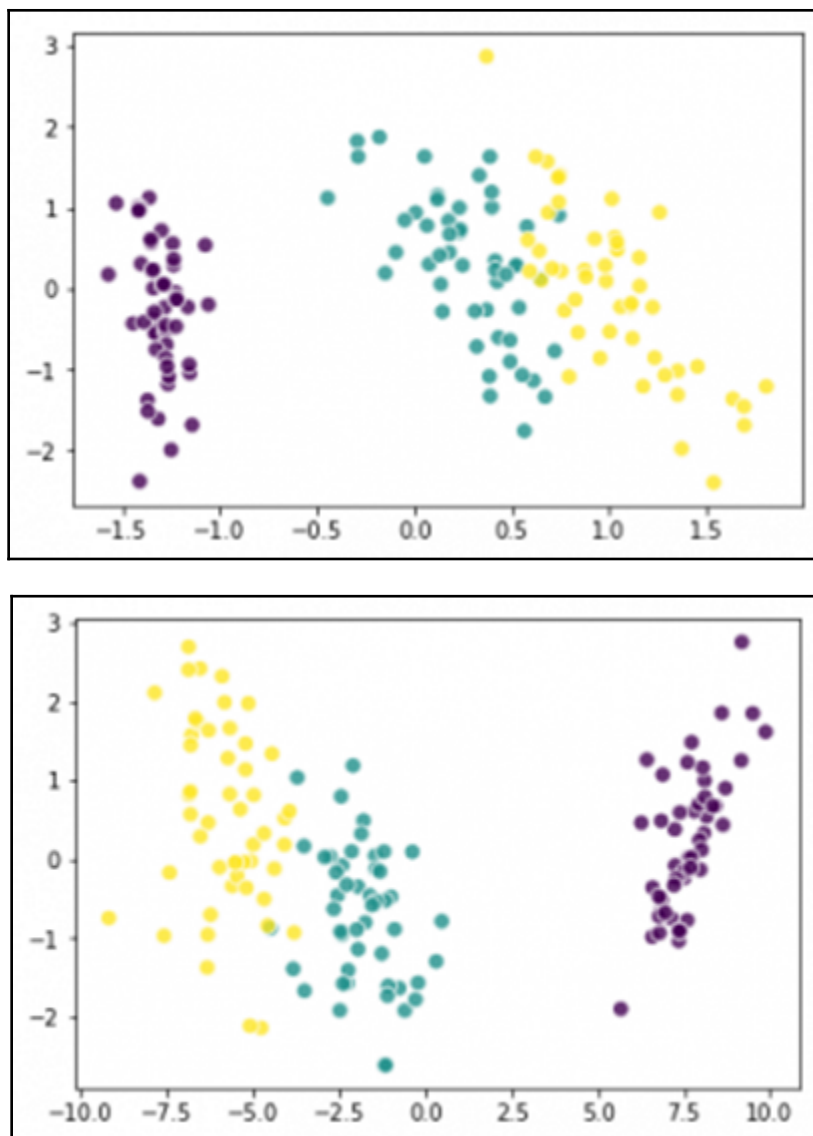


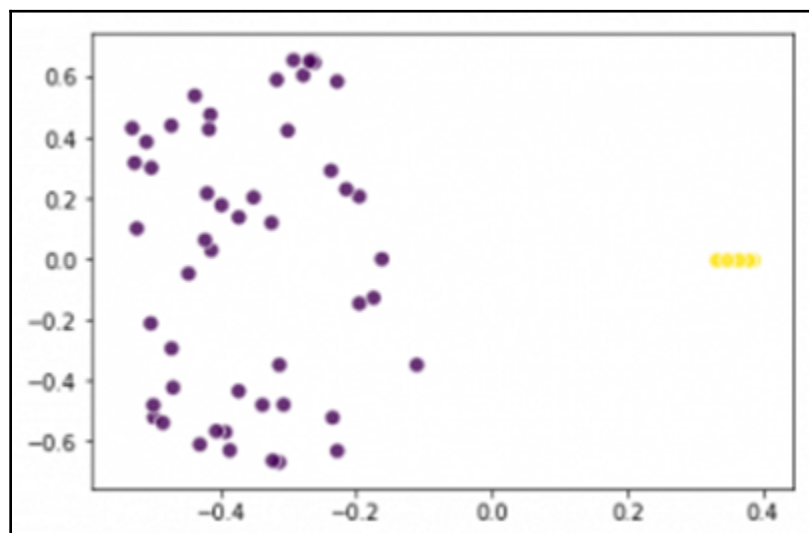
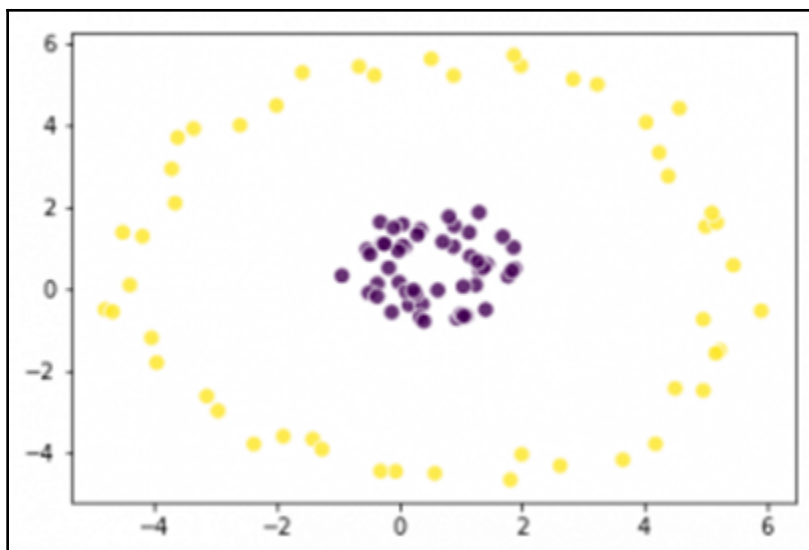
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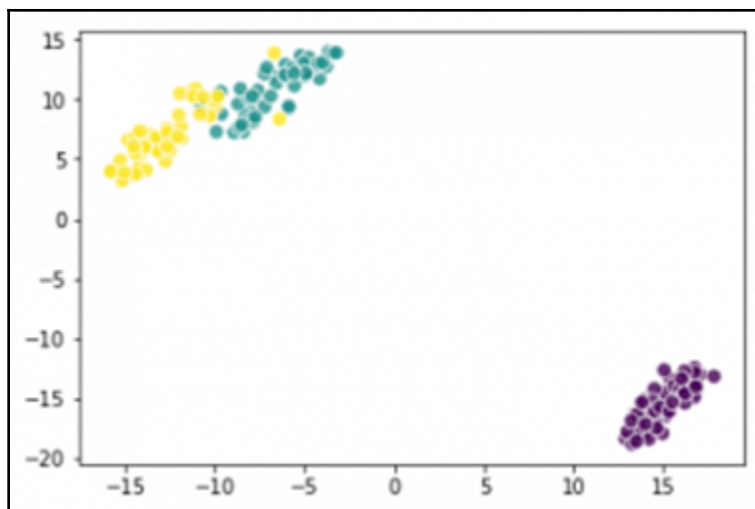






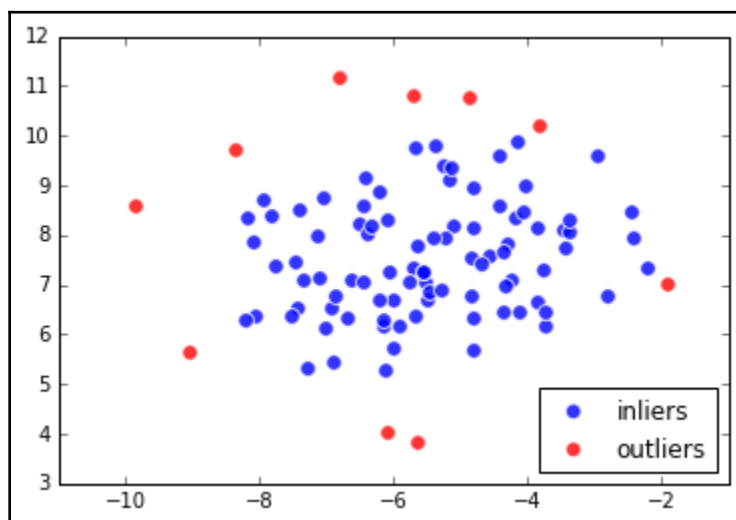
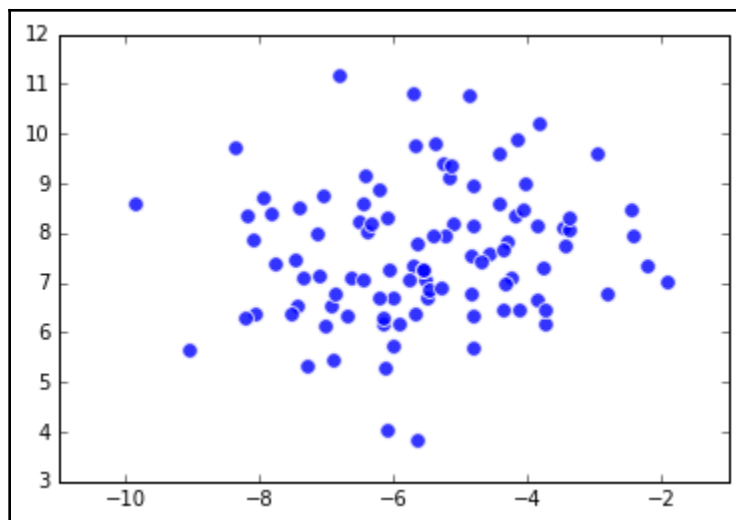


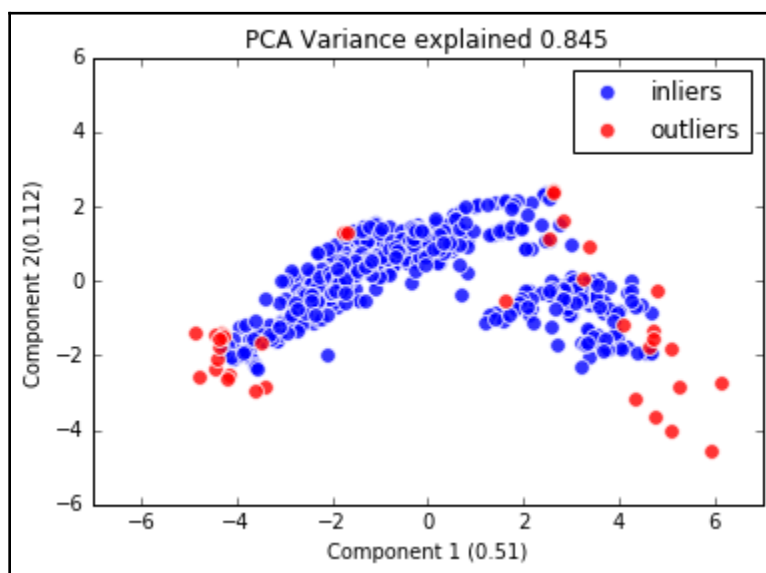
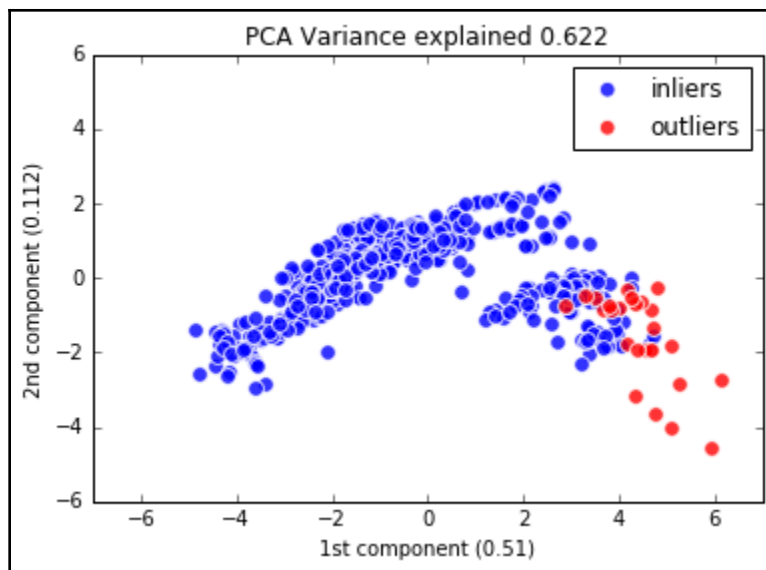




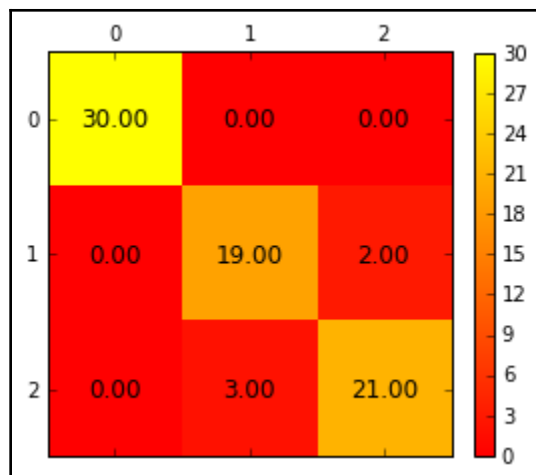
64 components extracted by RBM



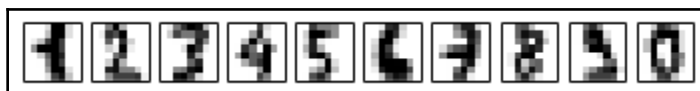
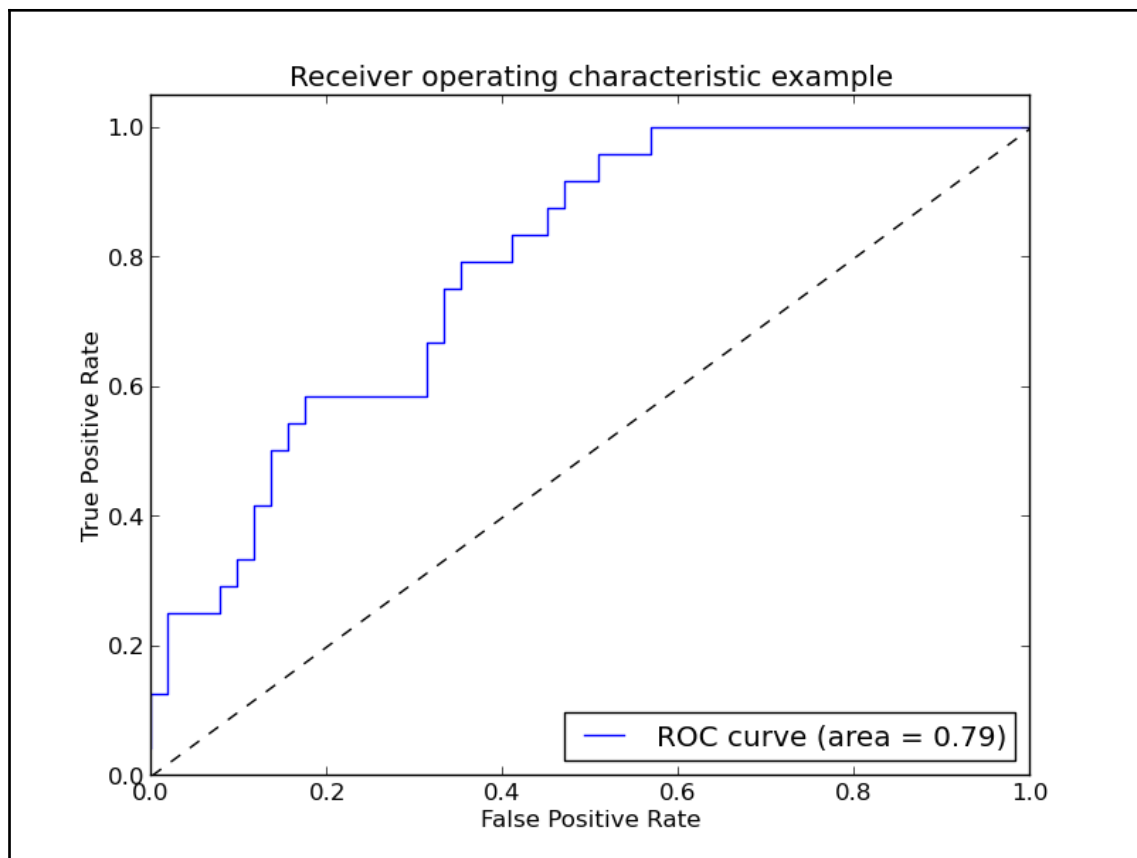


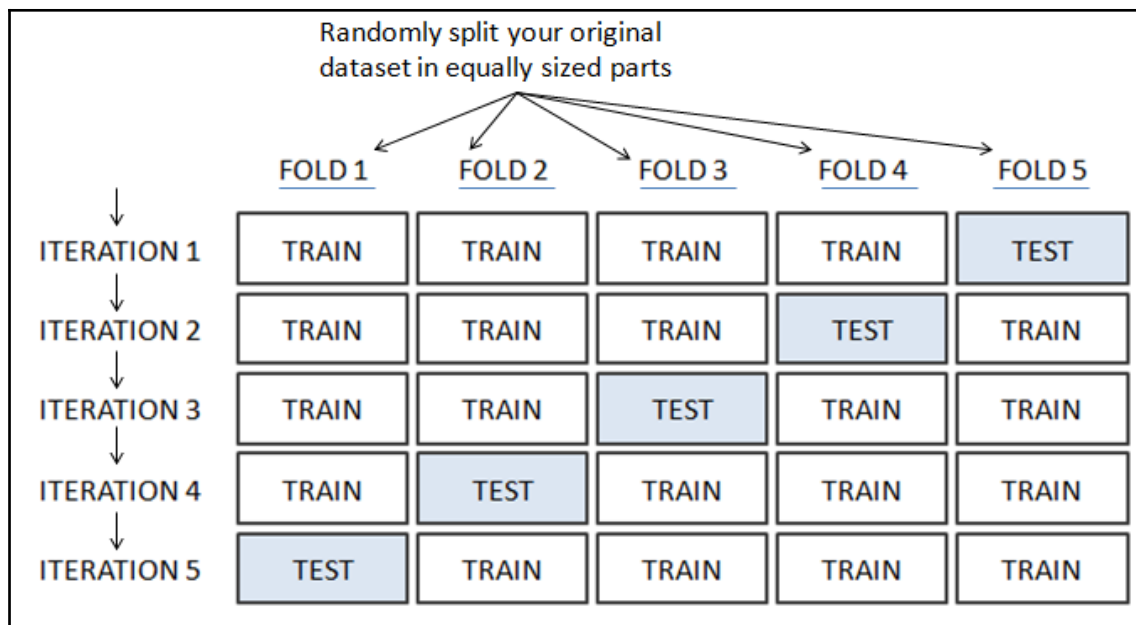




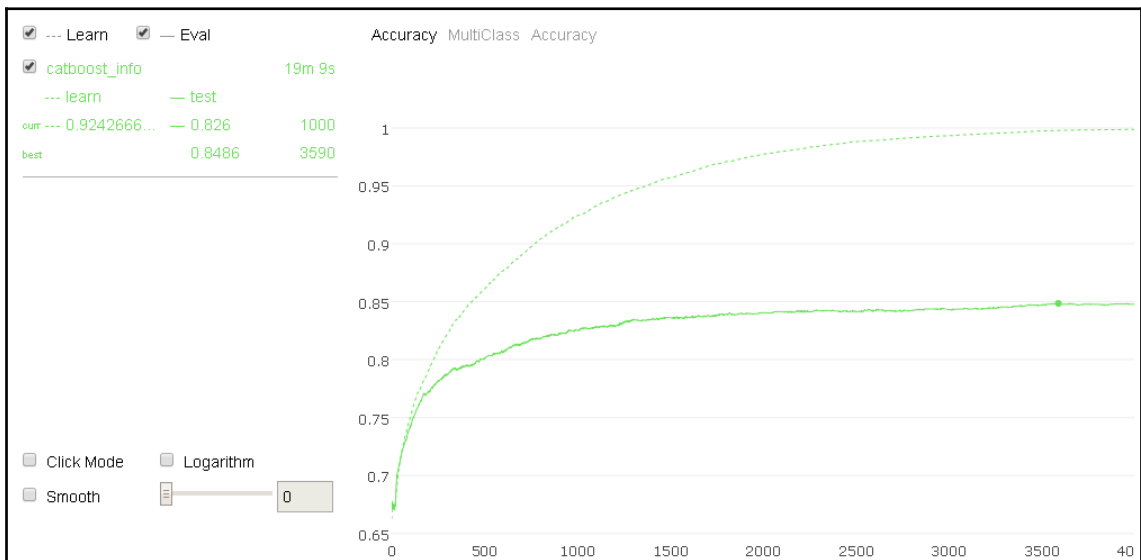
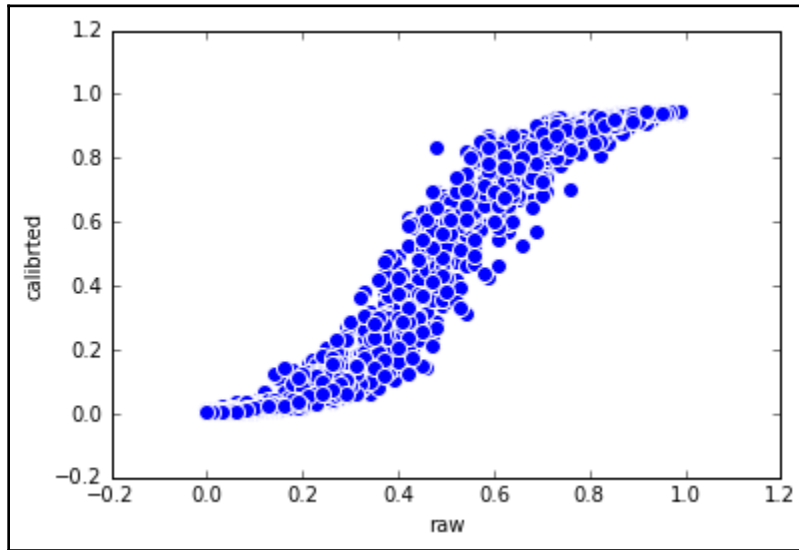


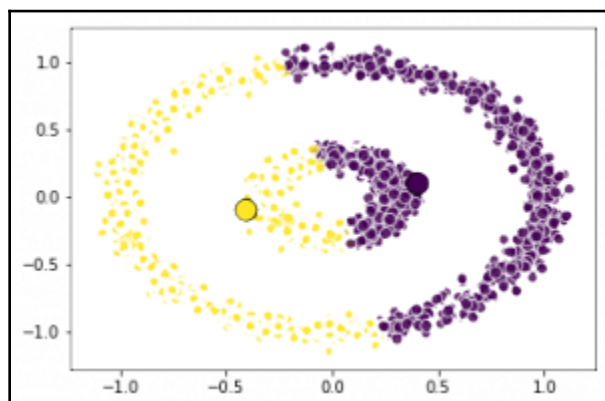
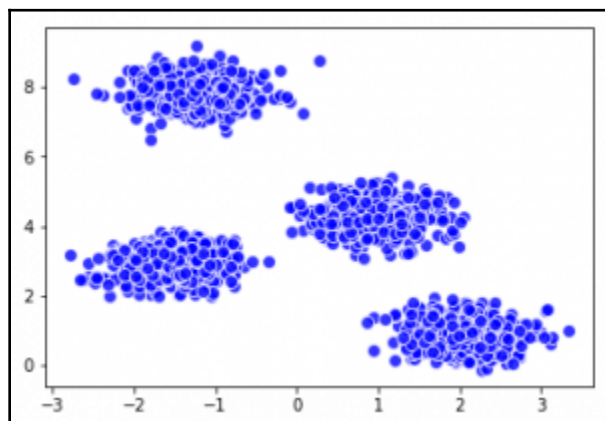
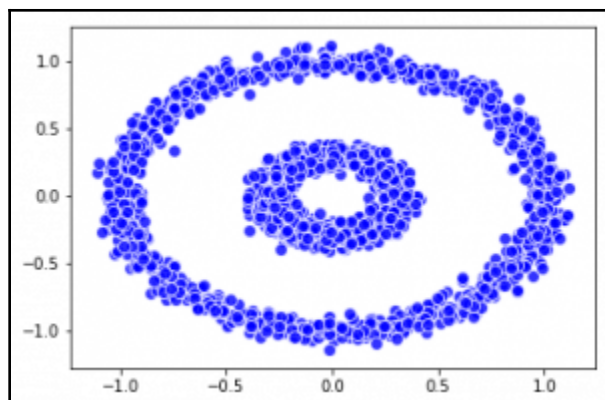
	precision	recall	f1-score	support
setosa	1.00	1.00	1.00	30
versicolor	0.90	0.86	0.88	22
virginica	0.88	0.91	0.89	23
avg / total	0.93	0.93	0.93	75

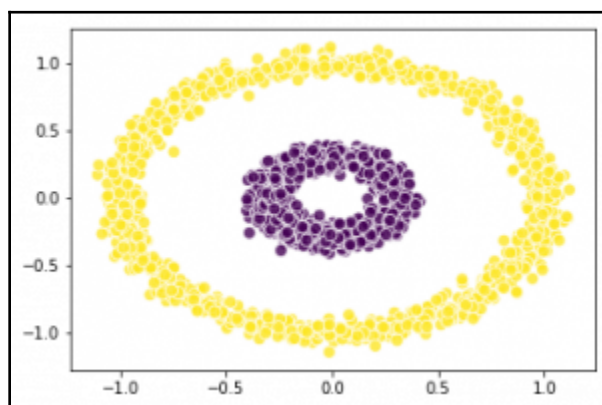
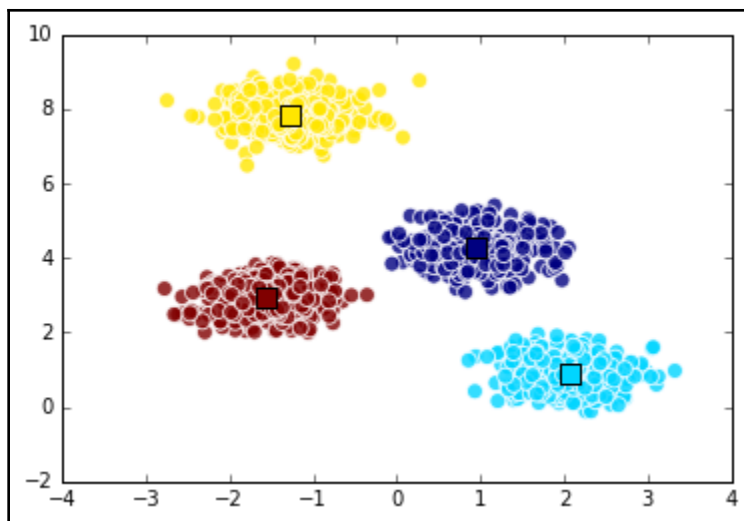


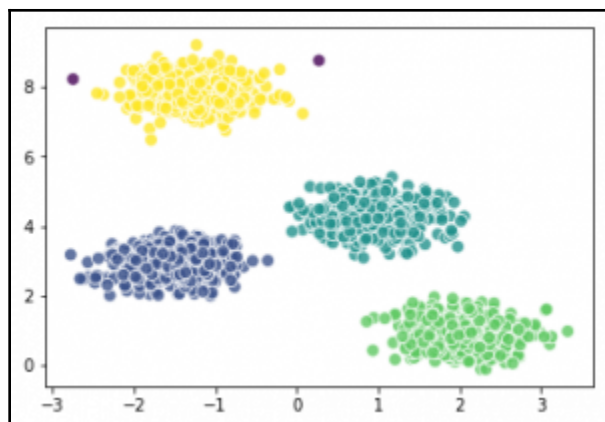


## Chapter 4: Machine Learning

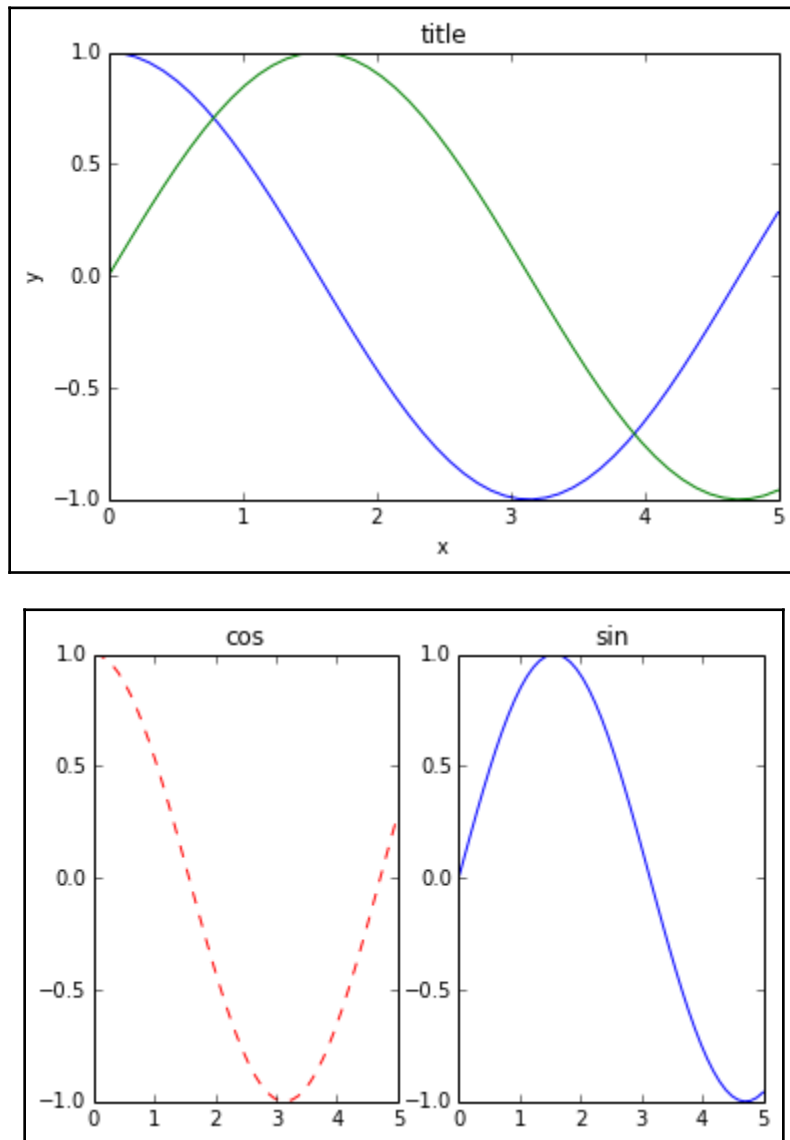




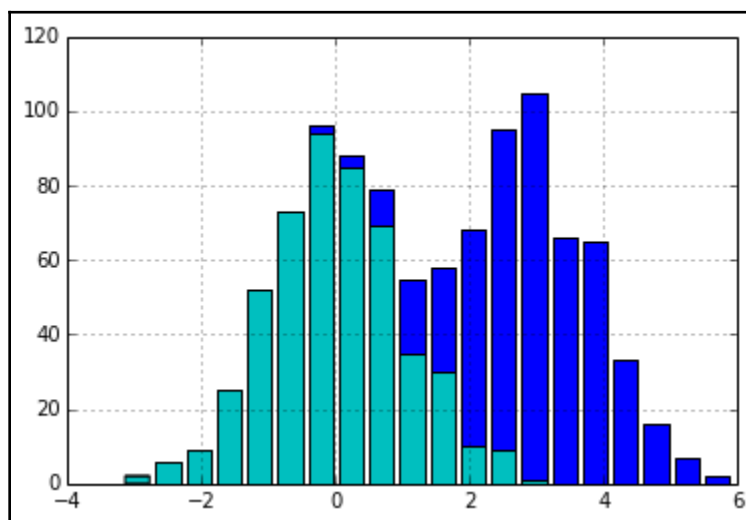
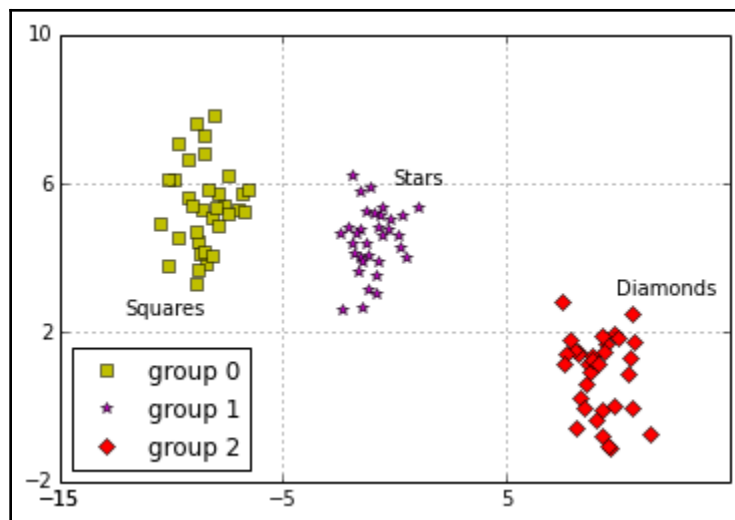


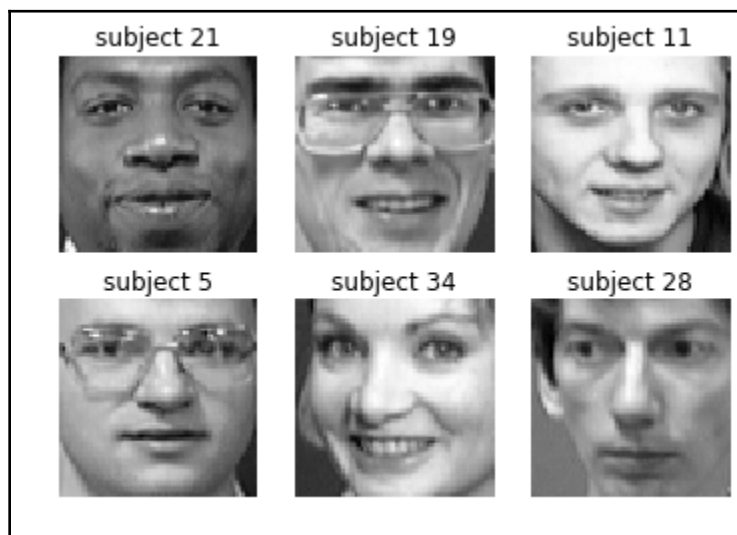
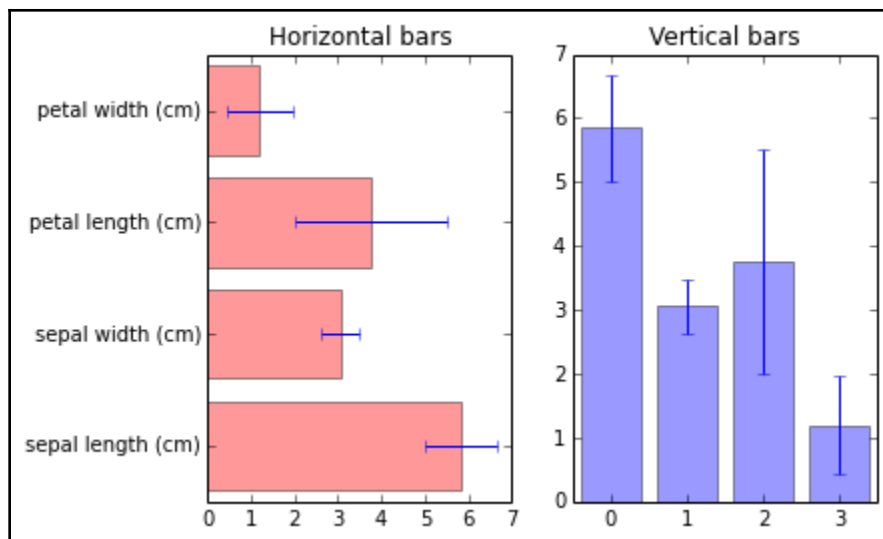


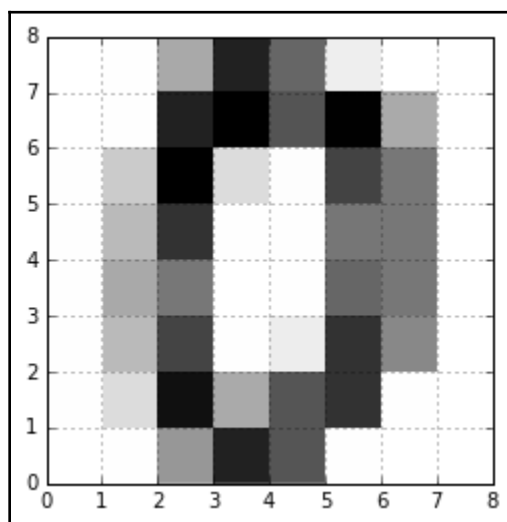
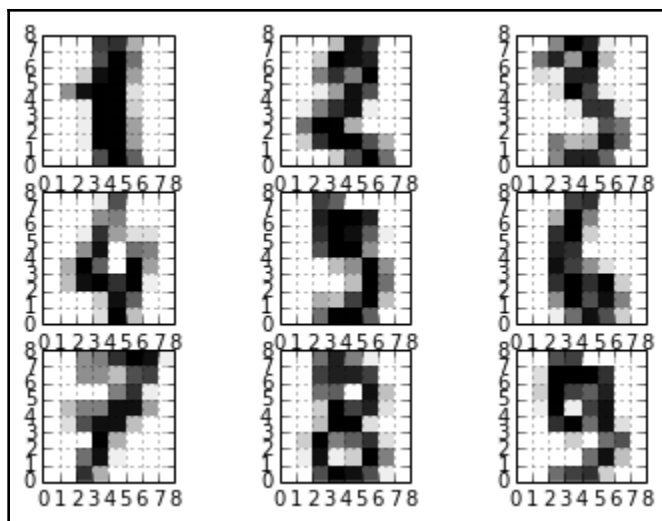
## Chapter 5: Visualization, Insights, and Results

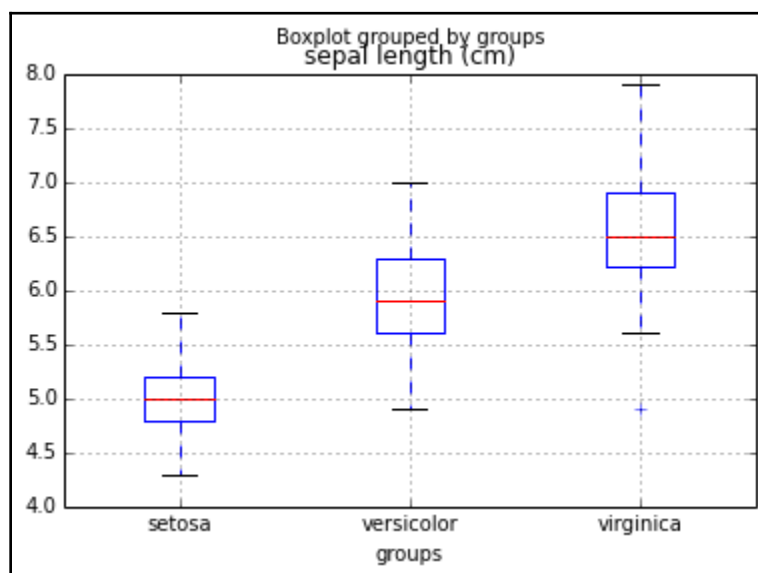
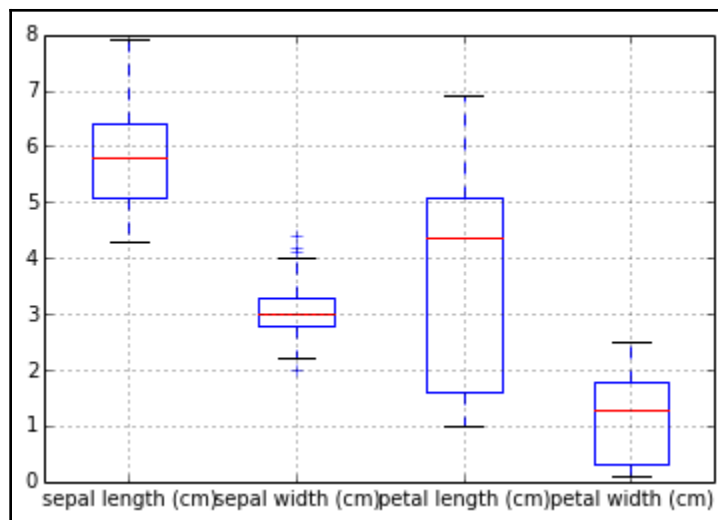


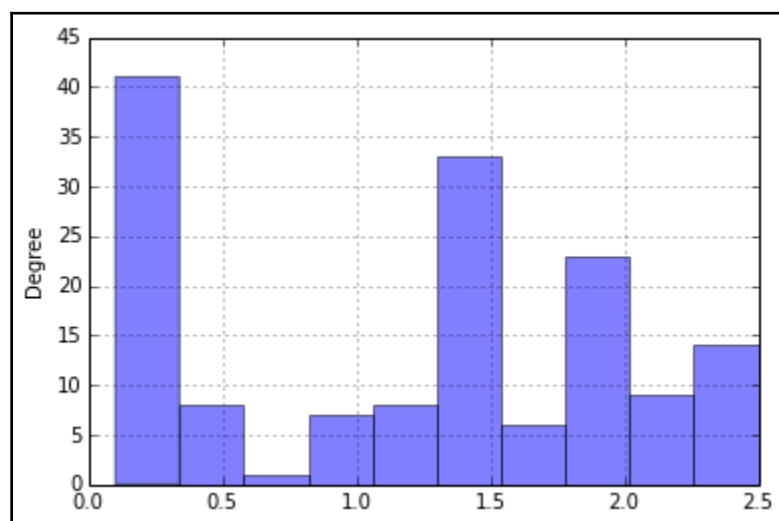
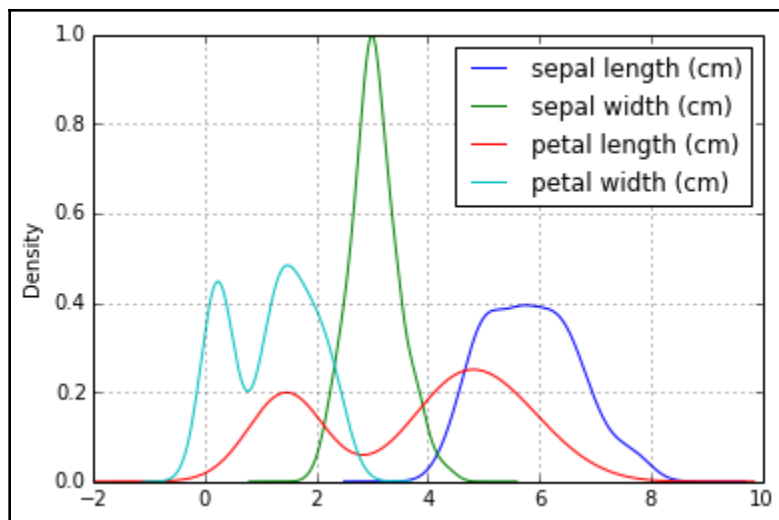


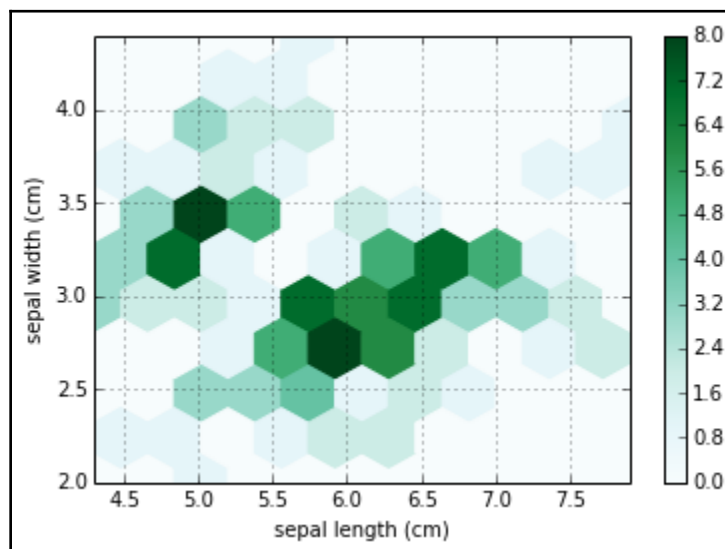
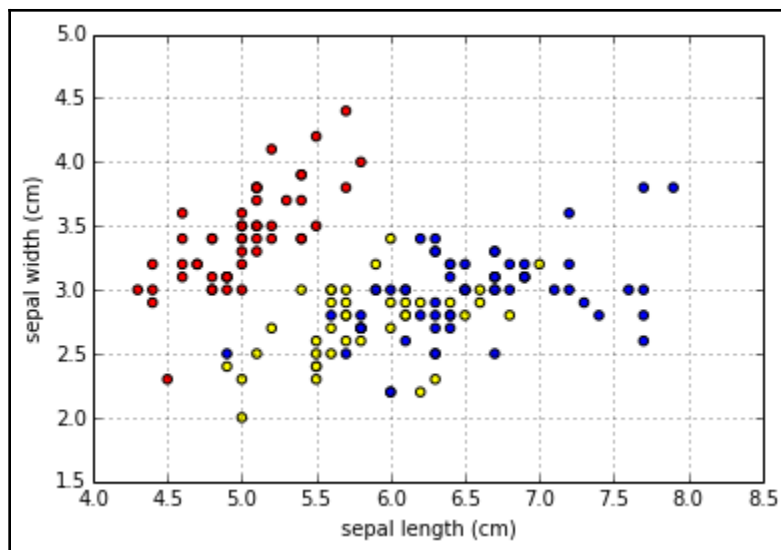


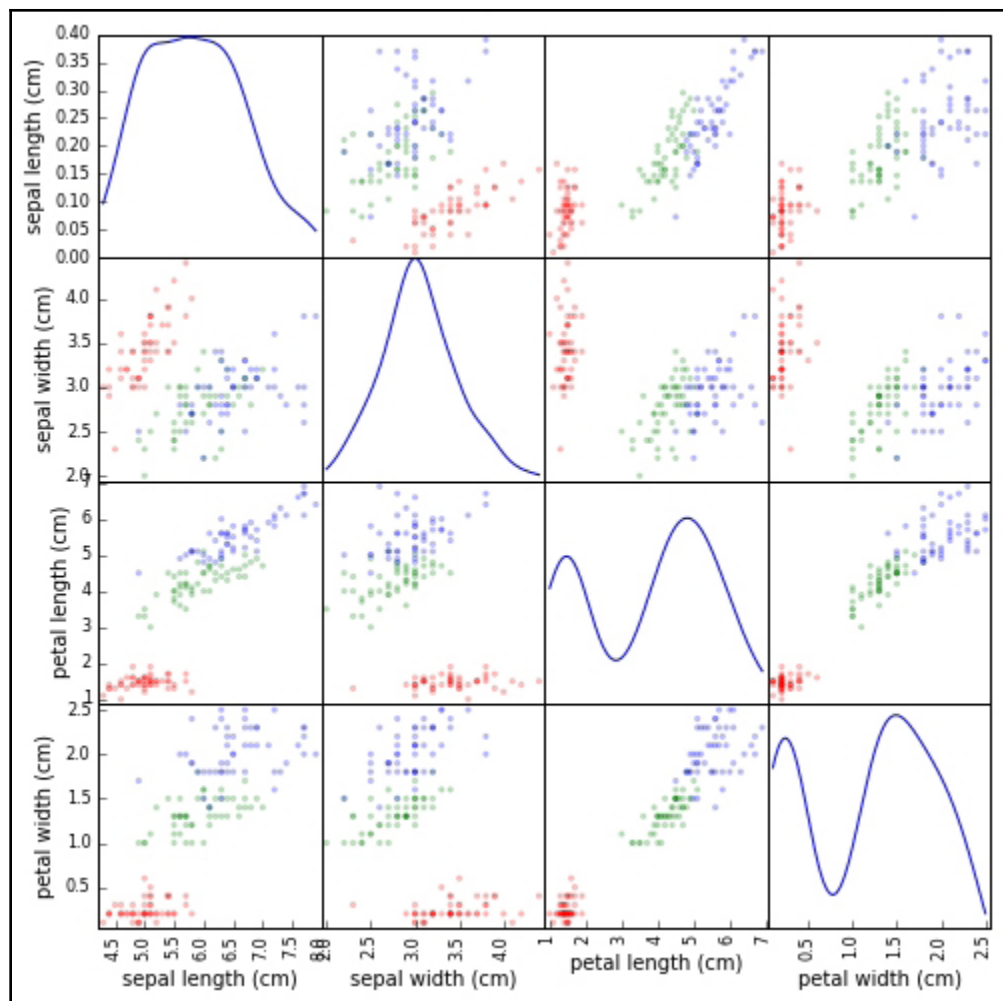


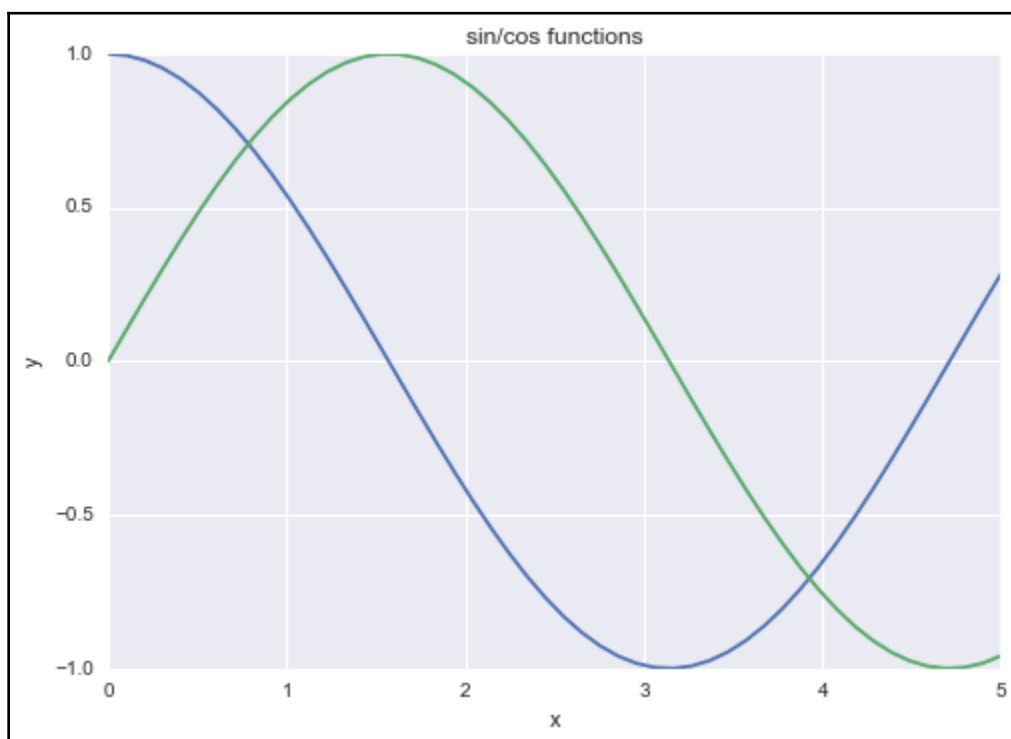
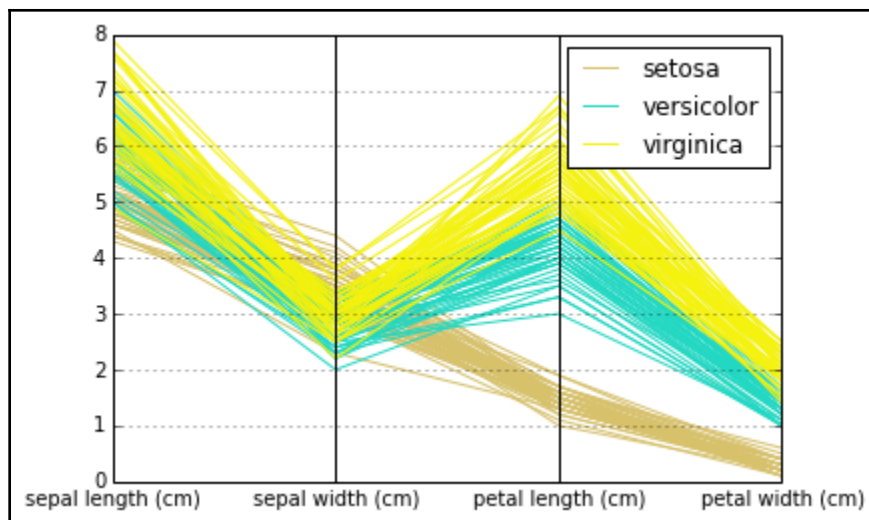




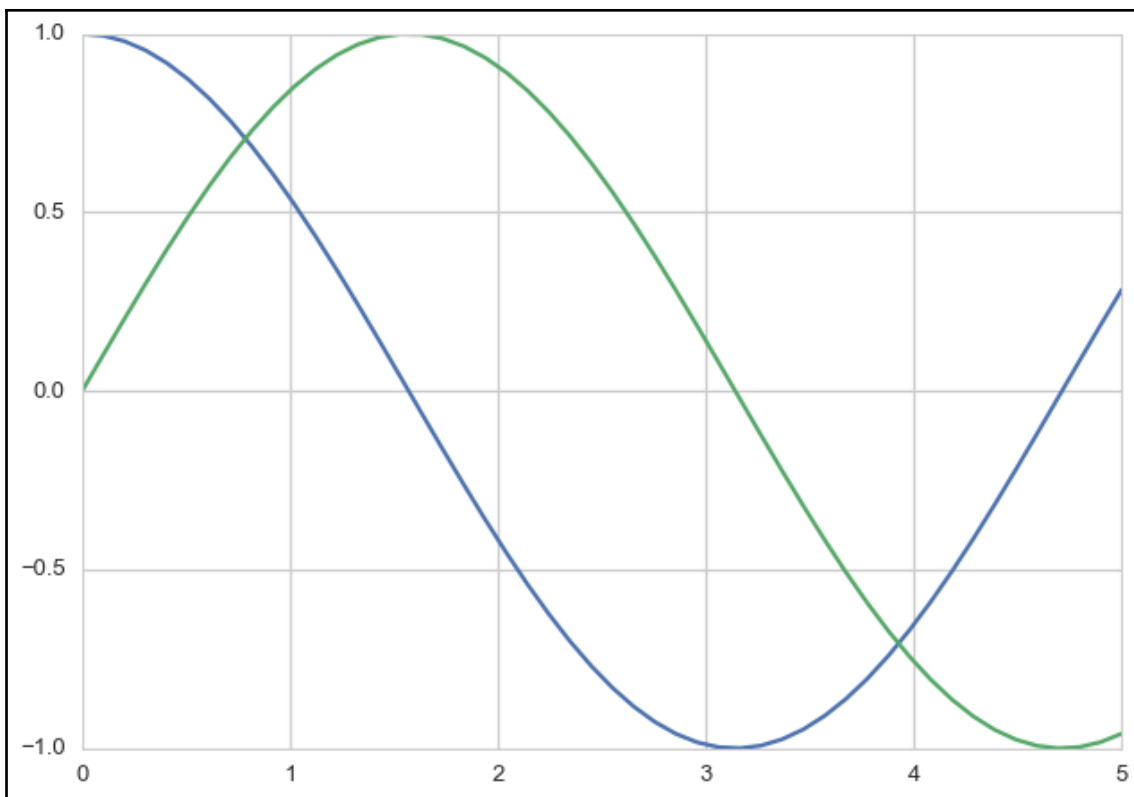






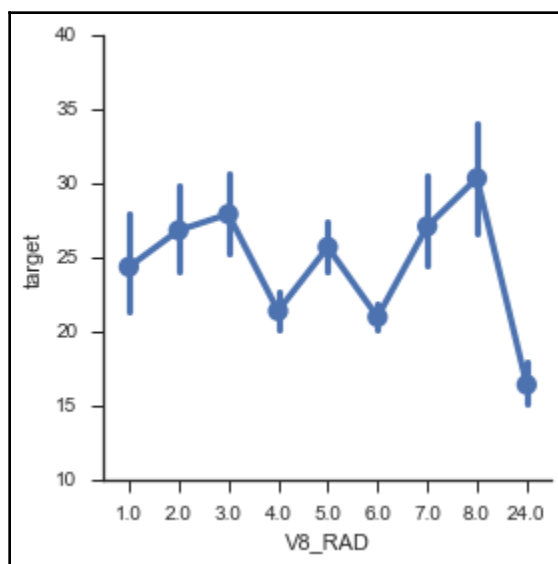
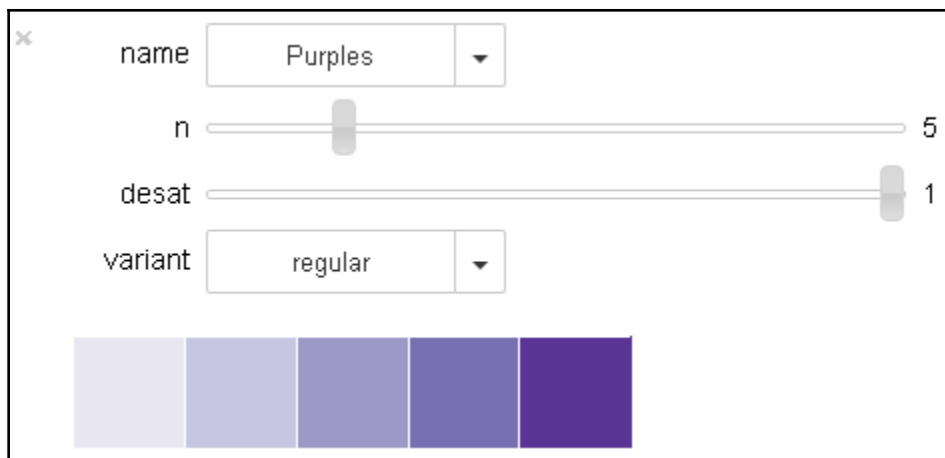


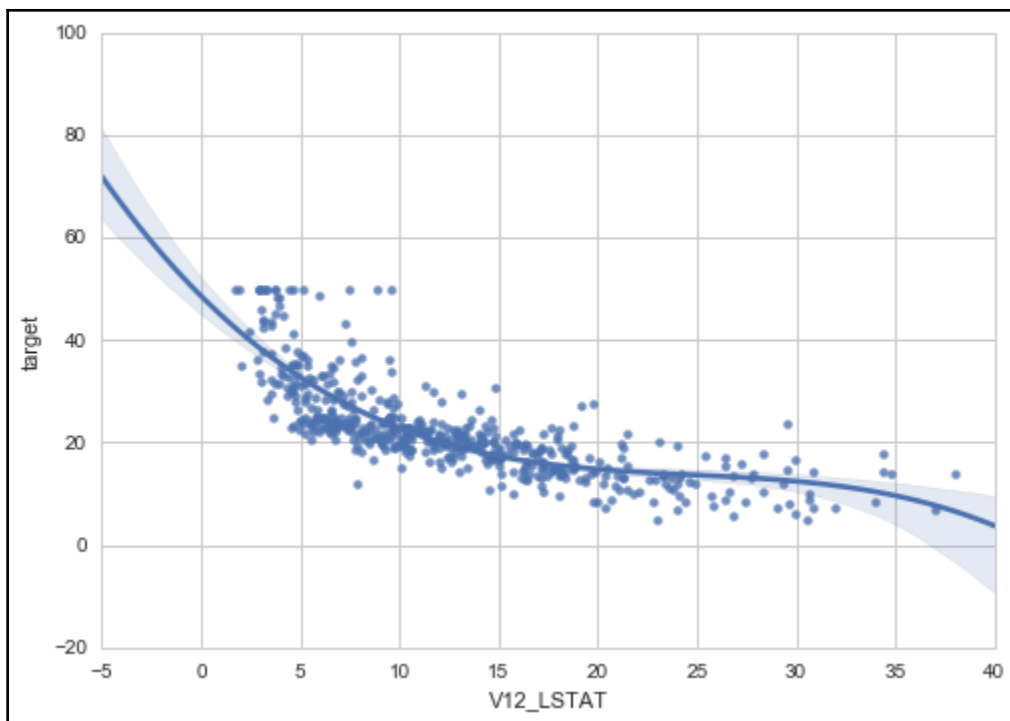


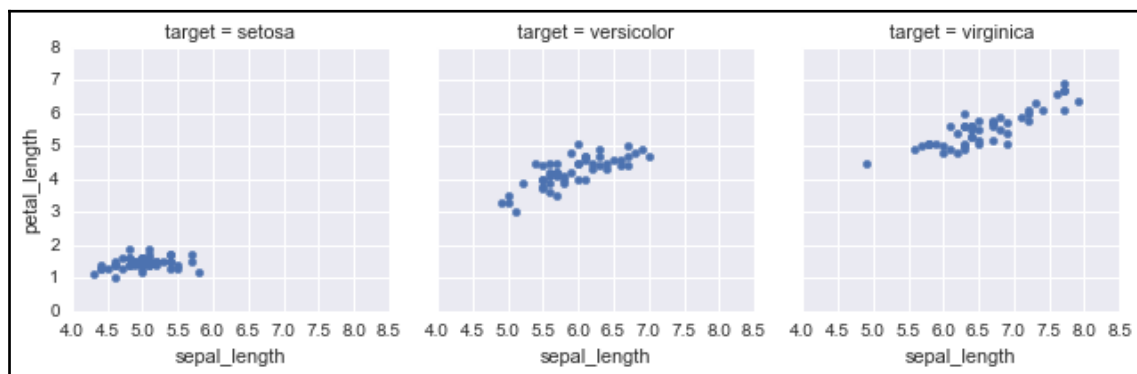
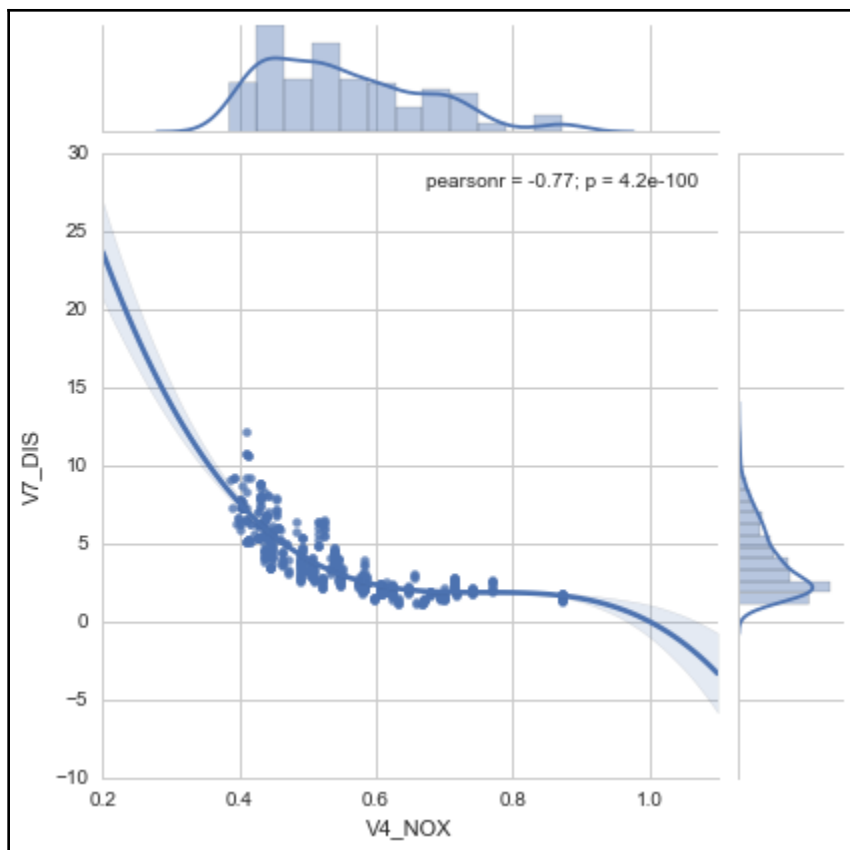


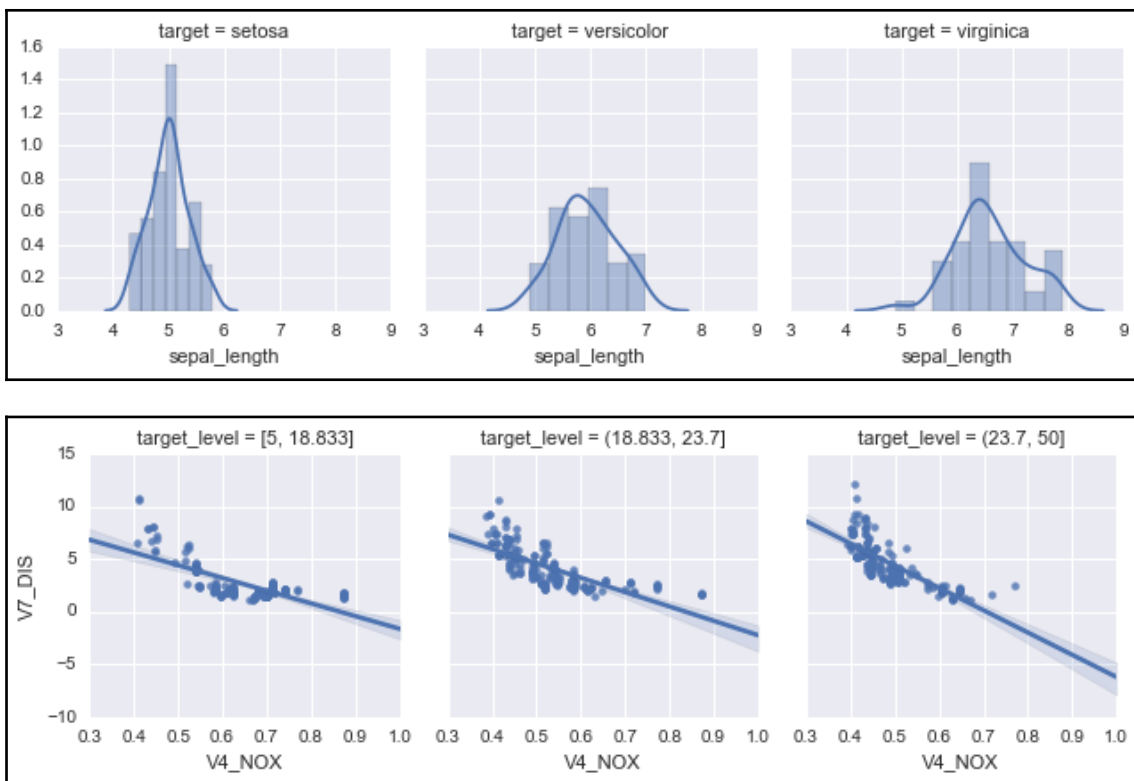
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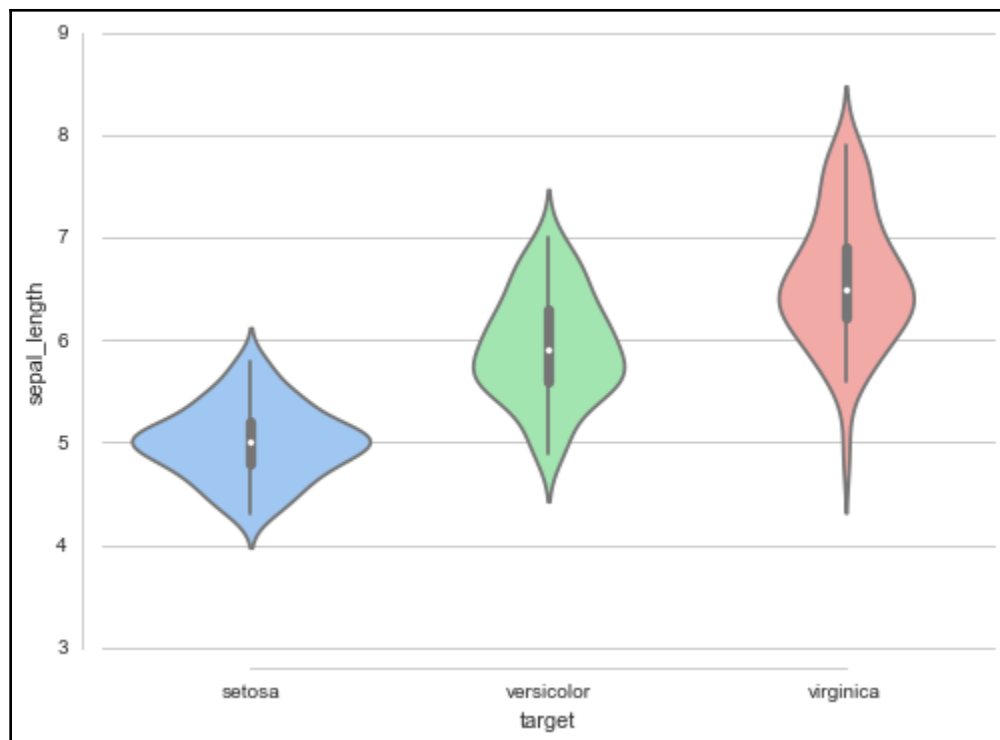


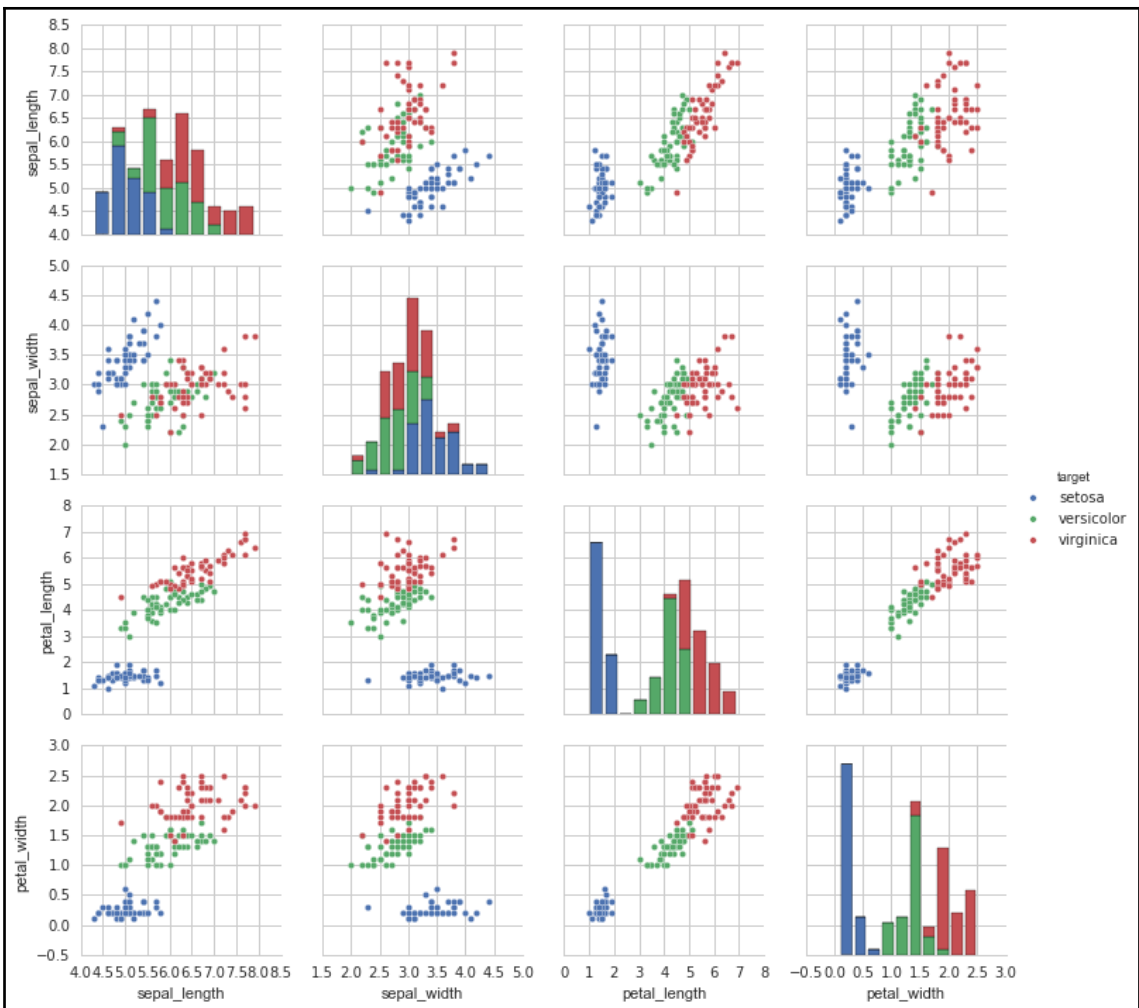


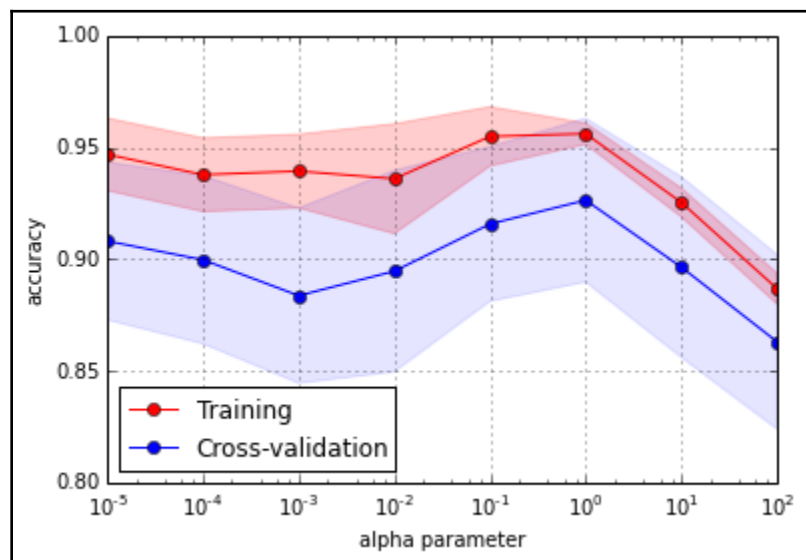
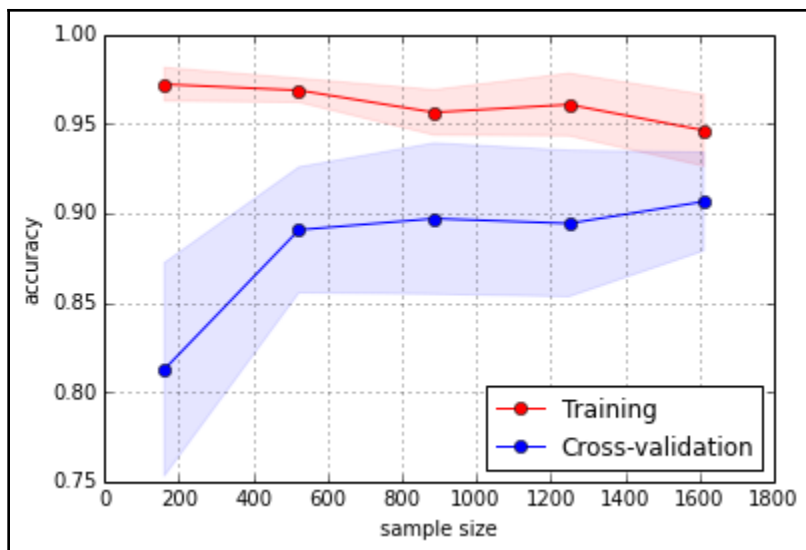




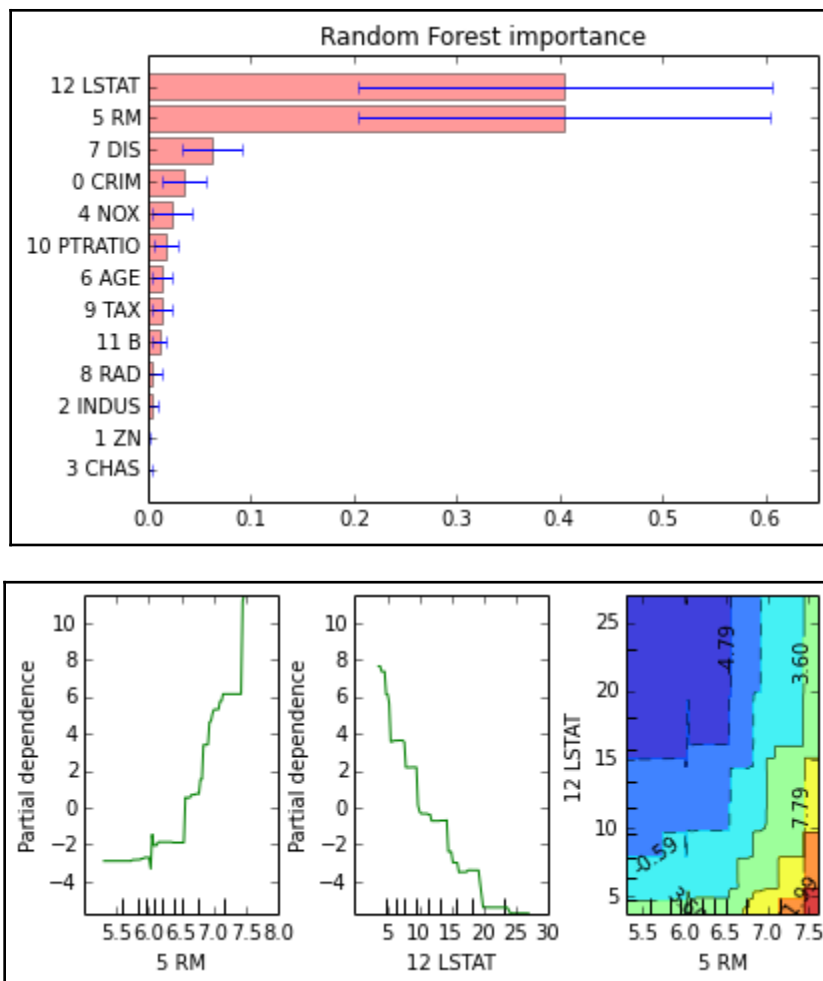


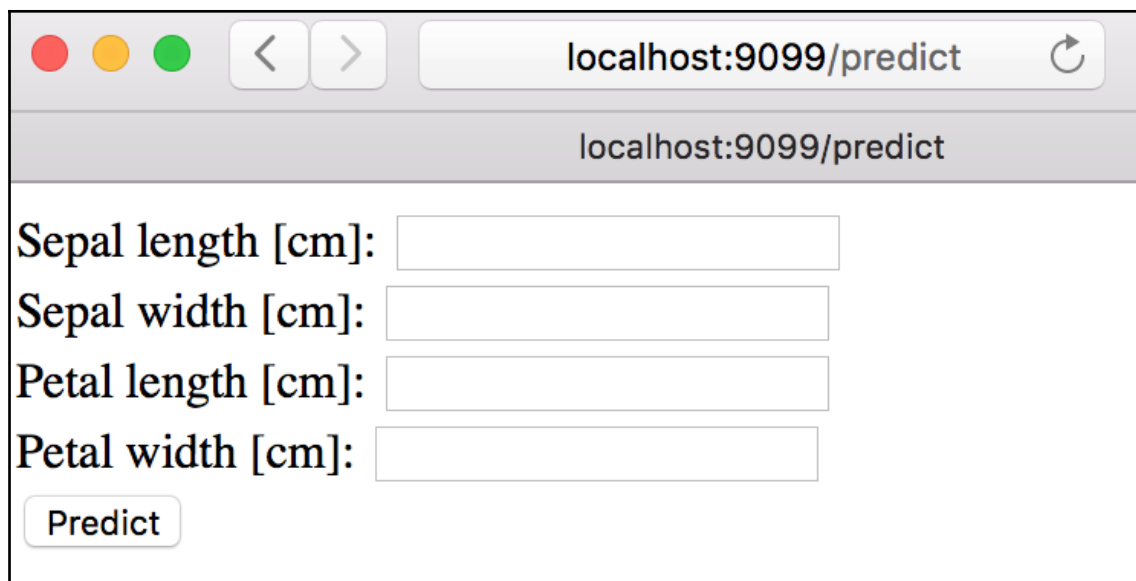












localhost:9099/predict

localhost:9099/predict

Sepal length [cm]:

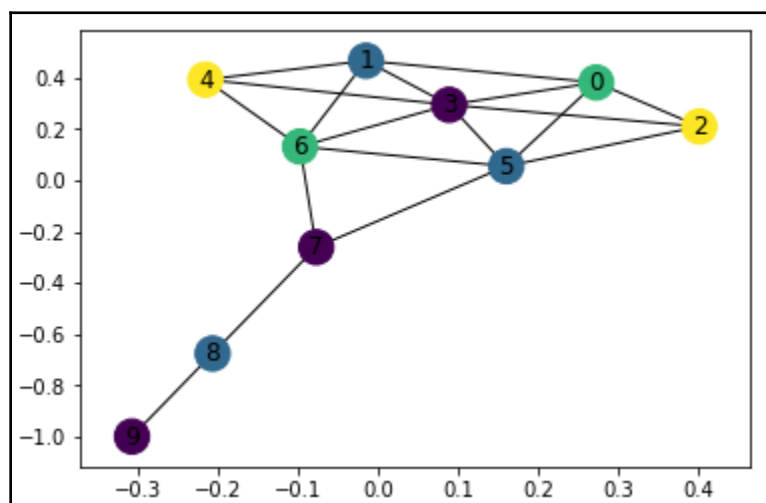
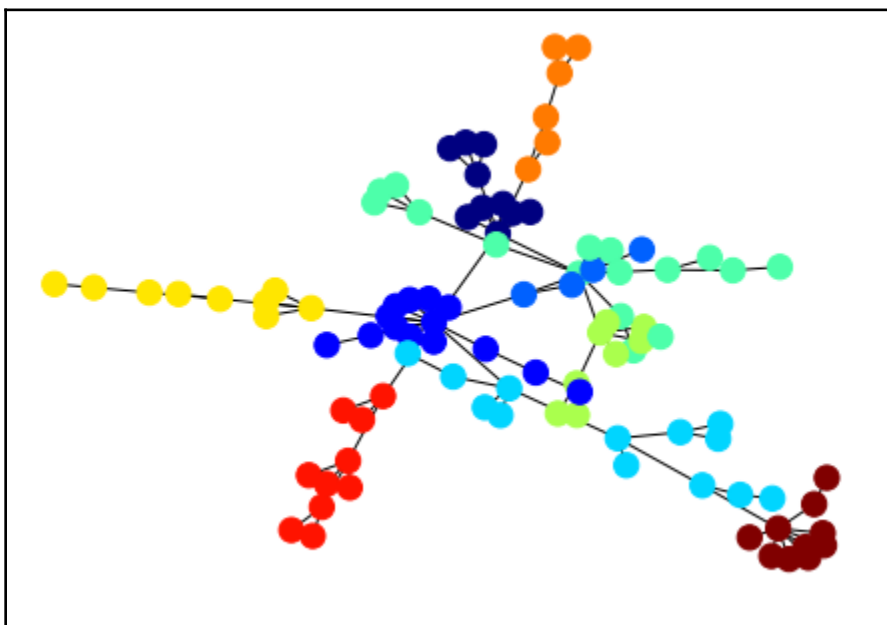
Sepal width [cm]:

Petal length [cm]:

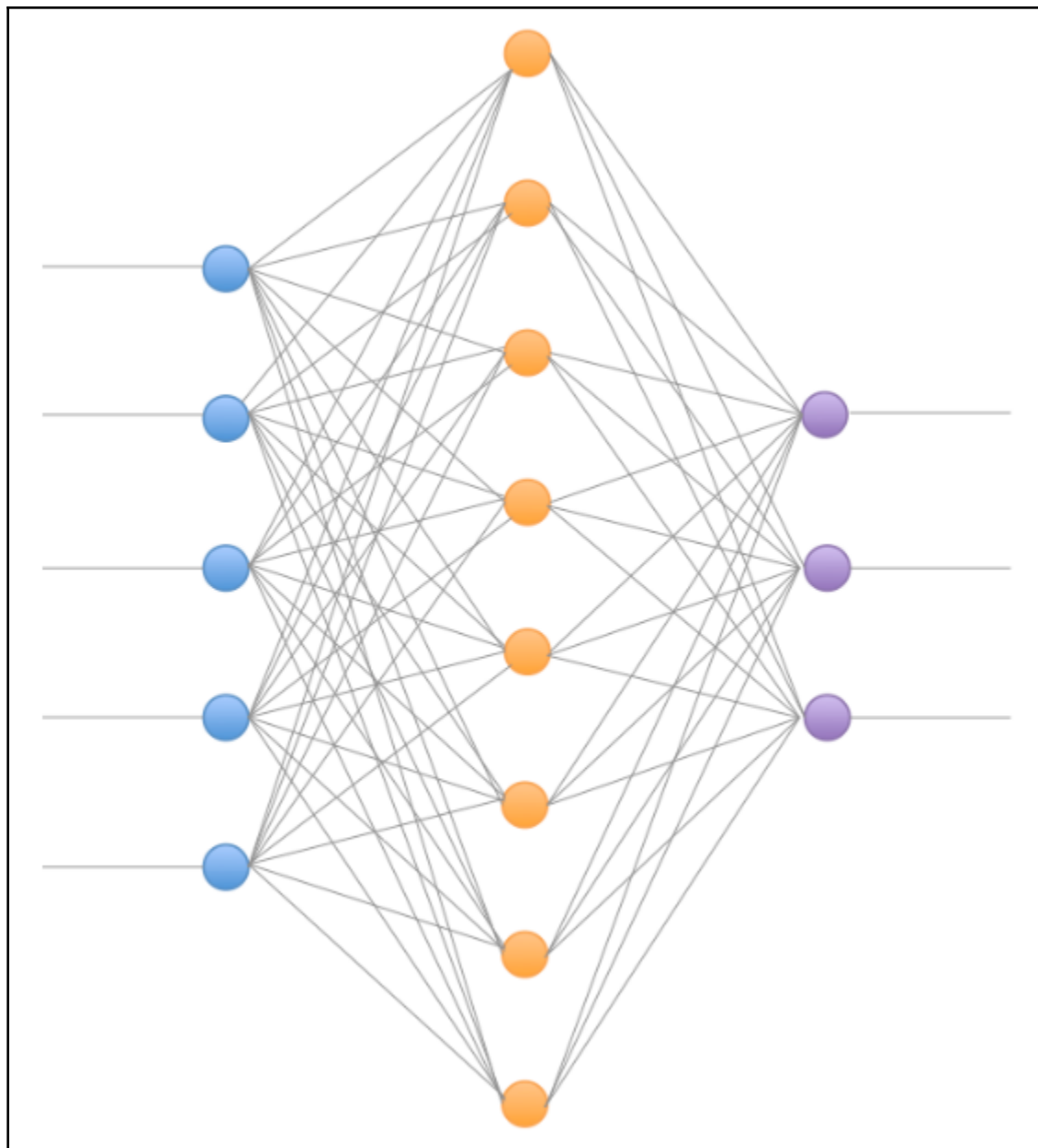
Petal width [cm]:

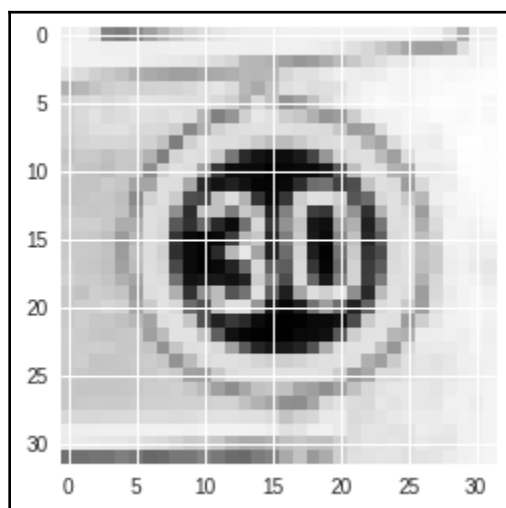
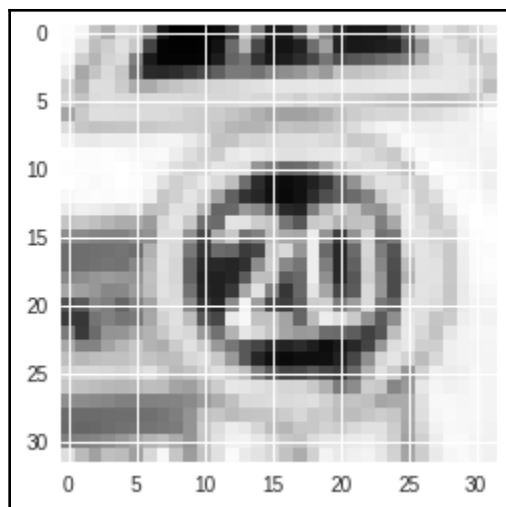
Predict

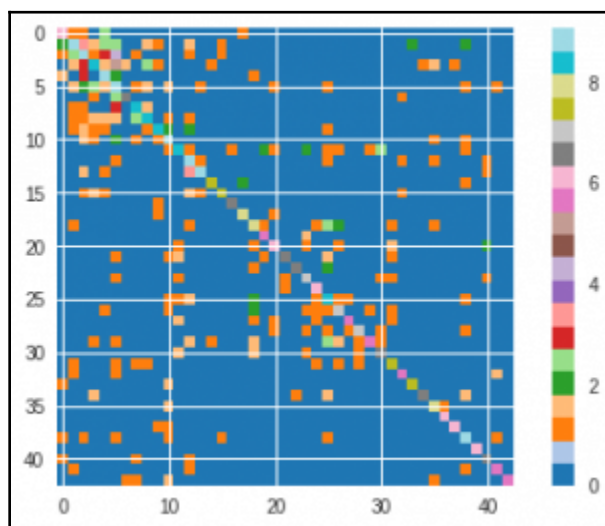
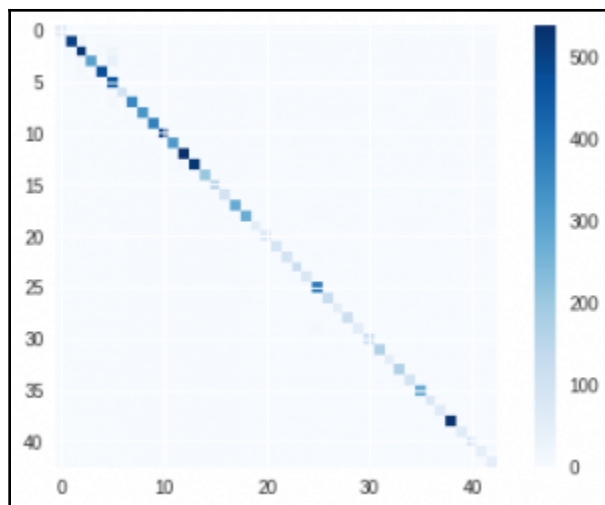
## Chapter 6: Social Network Analysis

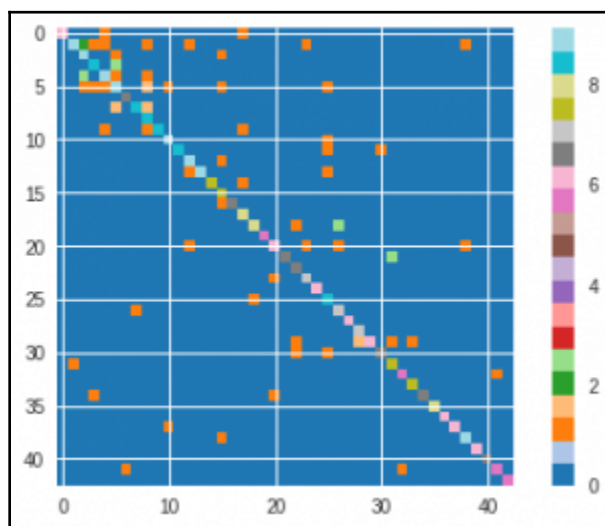
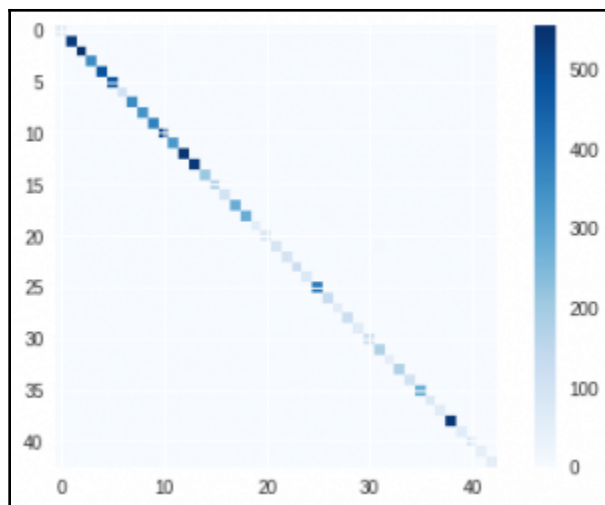


# **Chapter 7: Deep Learning Beyond the Basics**

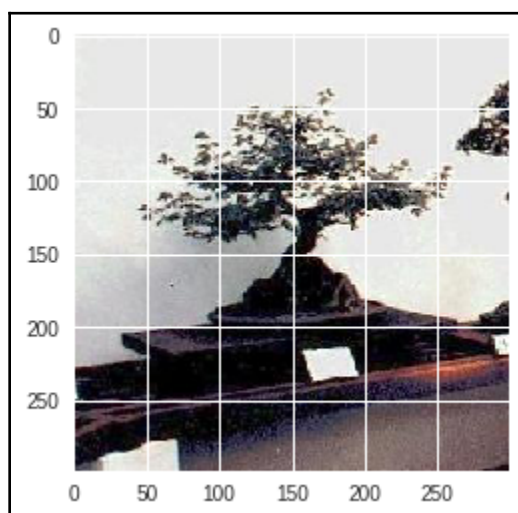
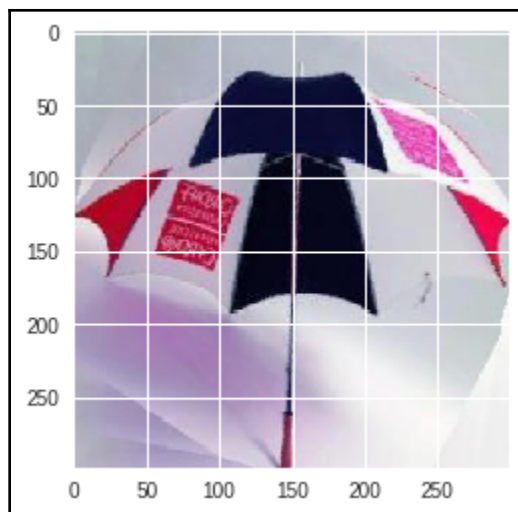












## Chapter 8: Spark for Big Data

