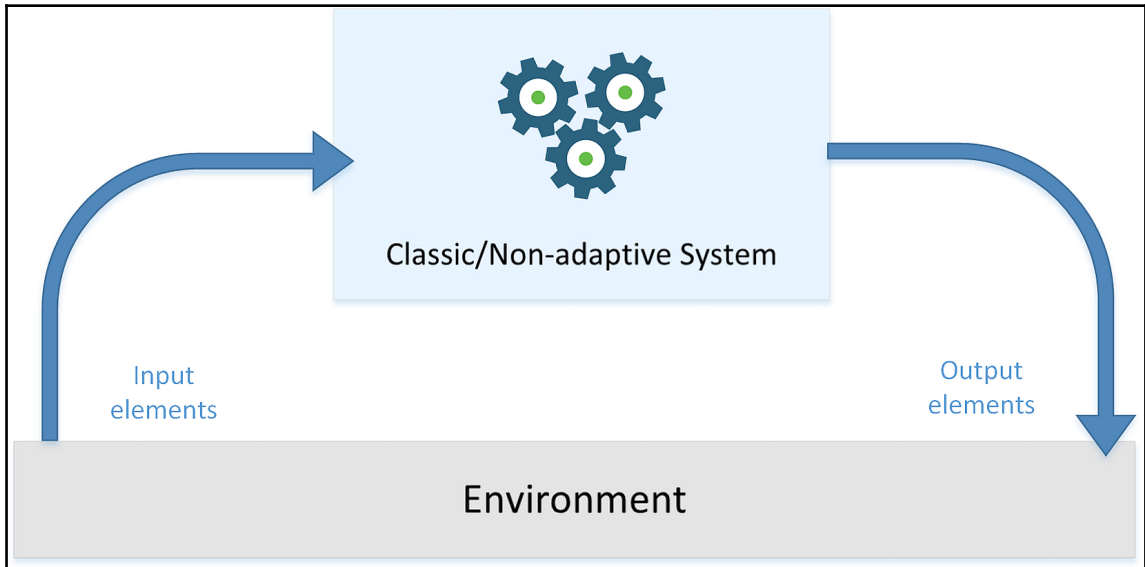
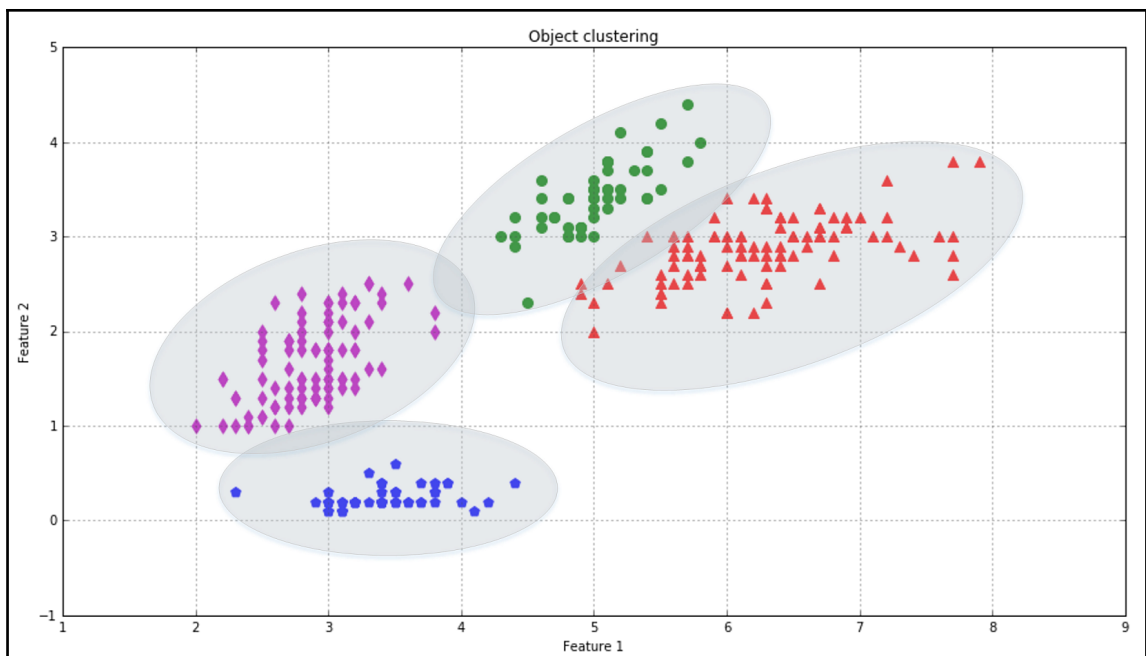
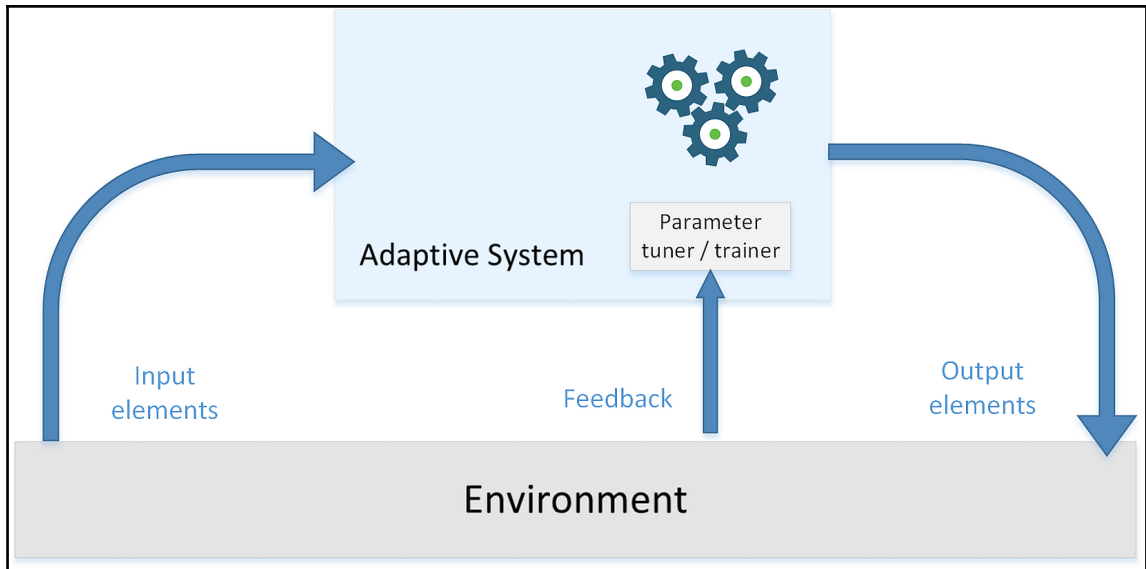
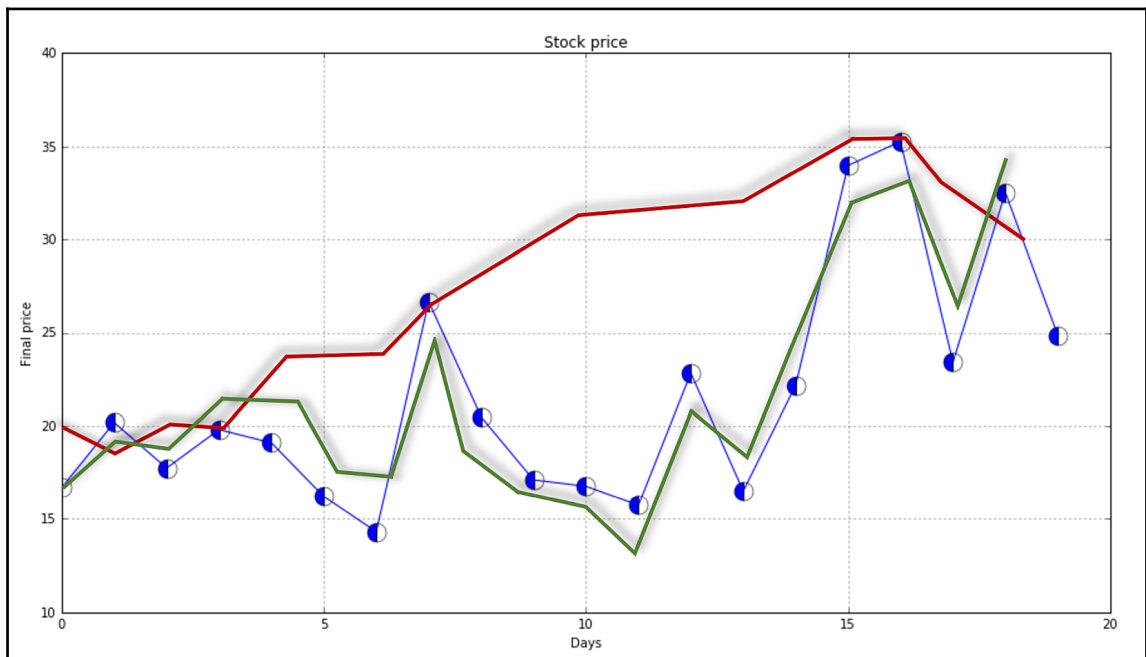
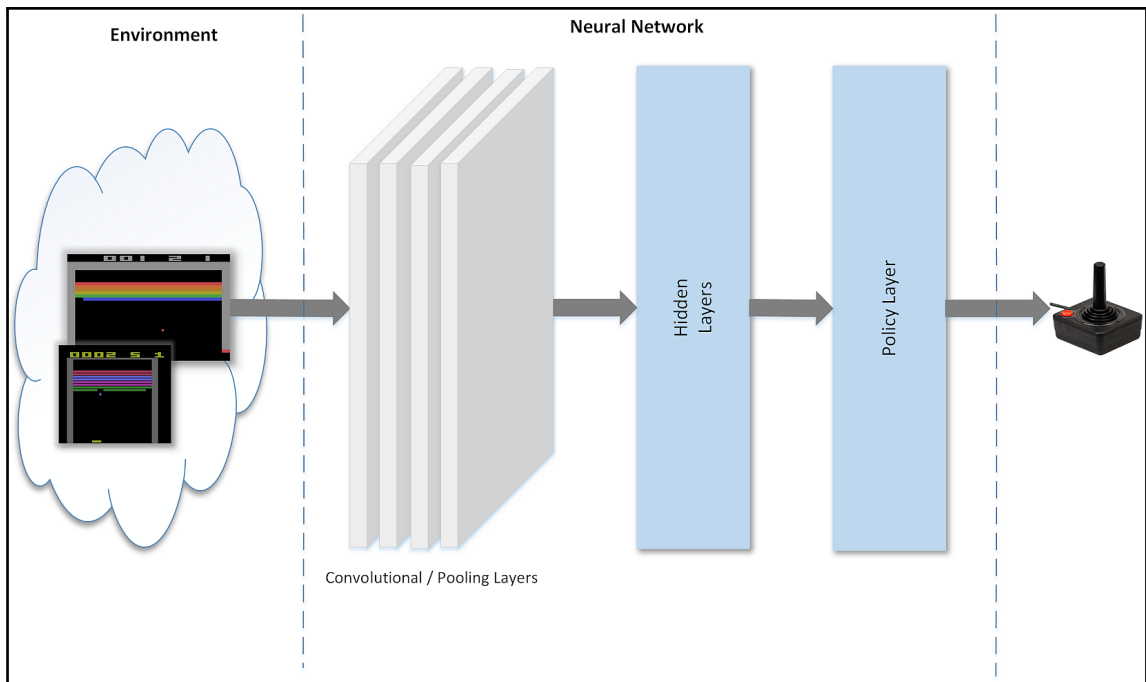


# Graphic bundle

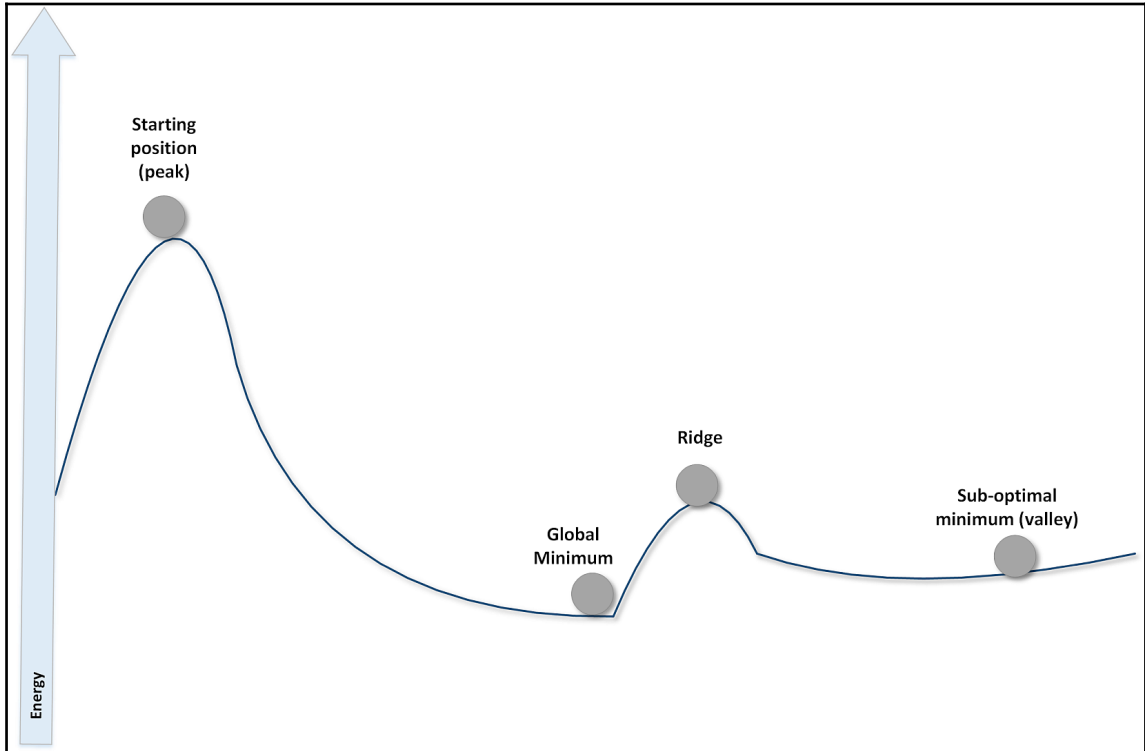
## Chapter 1: A Gentle Introduction to Machine Learning



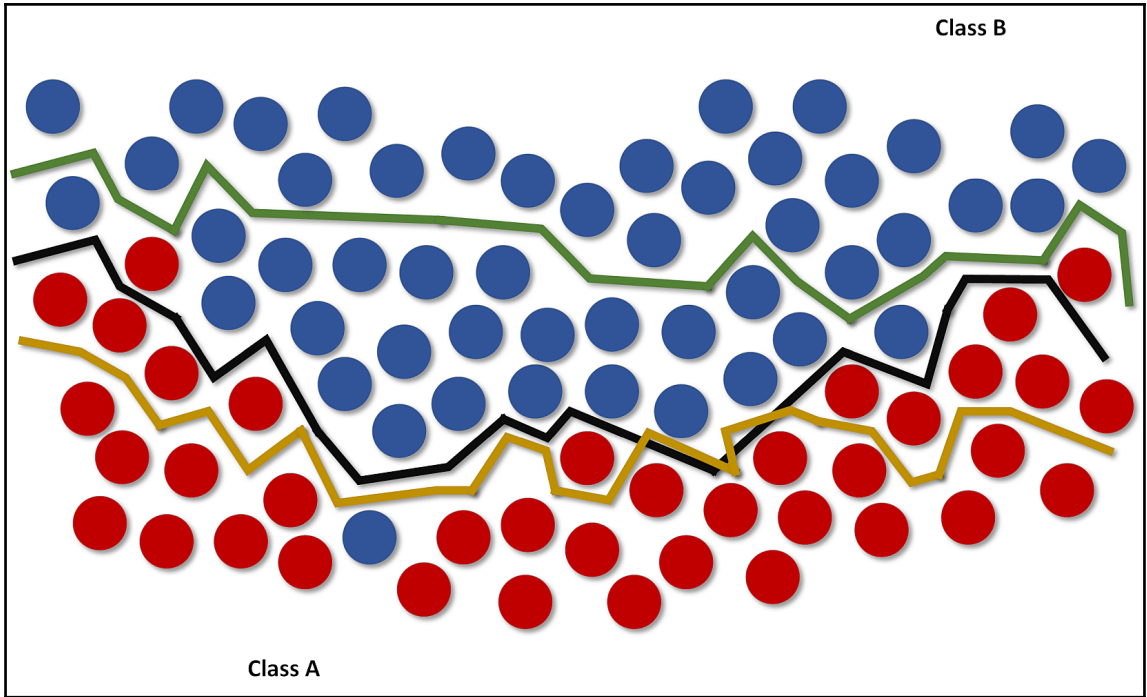


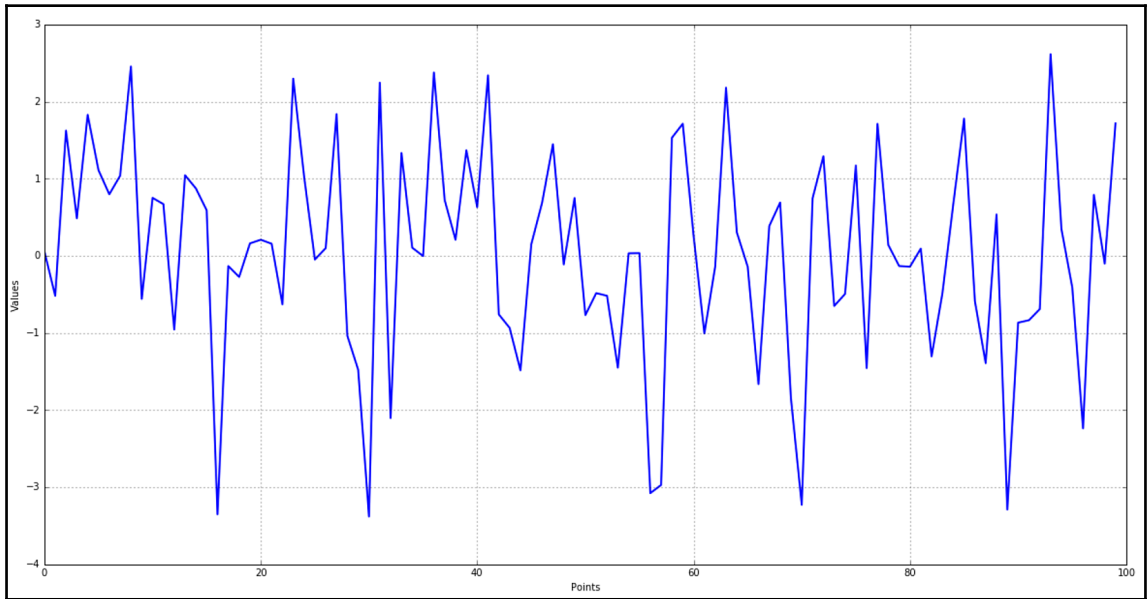
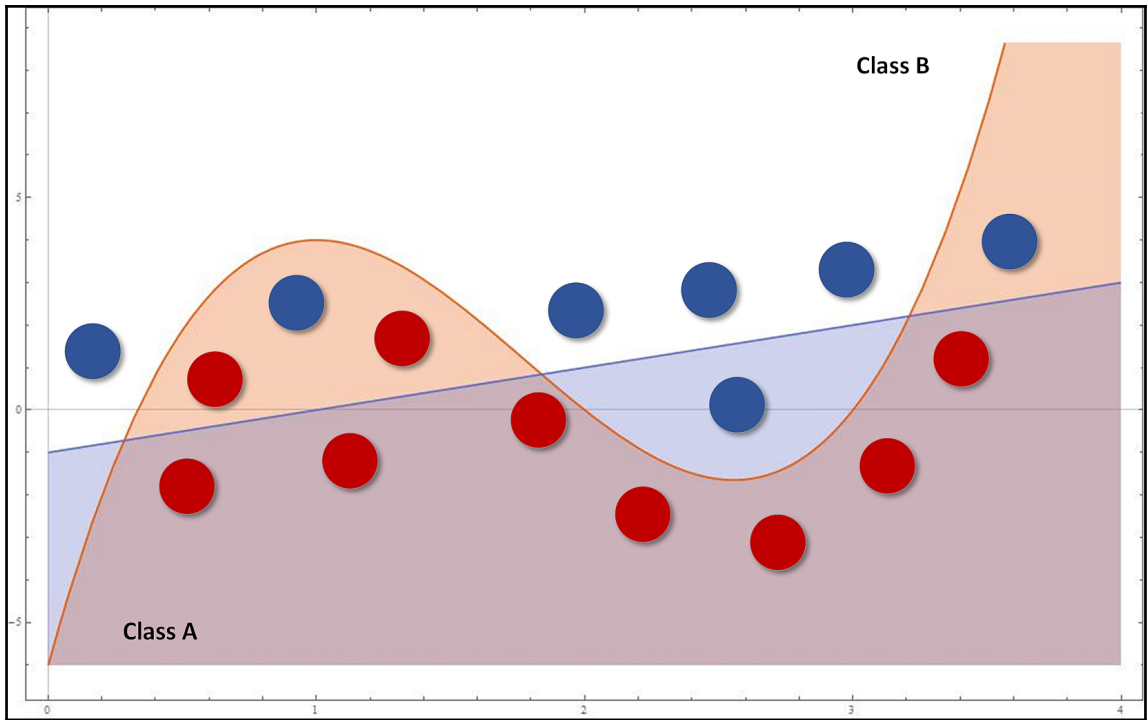


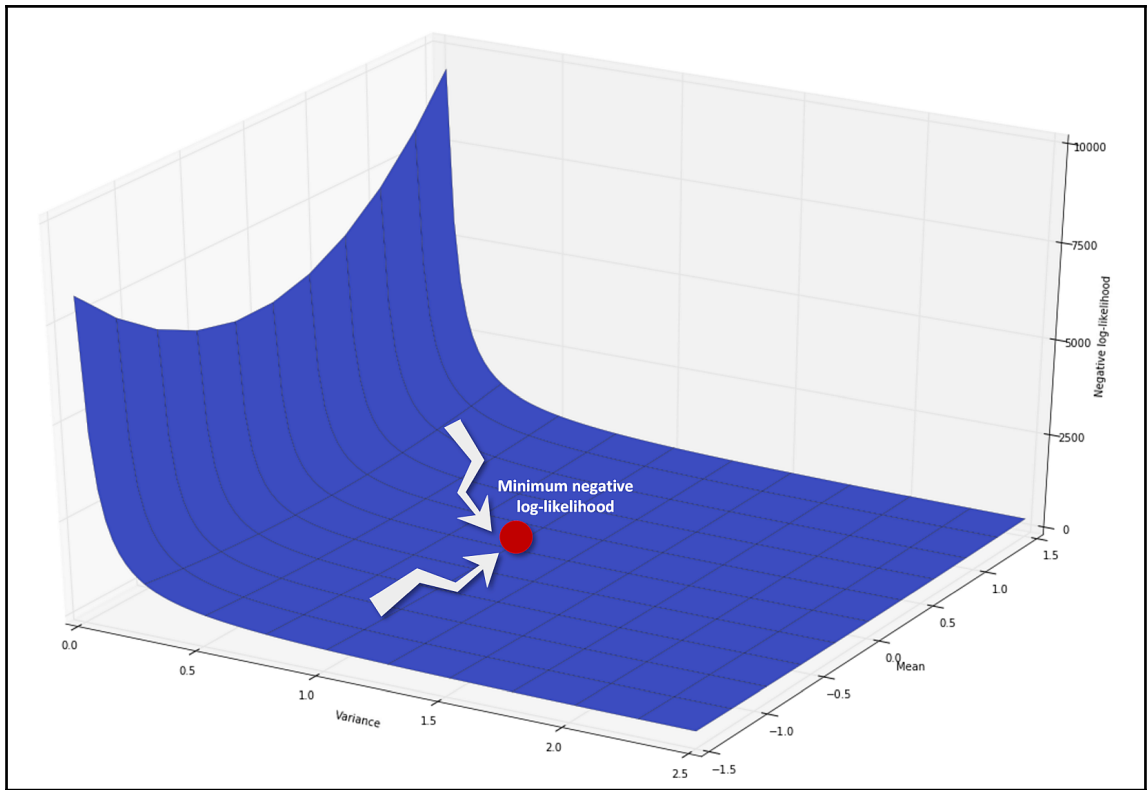
# Chapter 2: Important Elements in Machine Learning

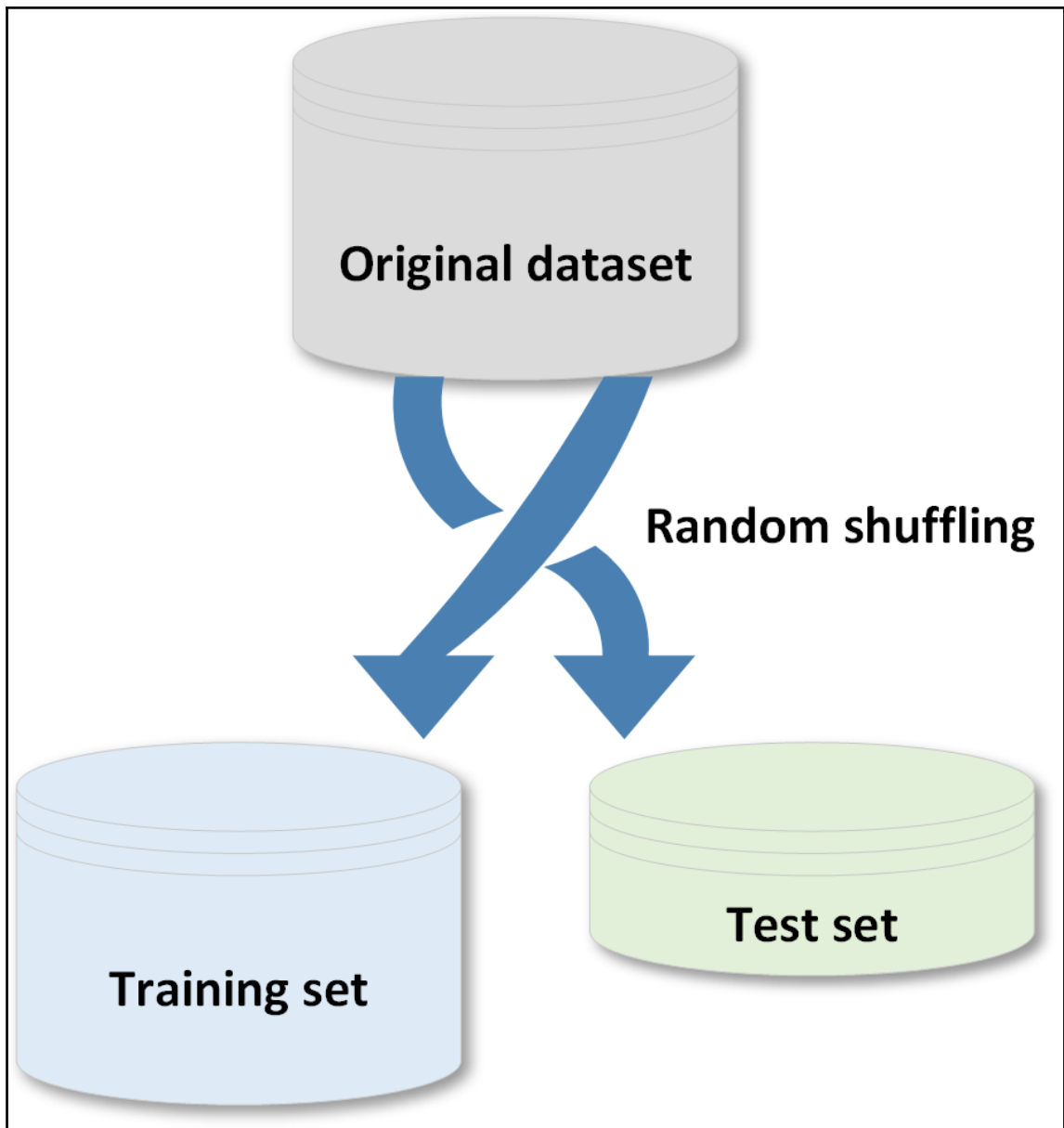


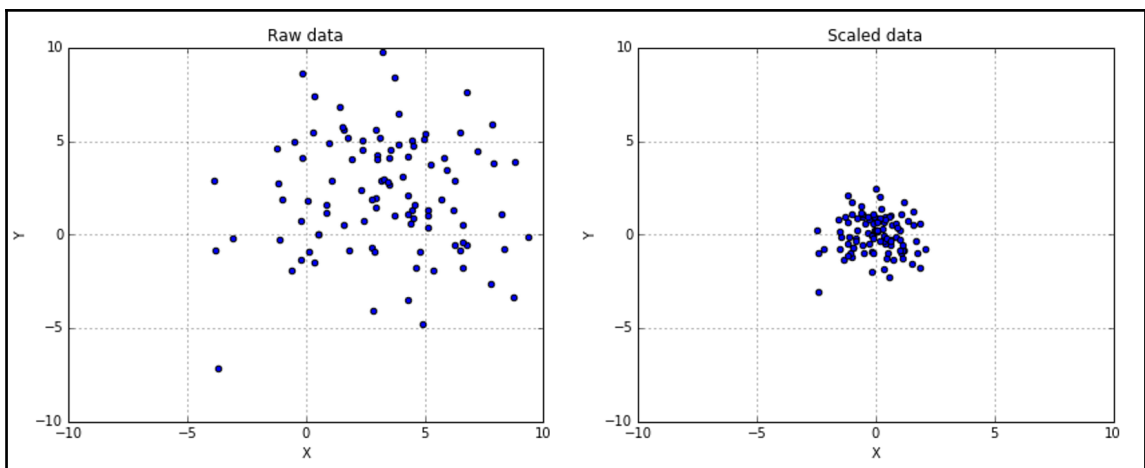


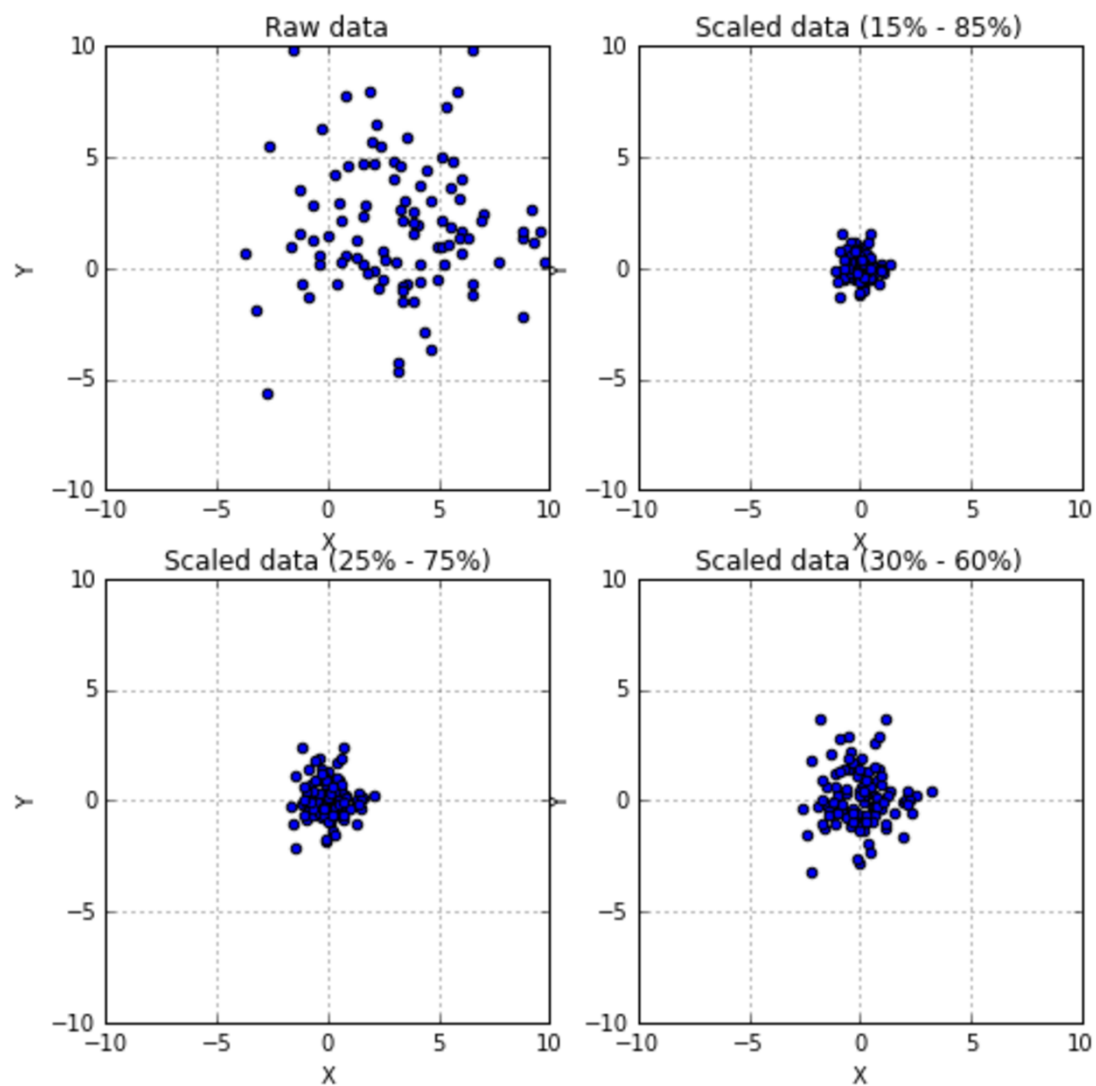


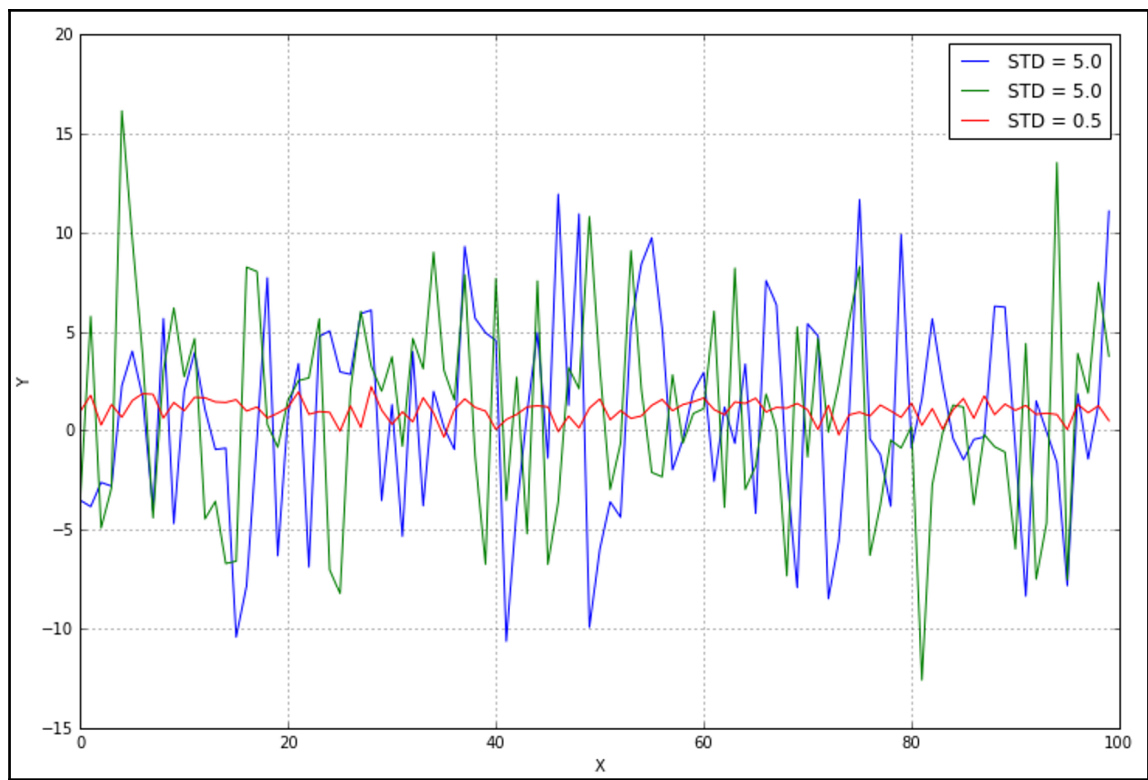




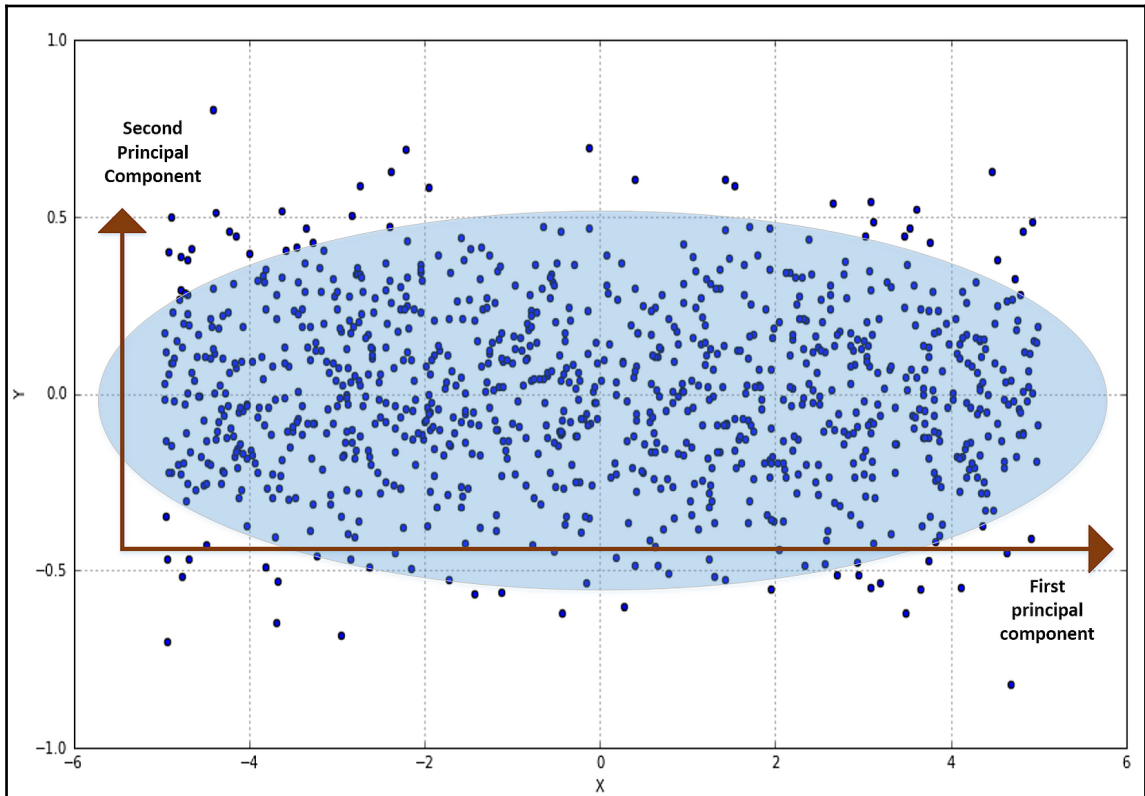






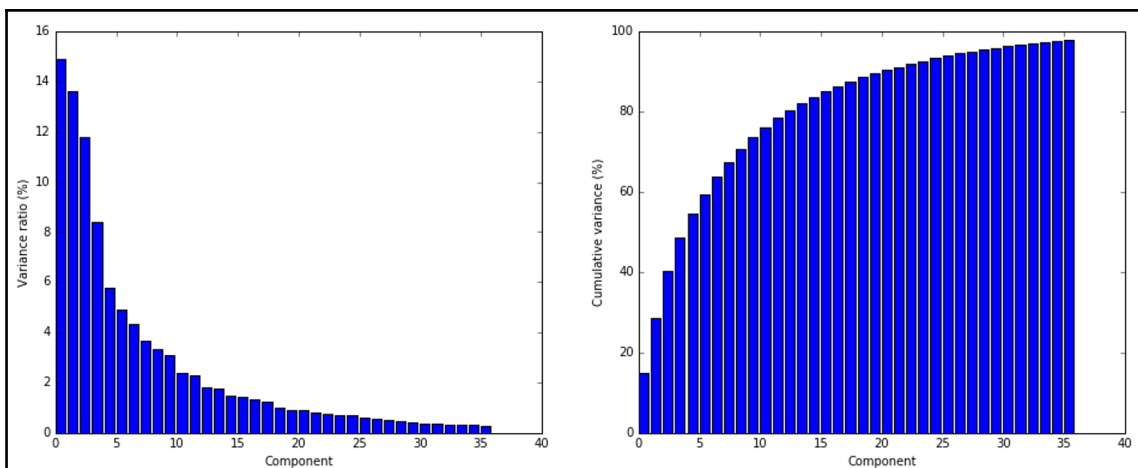


# Chapter 3: Feature Selection and Feature Engineering

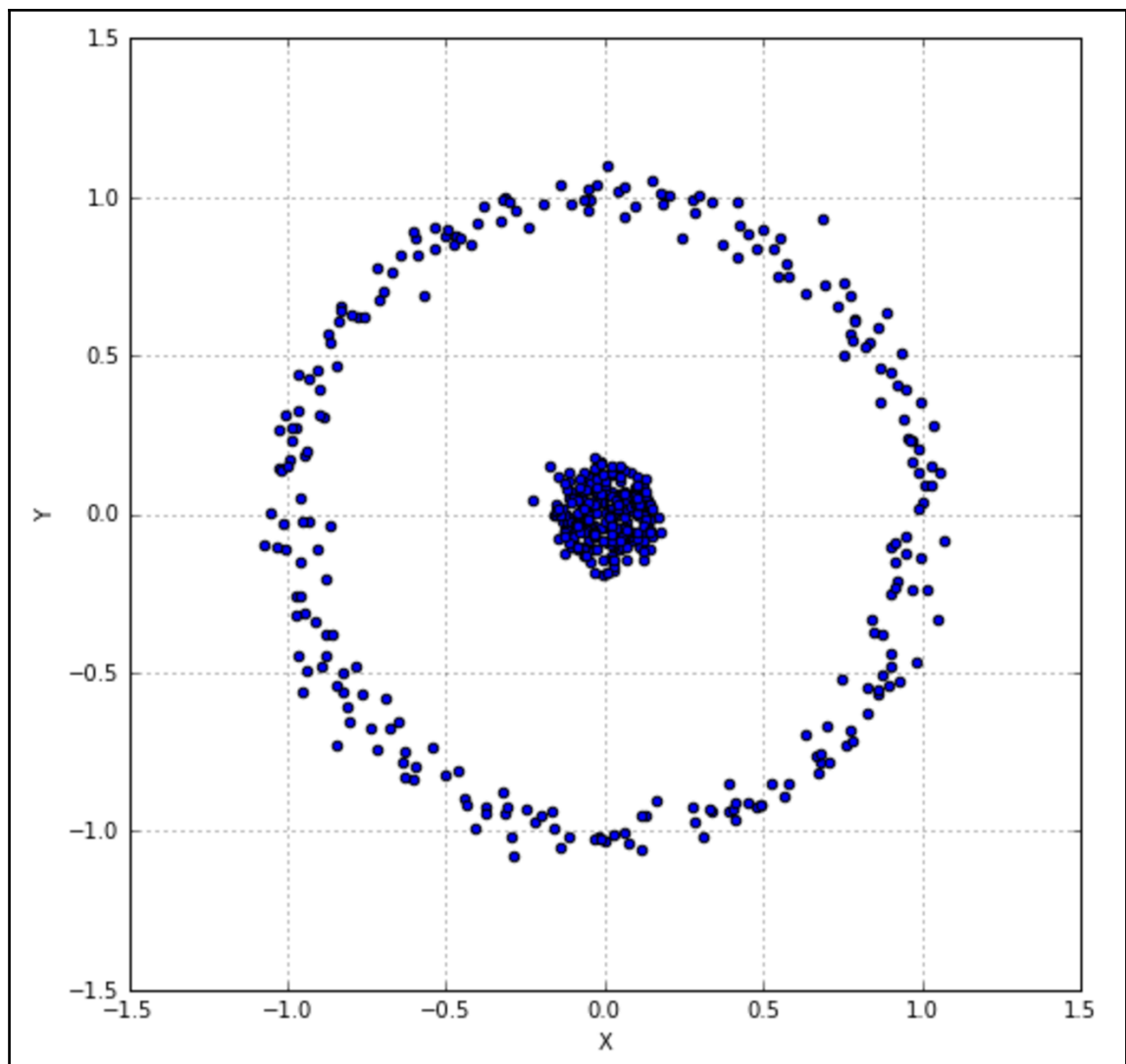


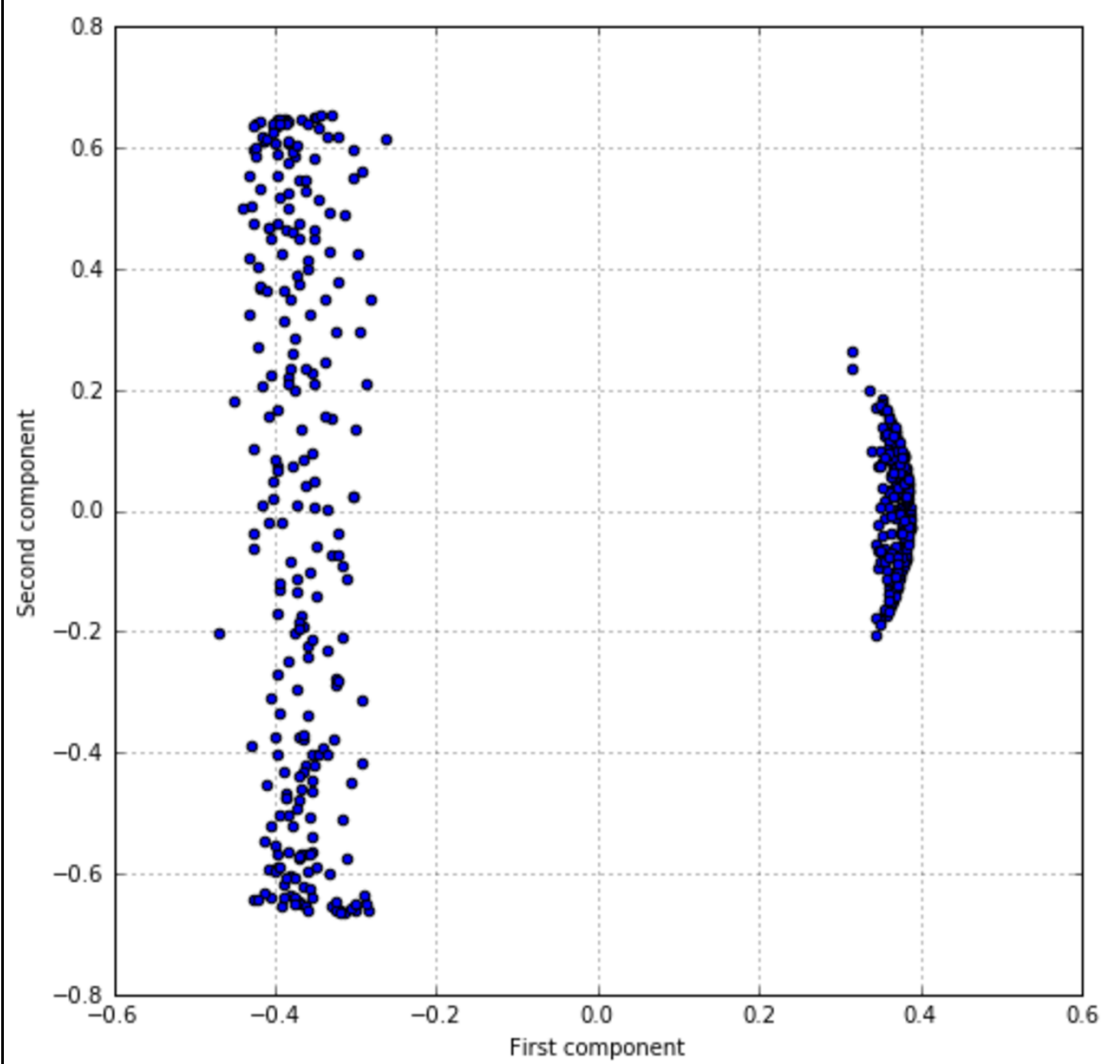


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8	5	8	7	5	9	1	1	9	7
9	7	1	5	4	2	6	8	7	8
7	8	2	8	7	3	2	3	3	6
3	6	1	6	8	1	1	0	2	9
2	9	5	9	3	9	3	5	1	8
1	8	7	2	0	6	0	9	5	5
5	5	2	9	9	0	3	5	9	3
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8	1	7	7	6	6	8	3	9	6

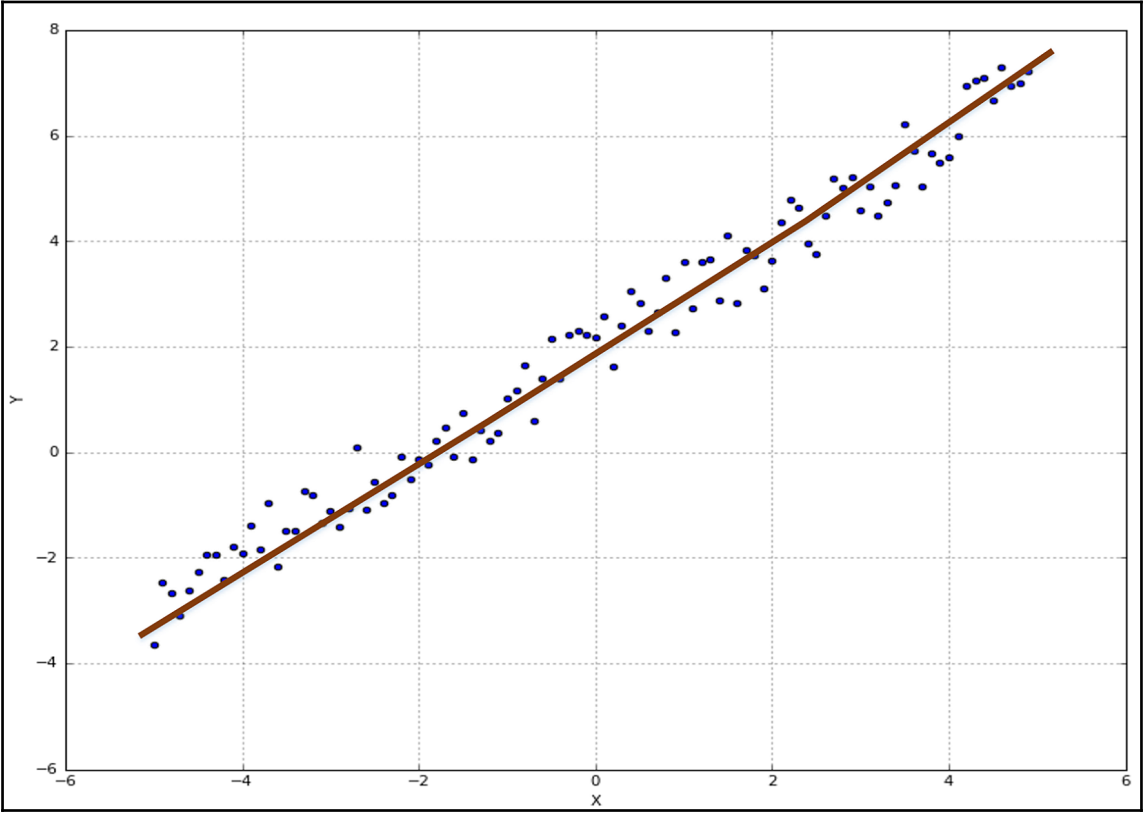


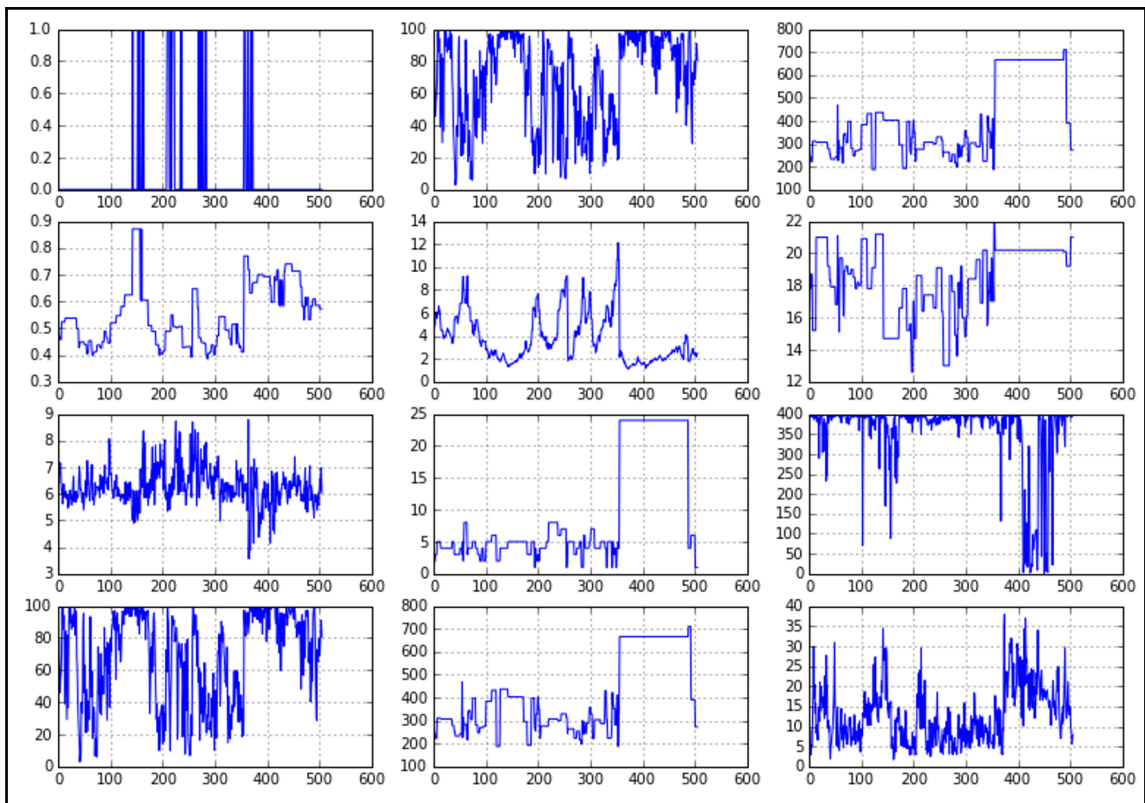
2	0	7	4	4	3	5	4	8	5
8	5	8	7	5	9	1	1	9	7
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7	8	2	8	7	3	2	3	3	6
3	6	1	6	8	1	1	0	2	9
1	9	5	9	3	9	3	5	1	8
1	8	7	2	0	6	0	9	5	5
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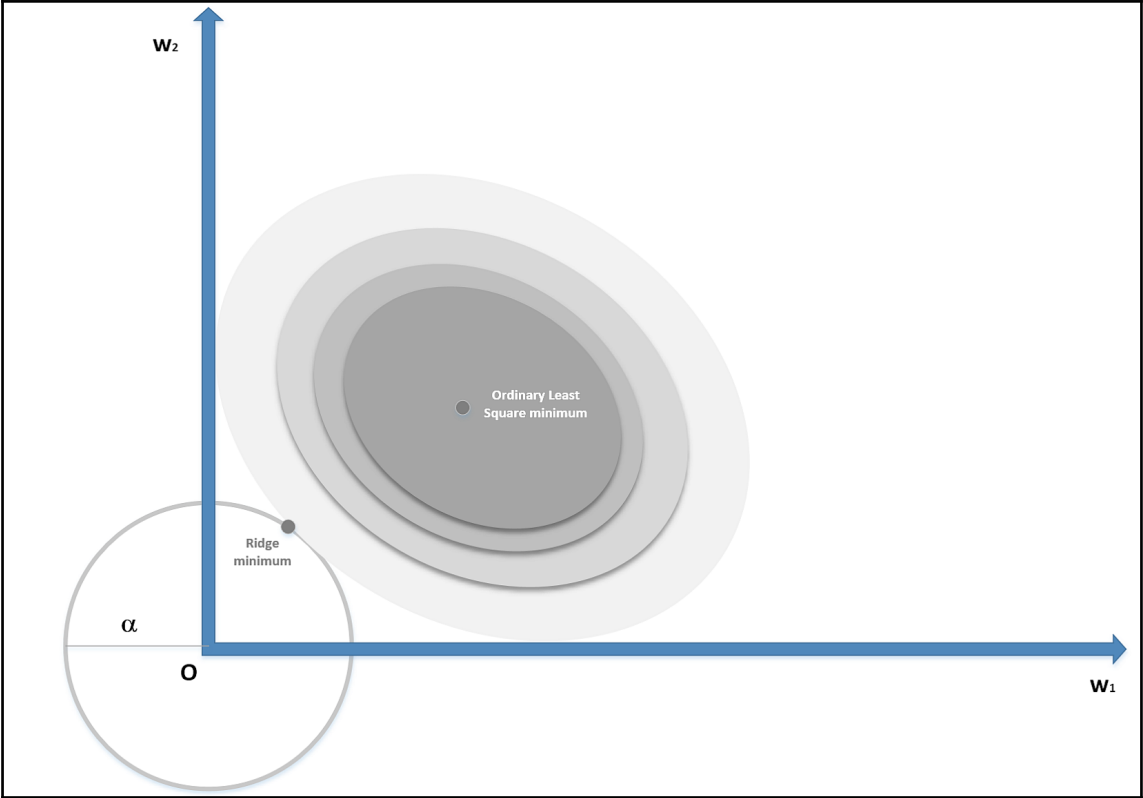




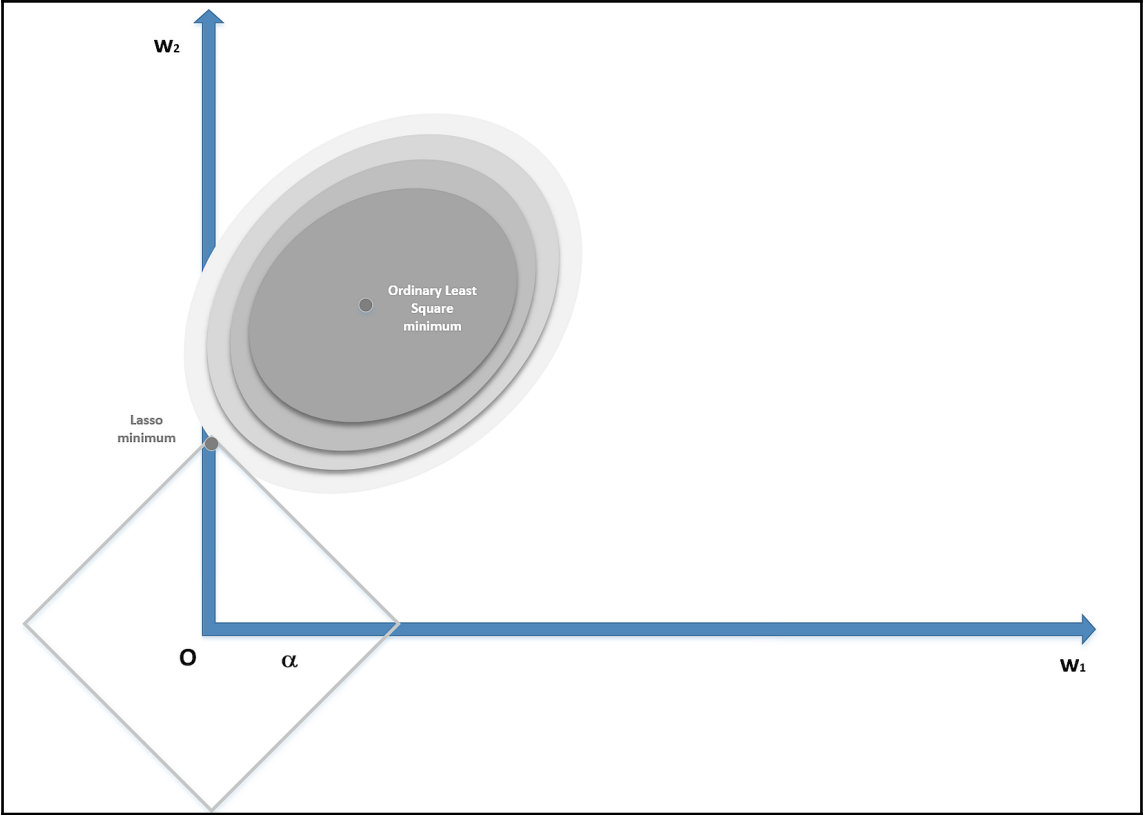
# Chapter 4: Linear Regression

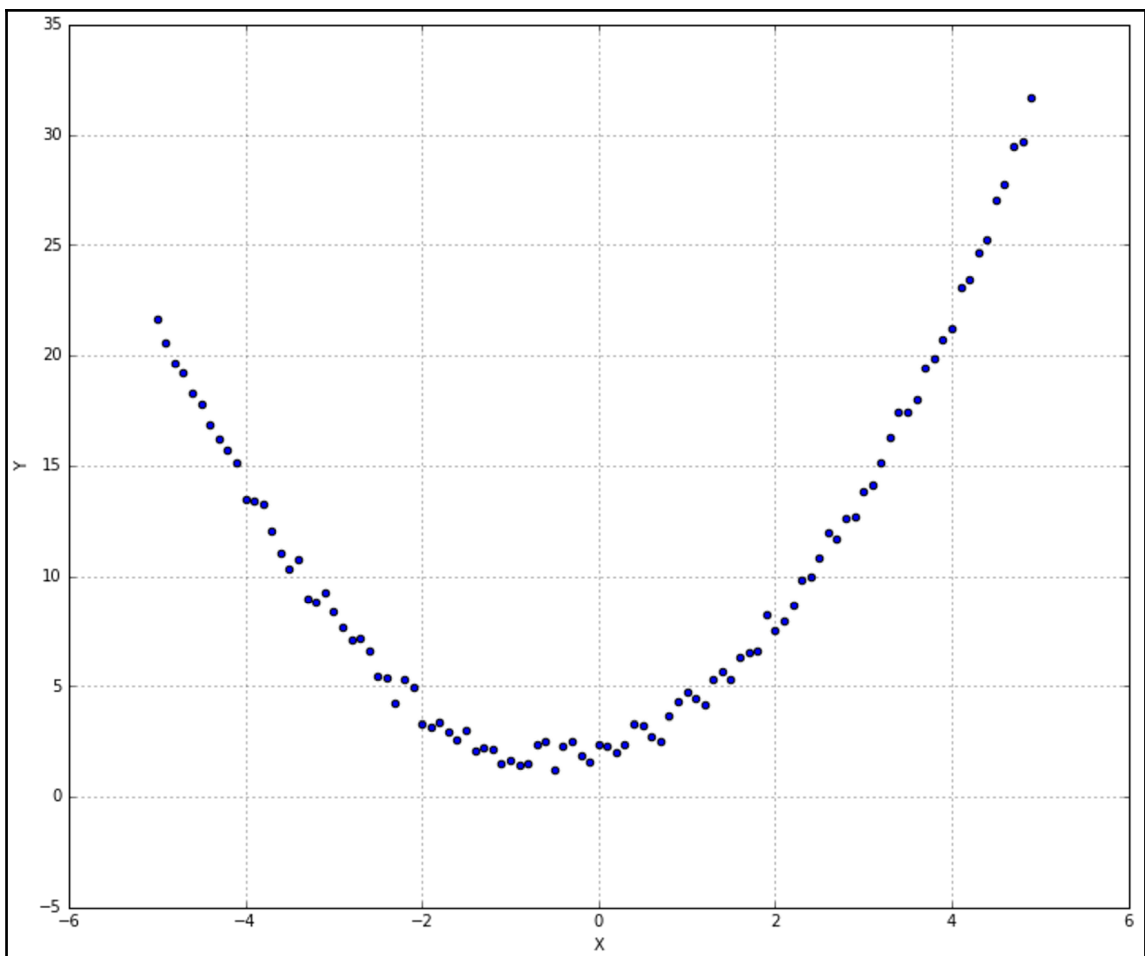


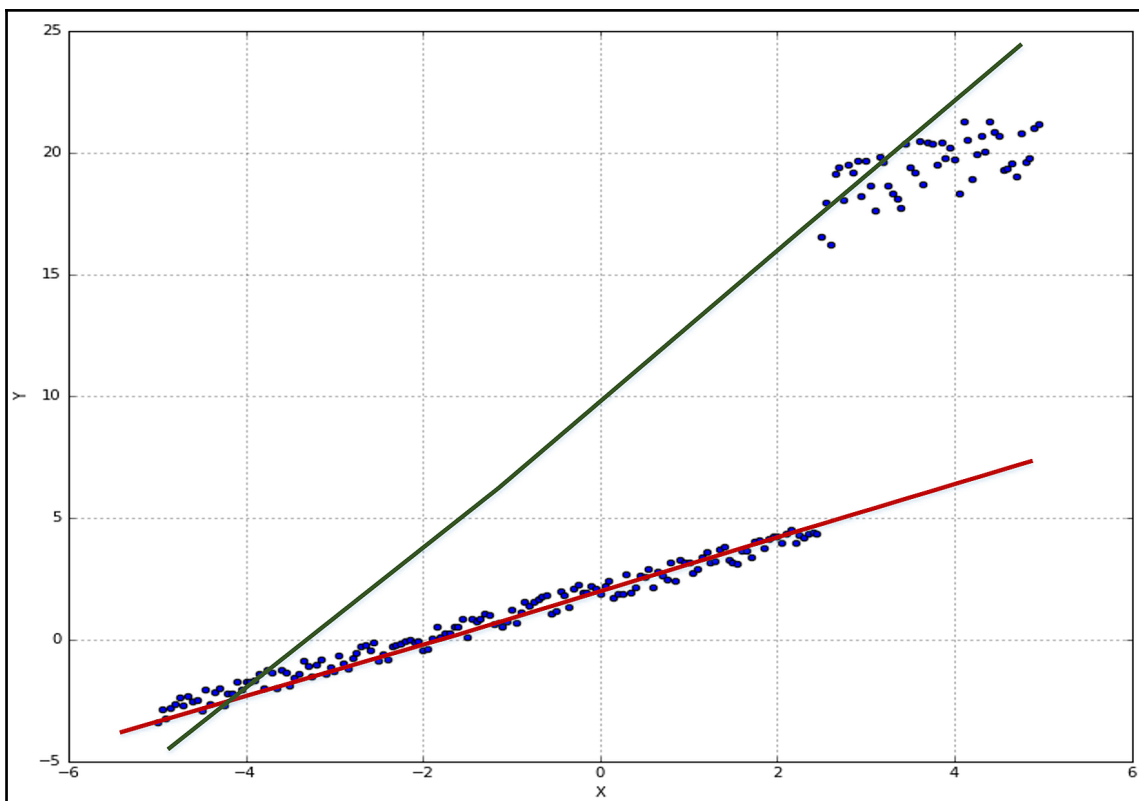


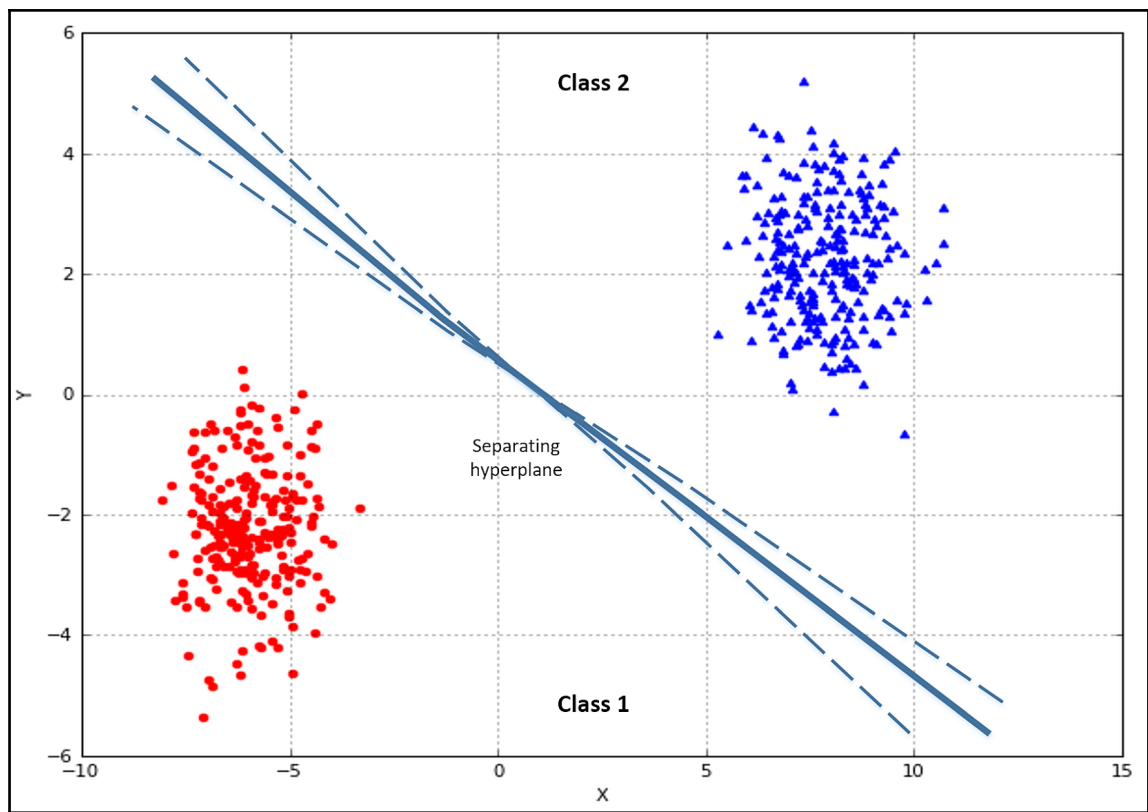


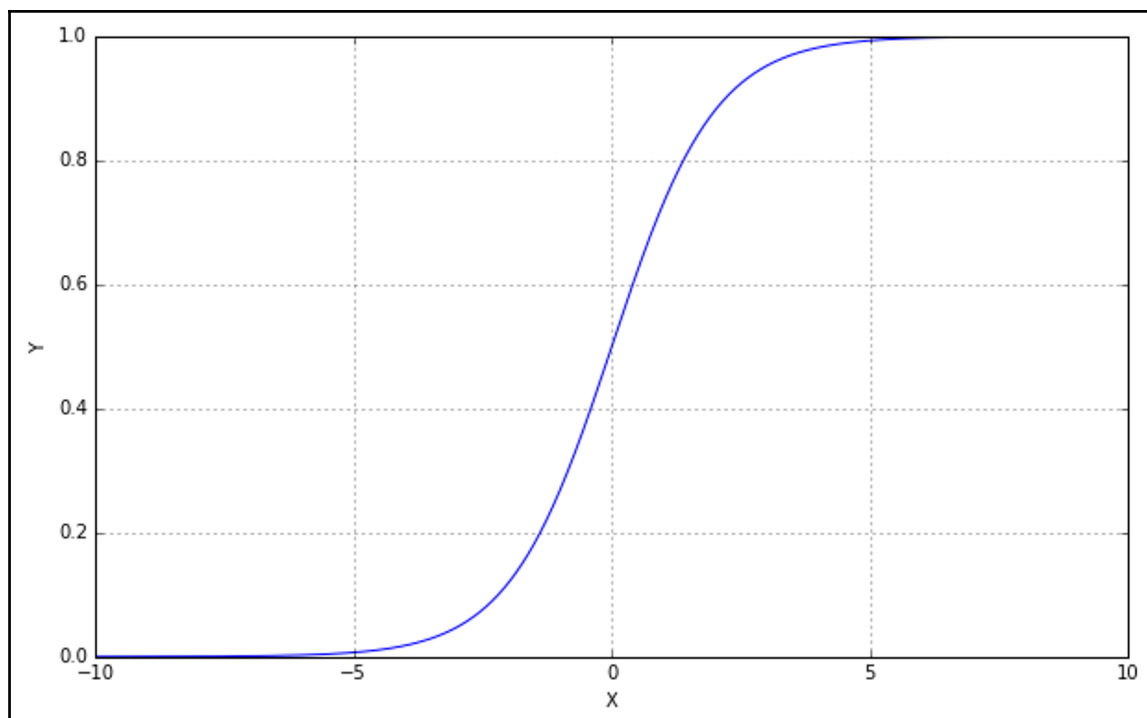


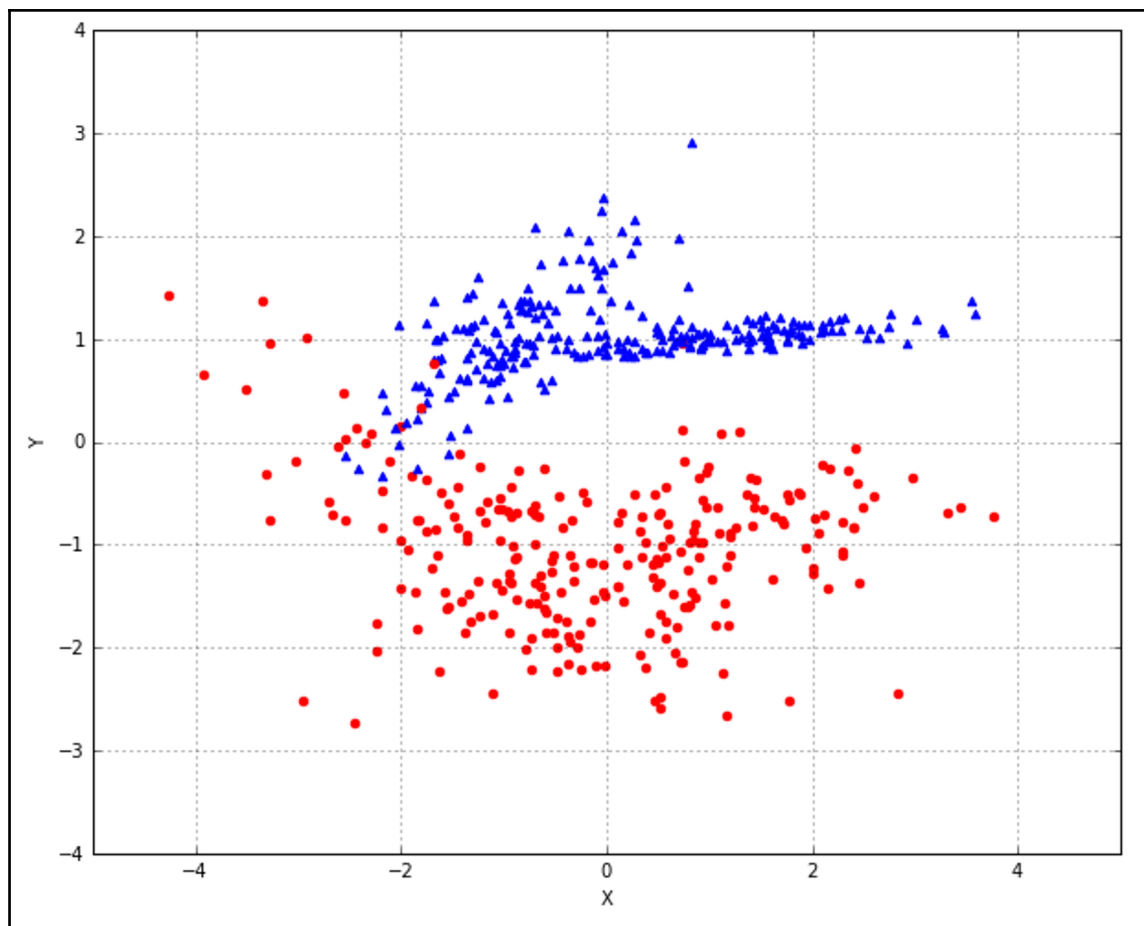


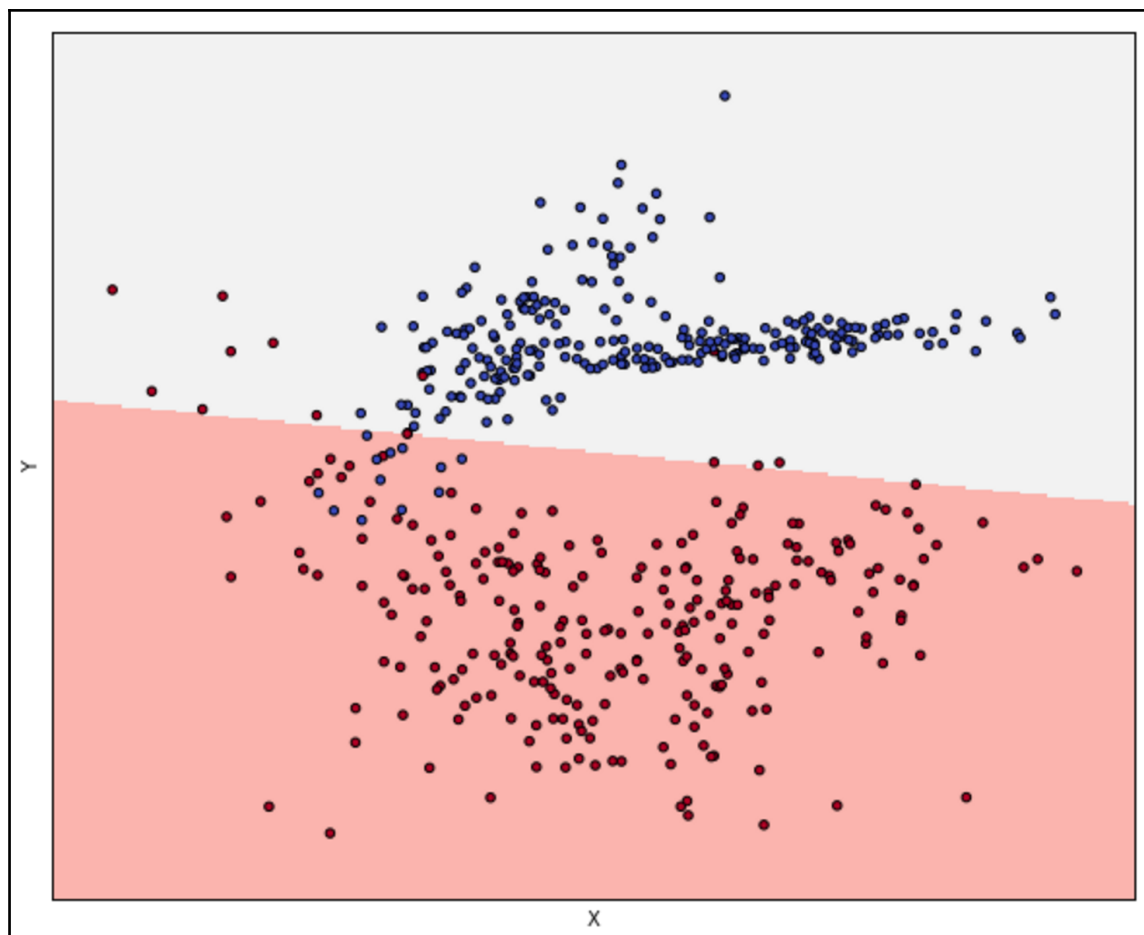


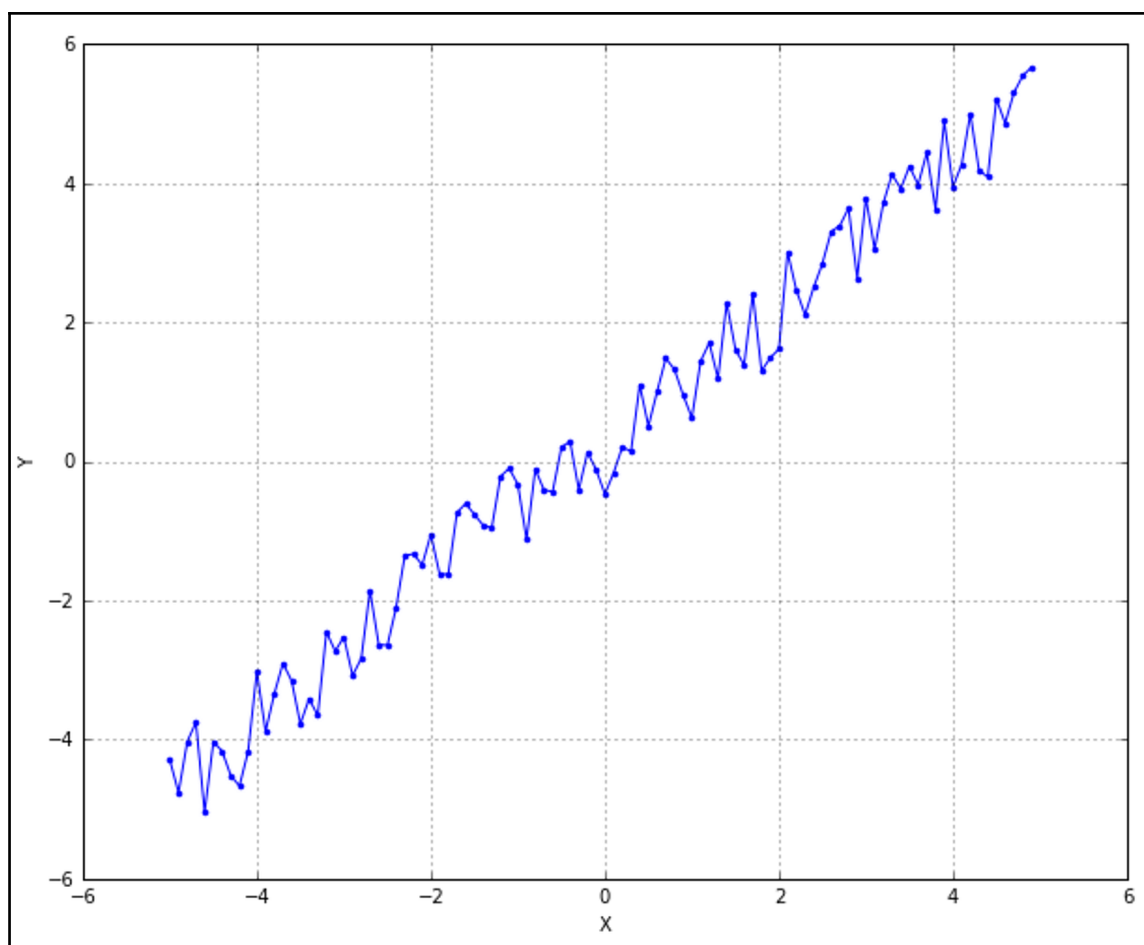






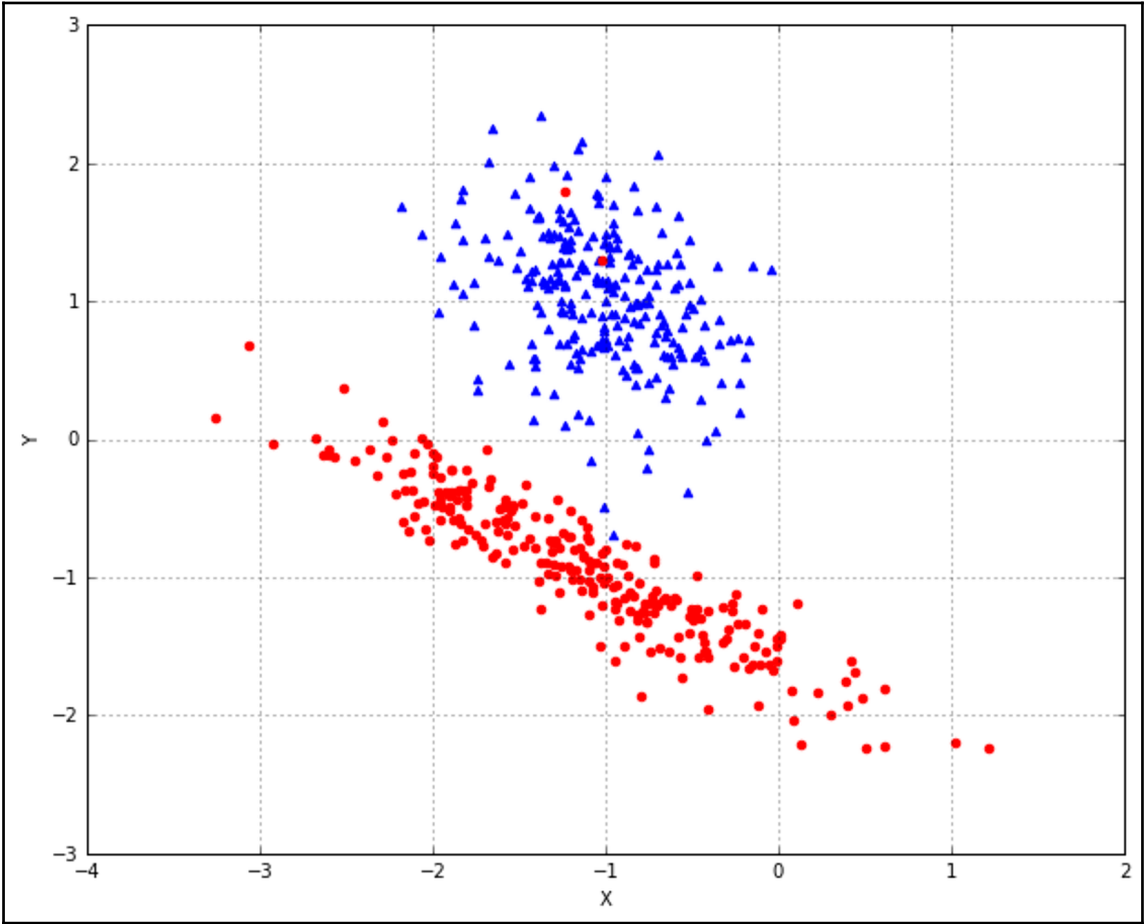


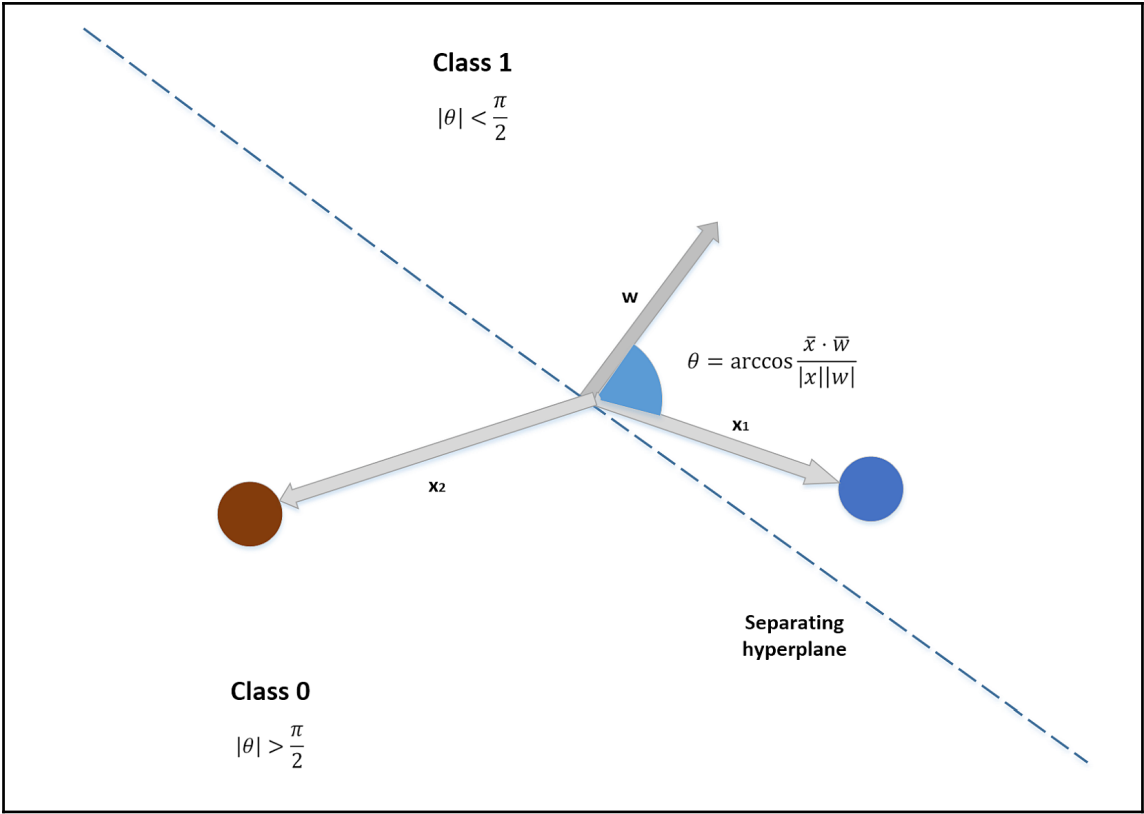


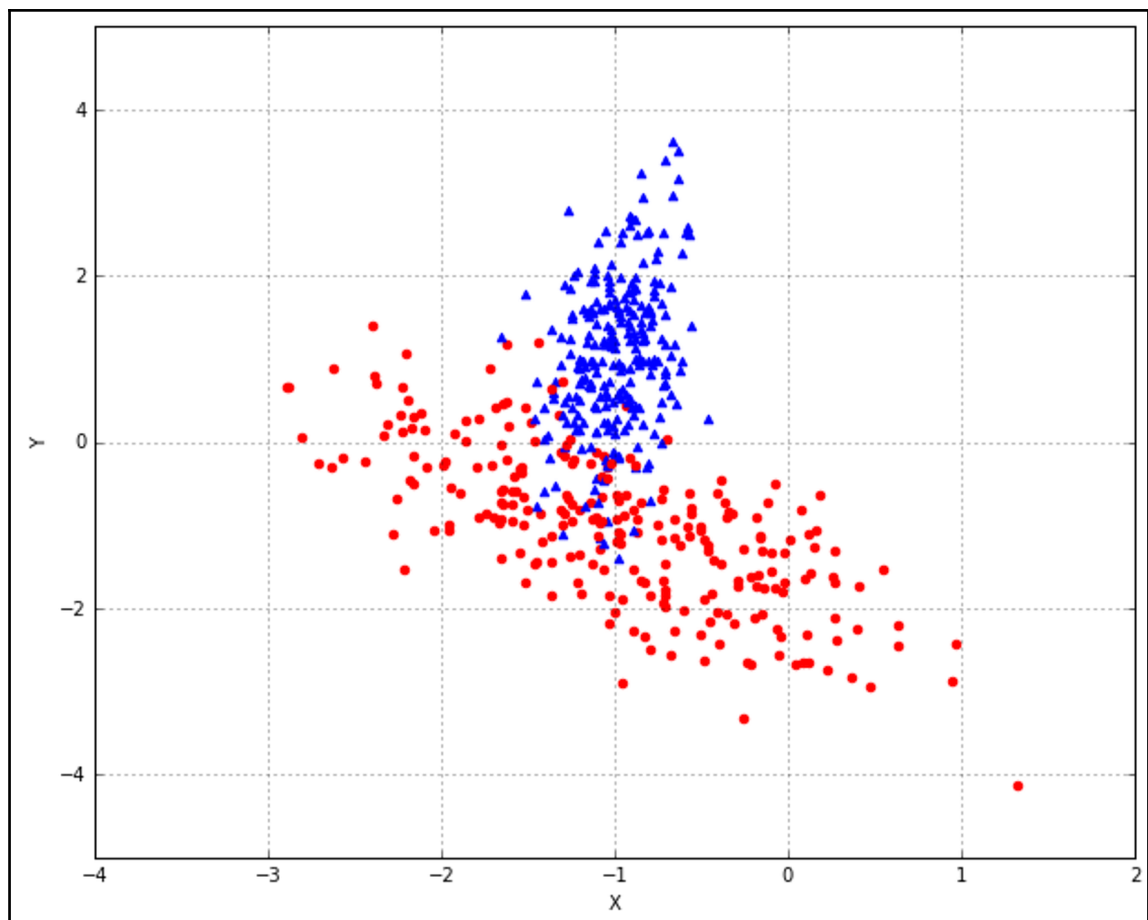




# Chapter 5: Logistic Regression







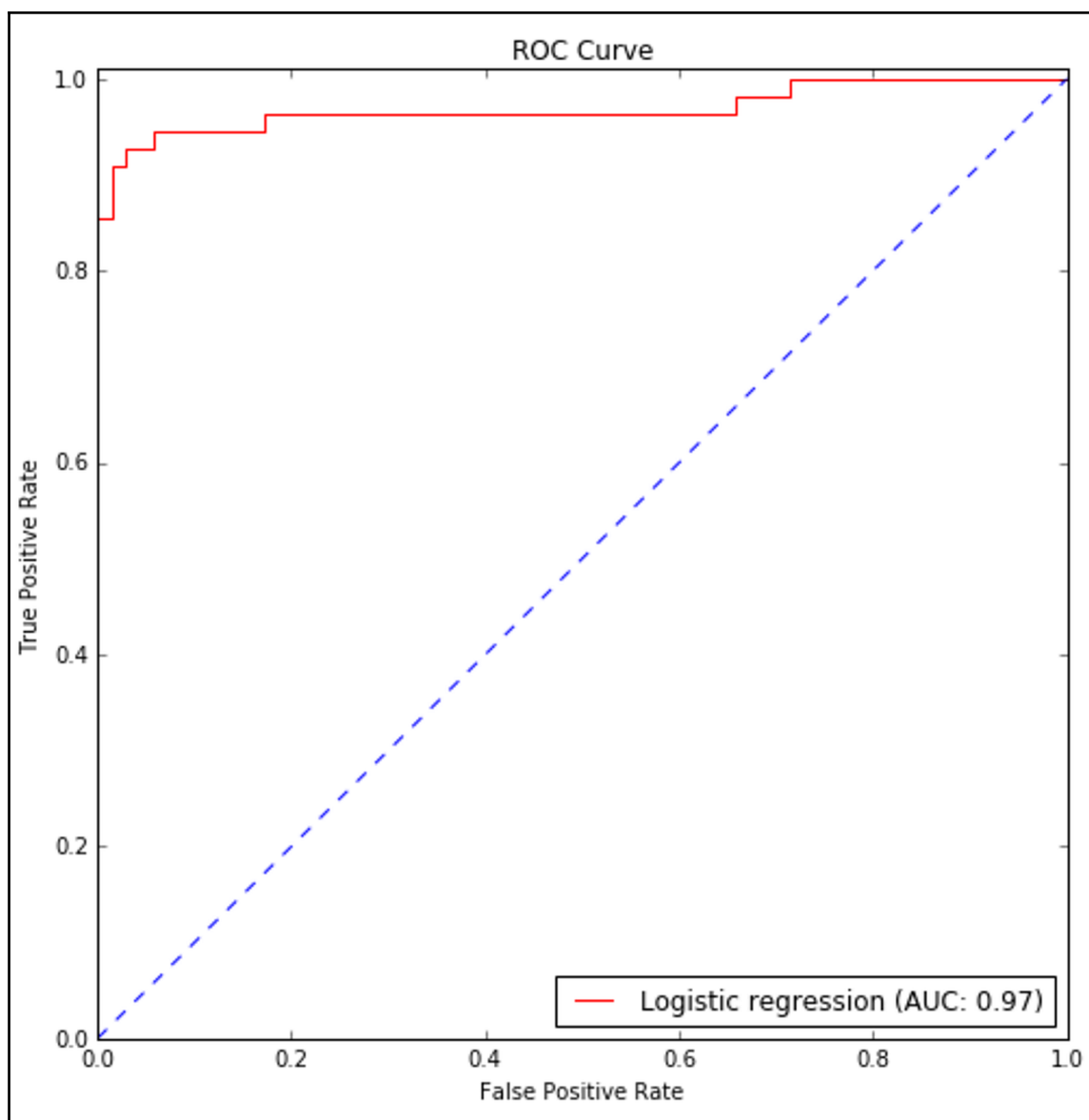
**True Positives**

**False Negatives**

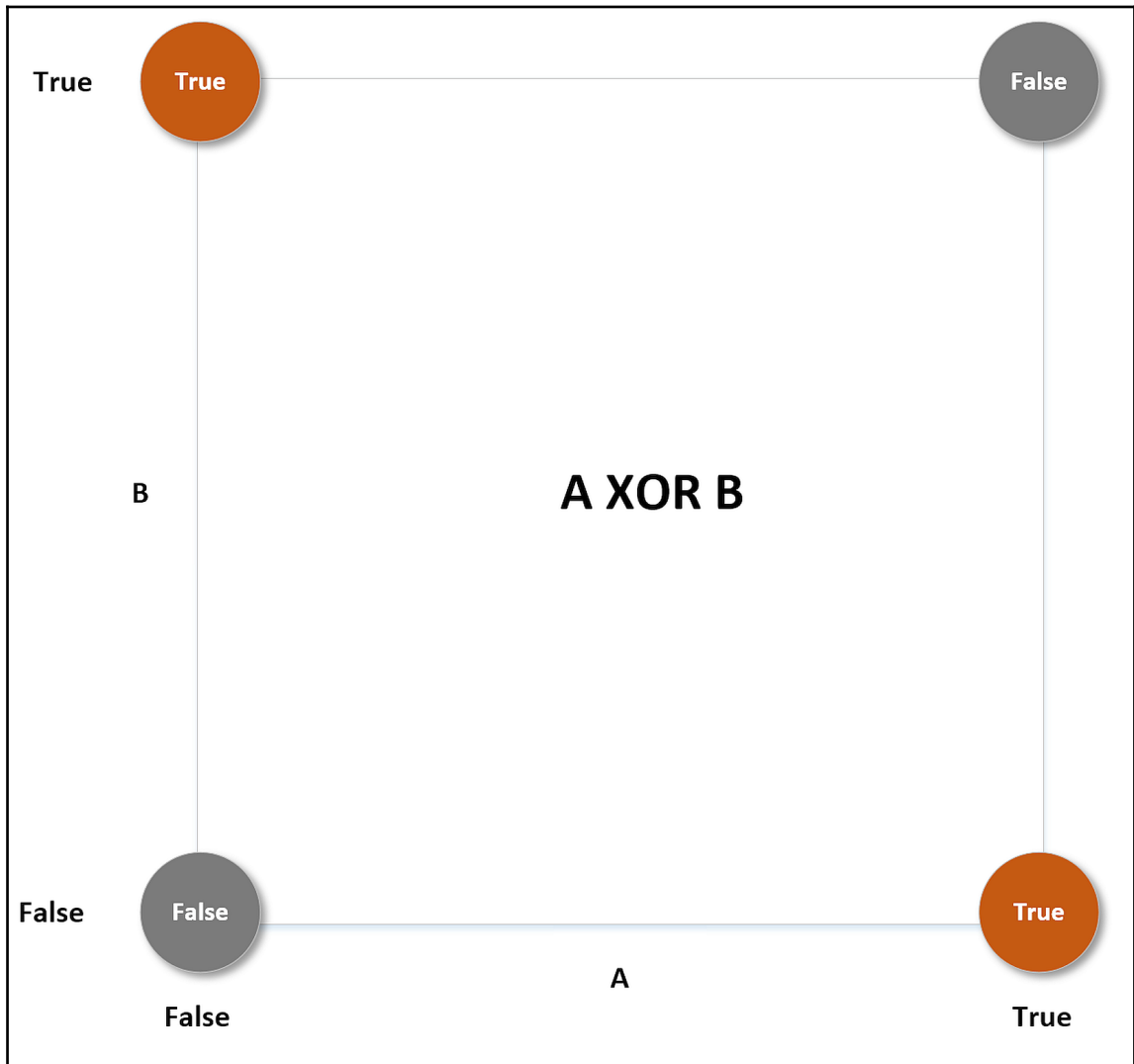
**False Positives**

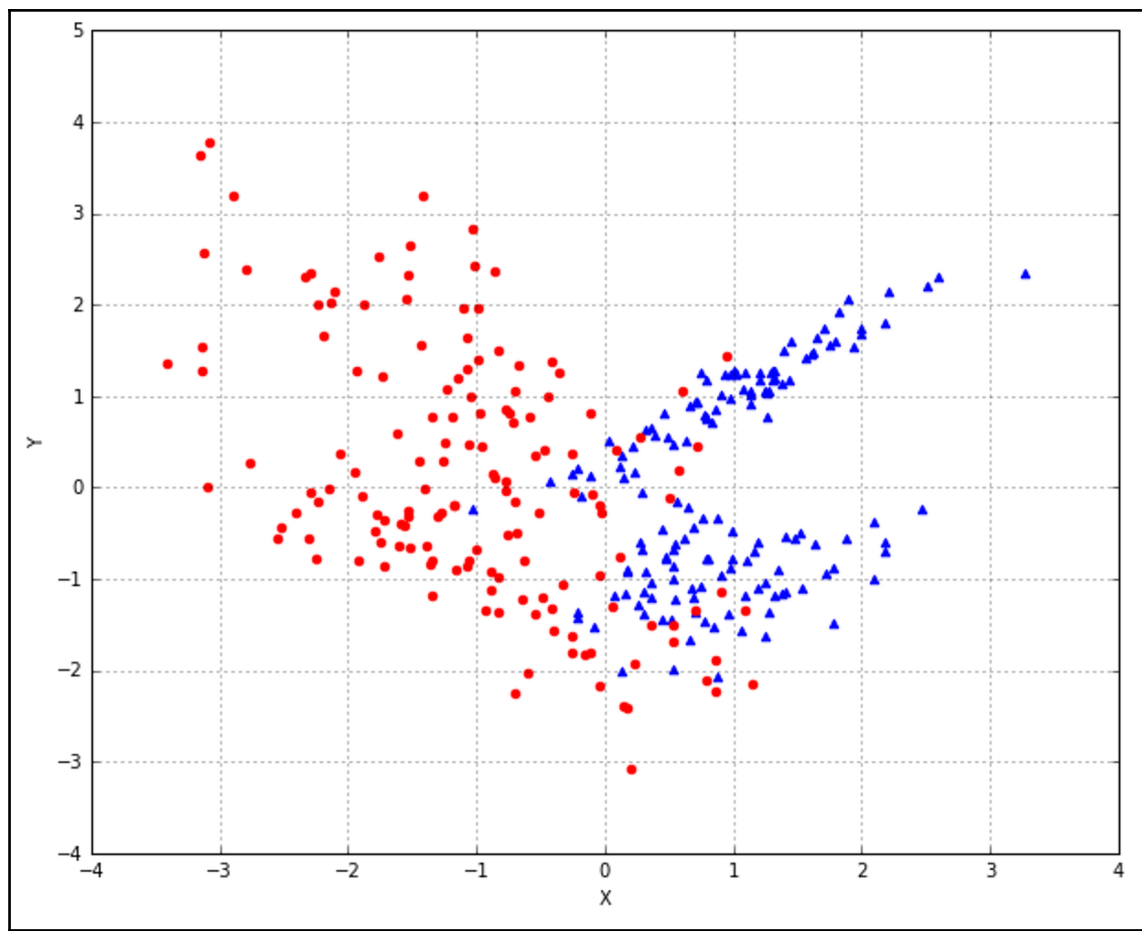
**True Negatives**



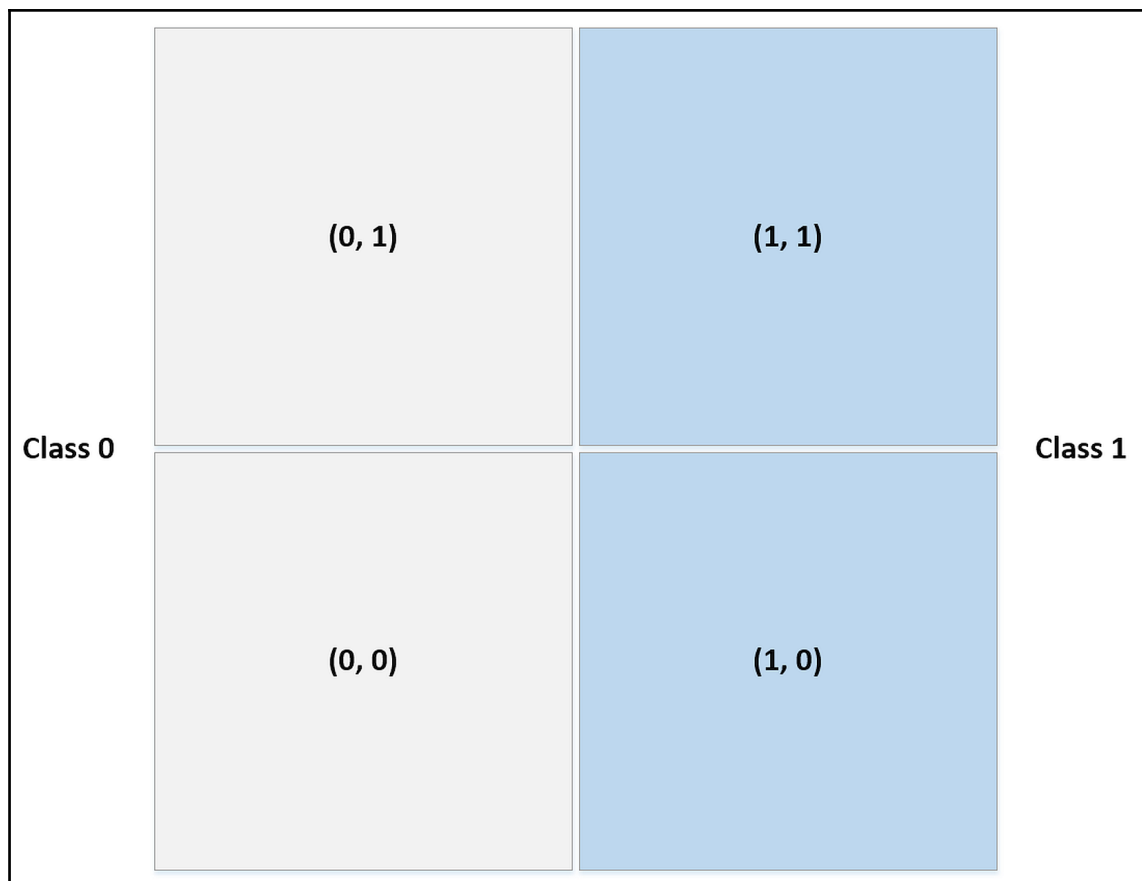


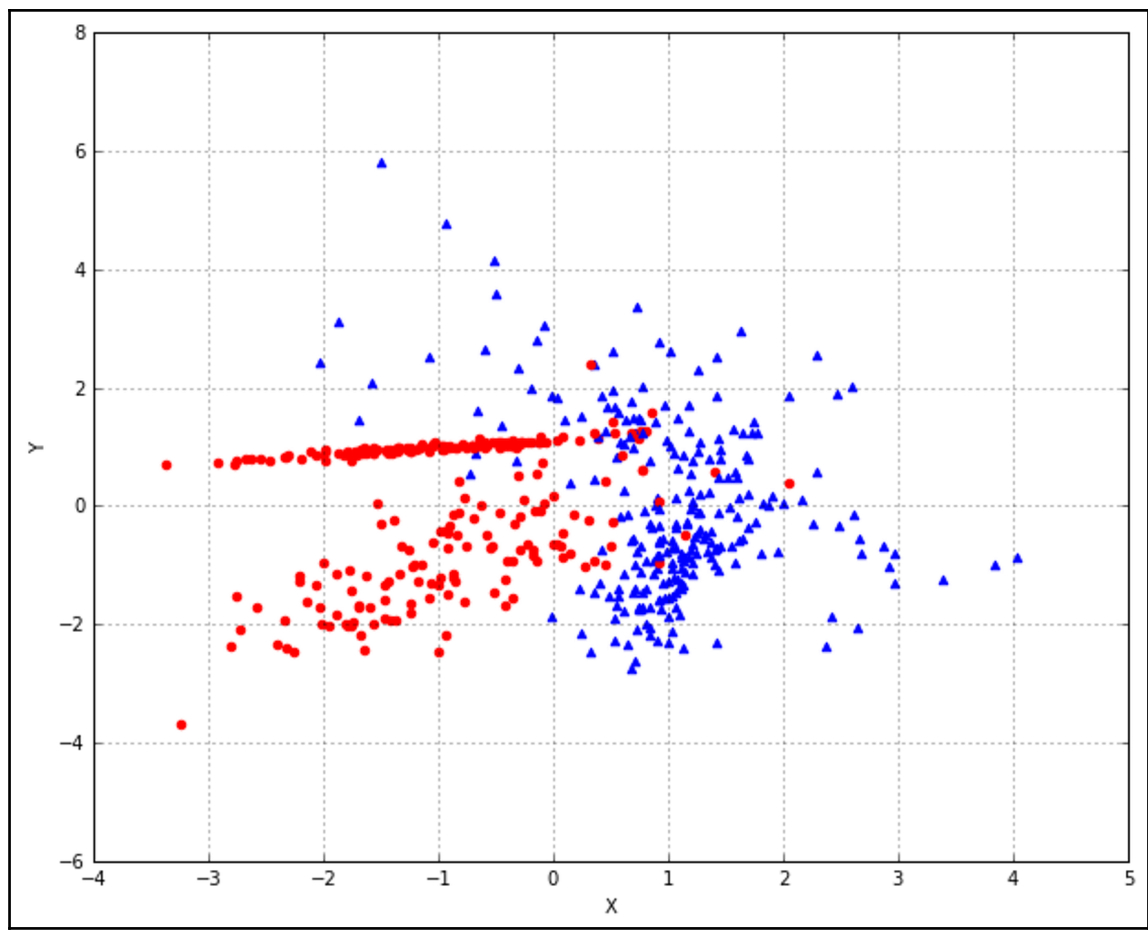
## Chapter 6: Naive Bayes



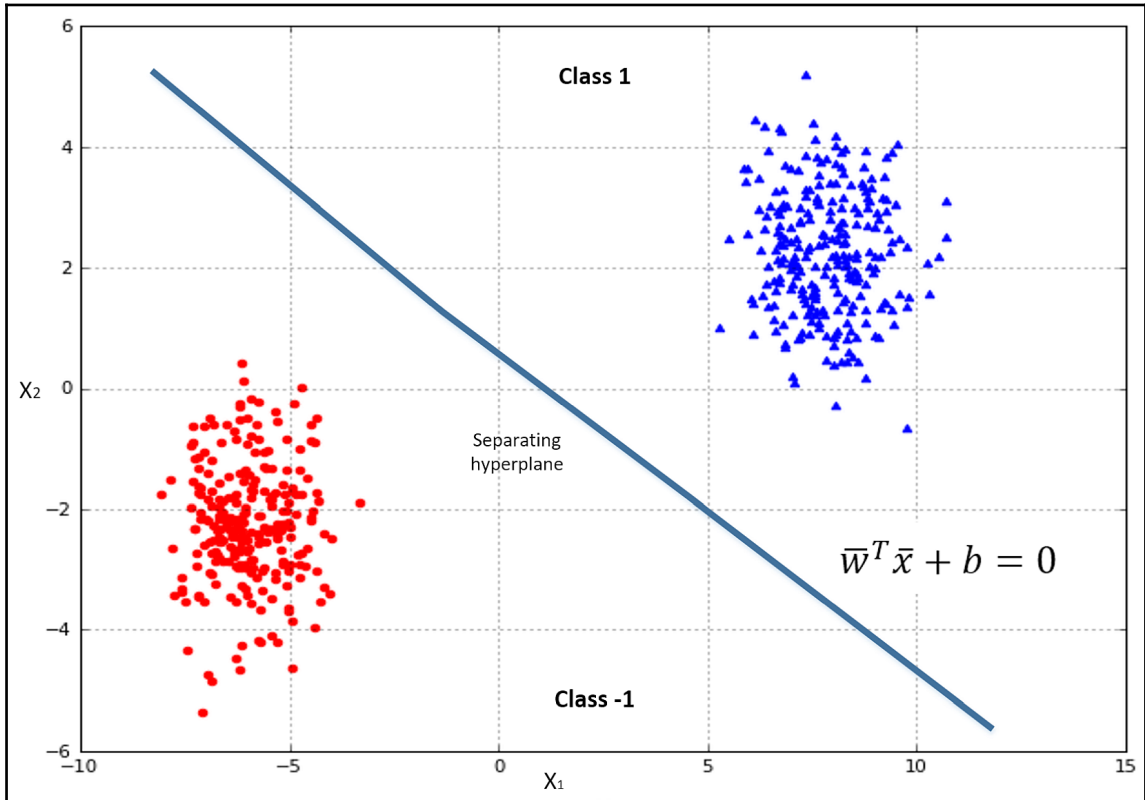


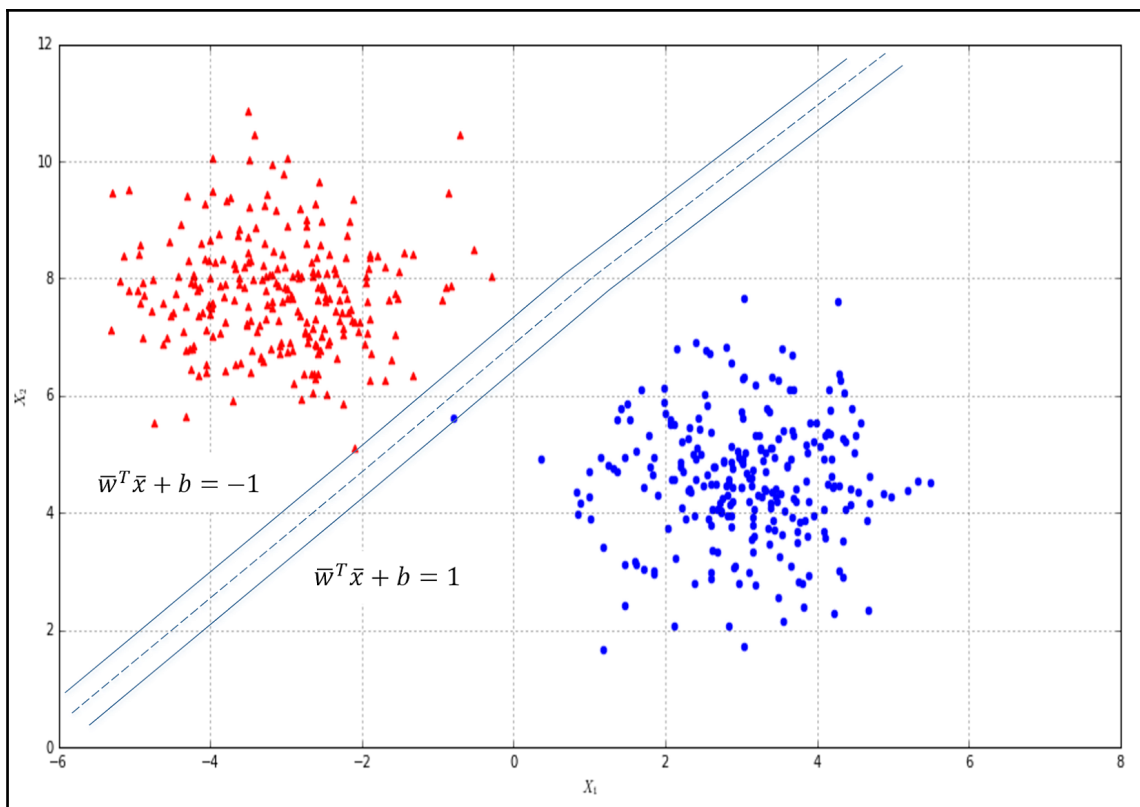


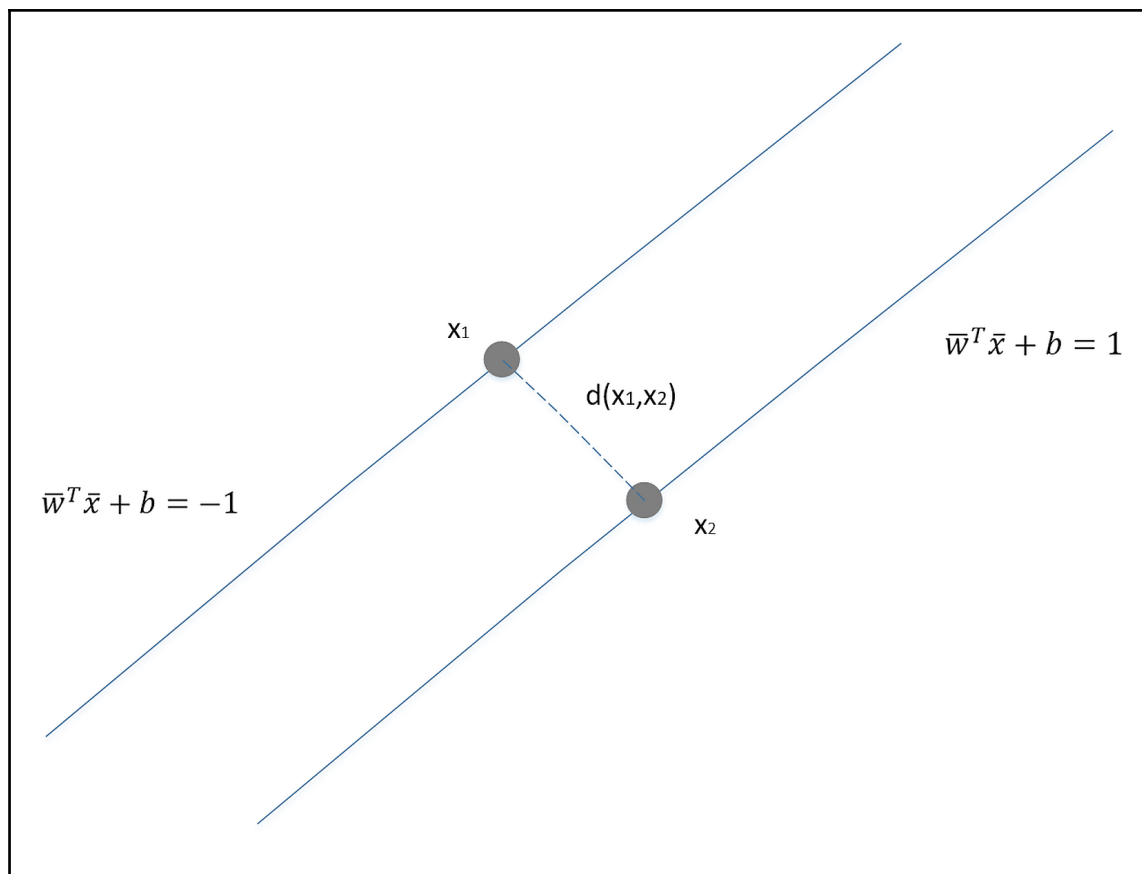


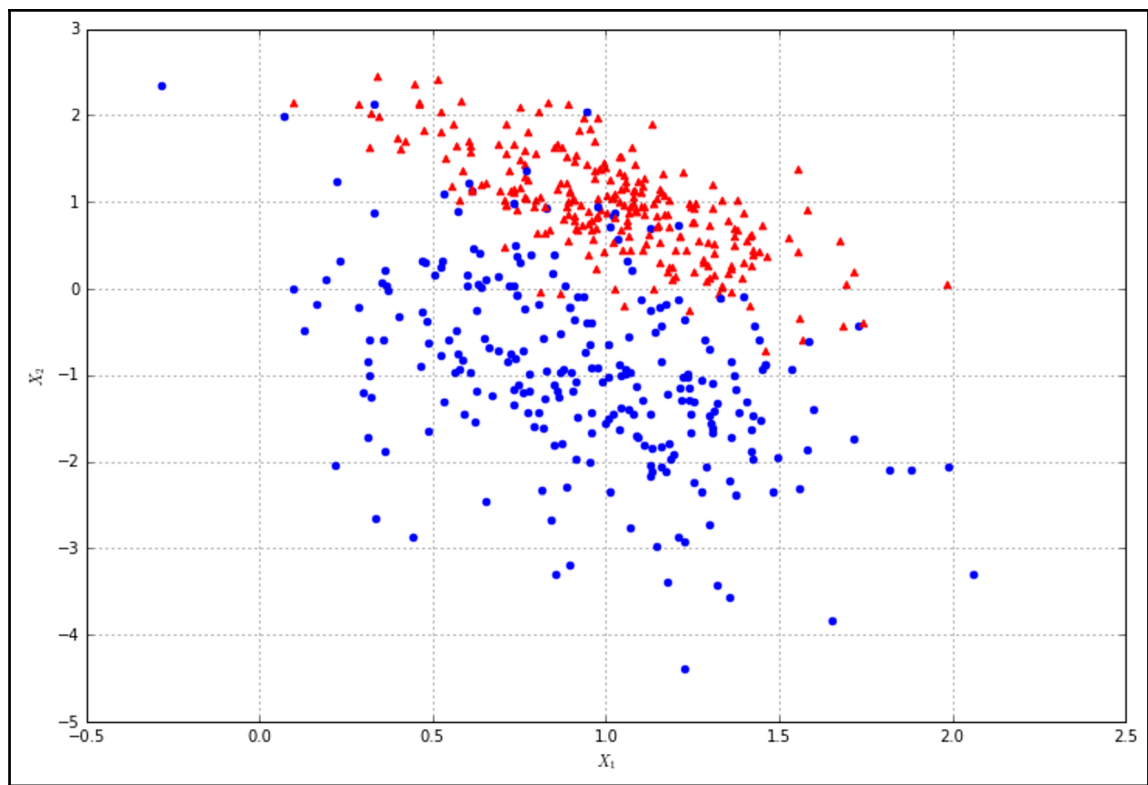


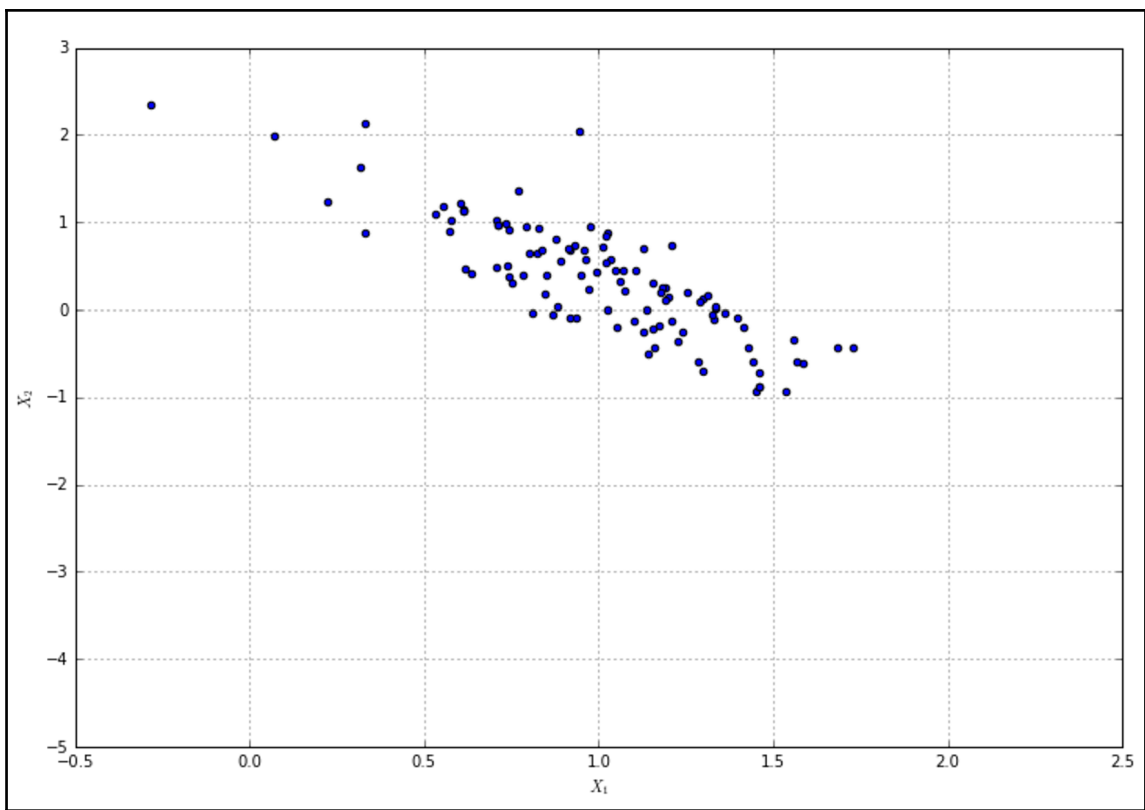
# Chapter 7: Support Vector Machines











# **Chapter 8: Decision Trees and Ensemble Learning**

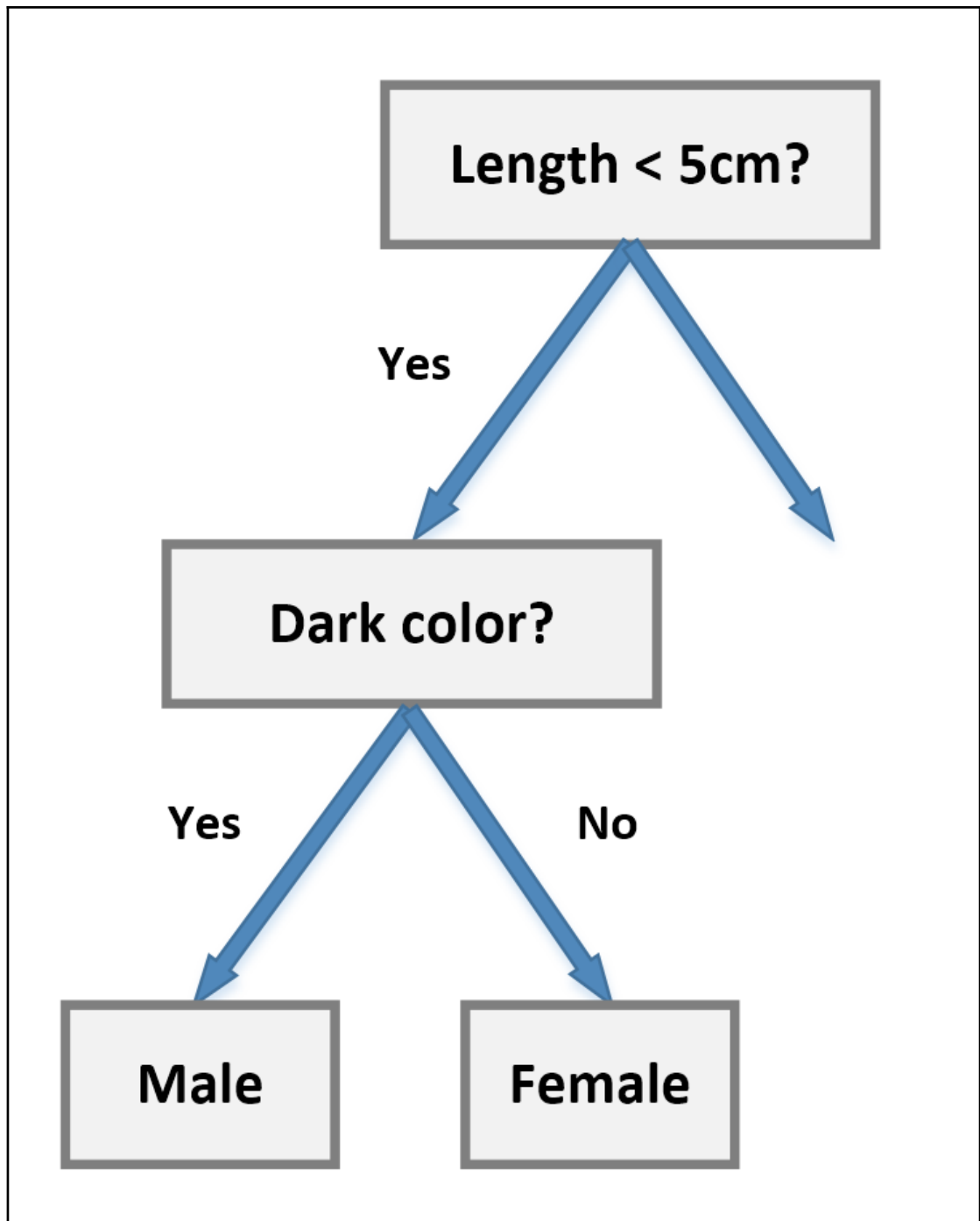


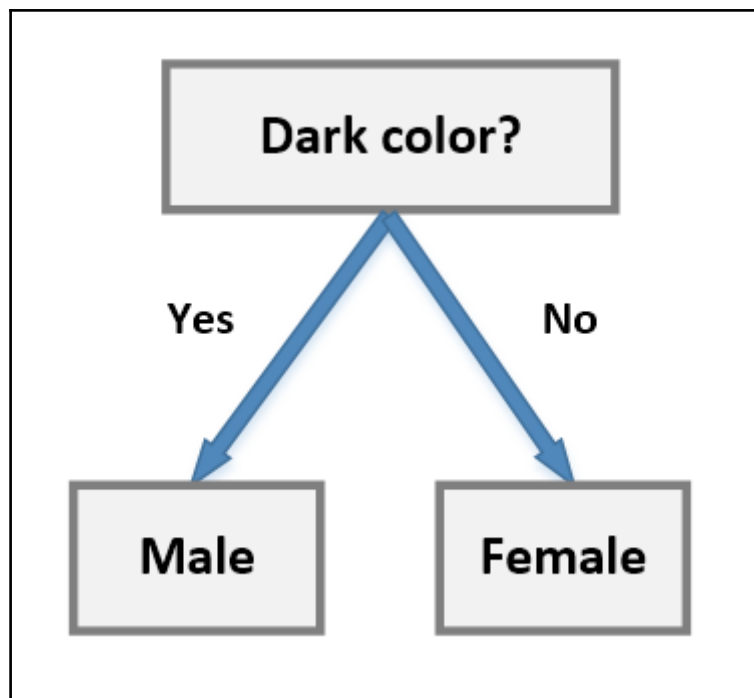
**Feature(m) < t ?**

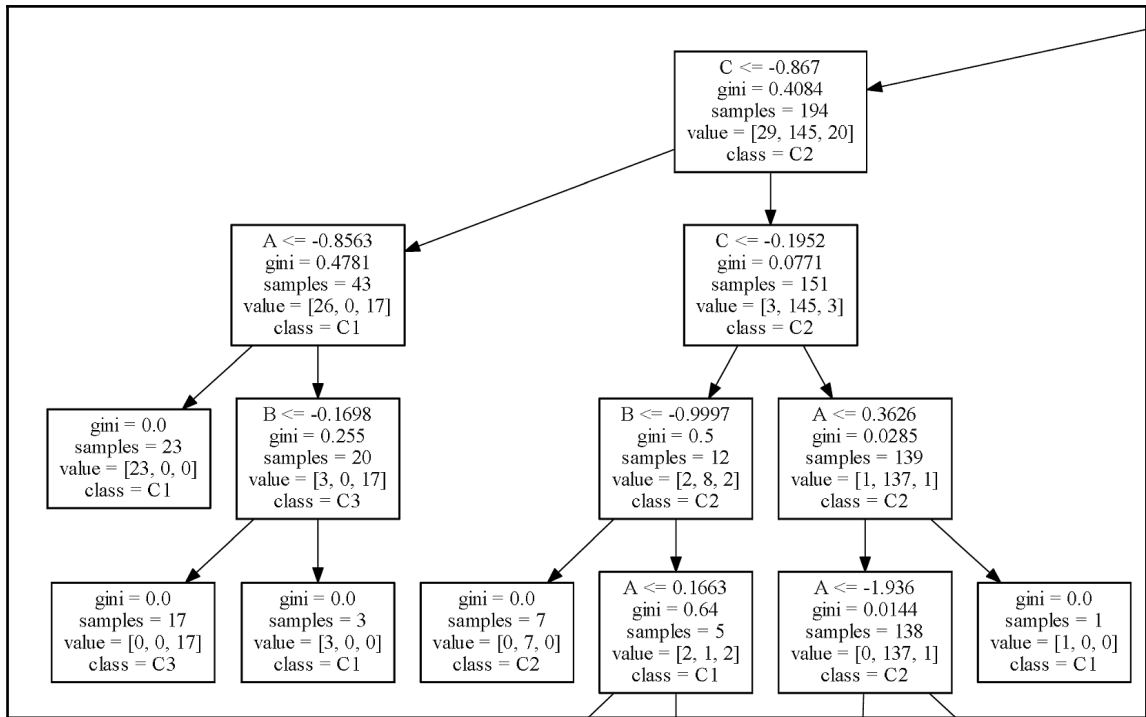
**Yes**

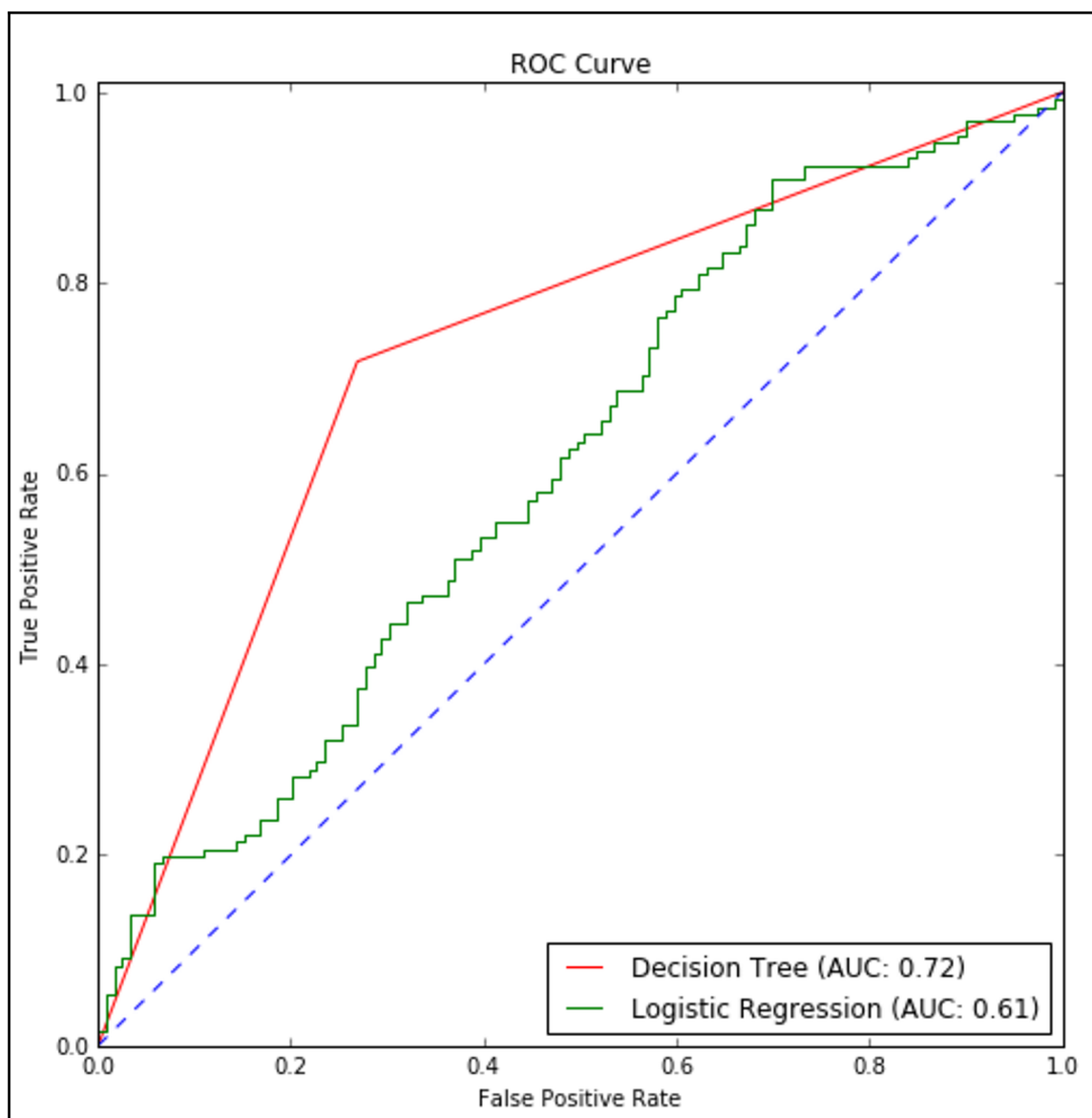
**No**

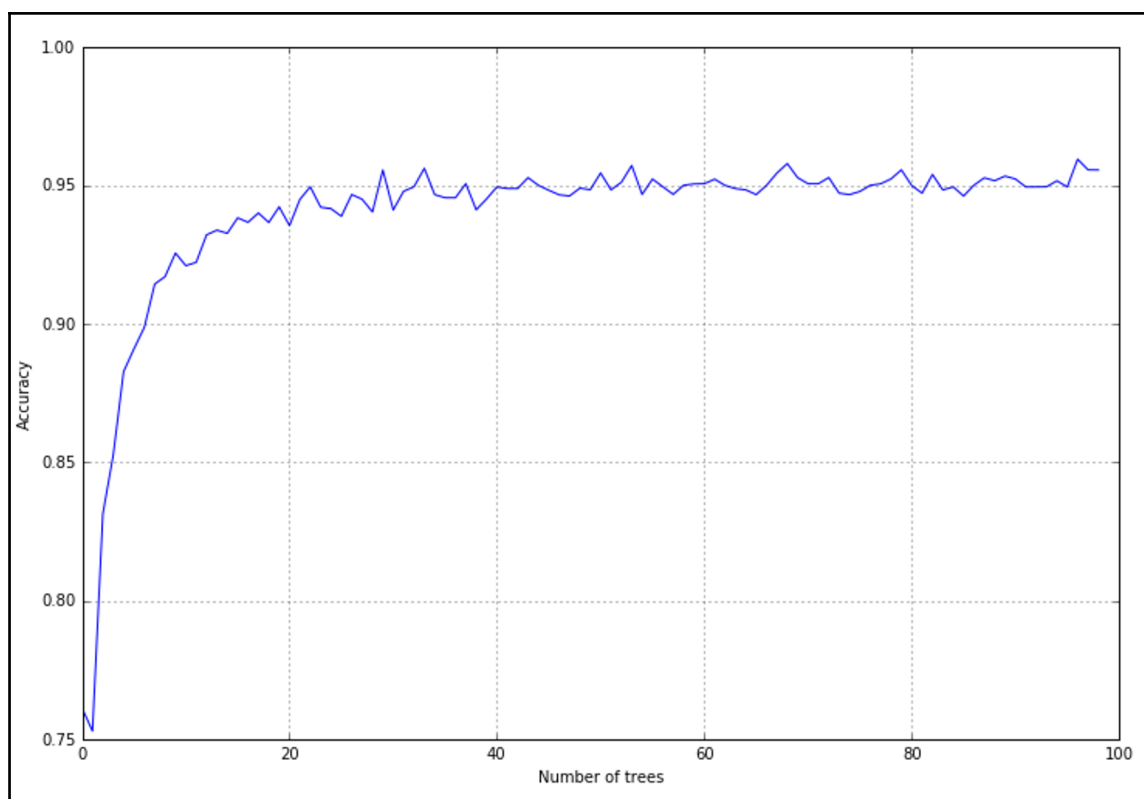


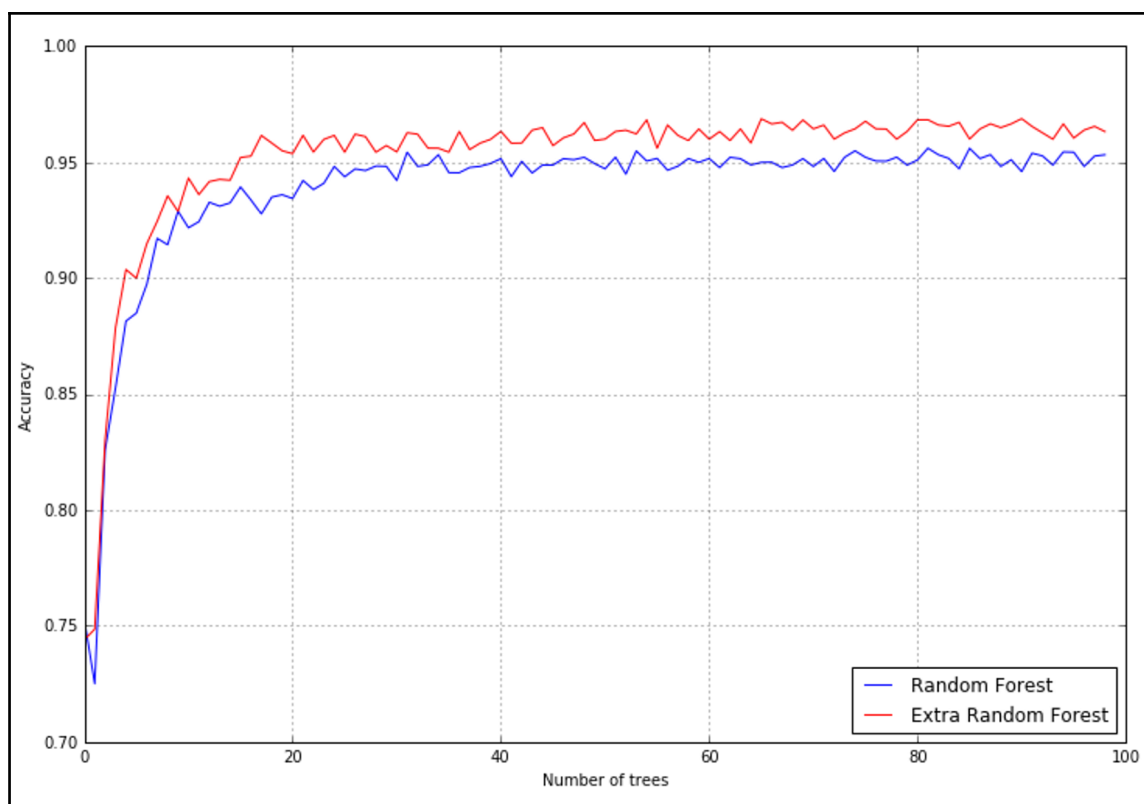




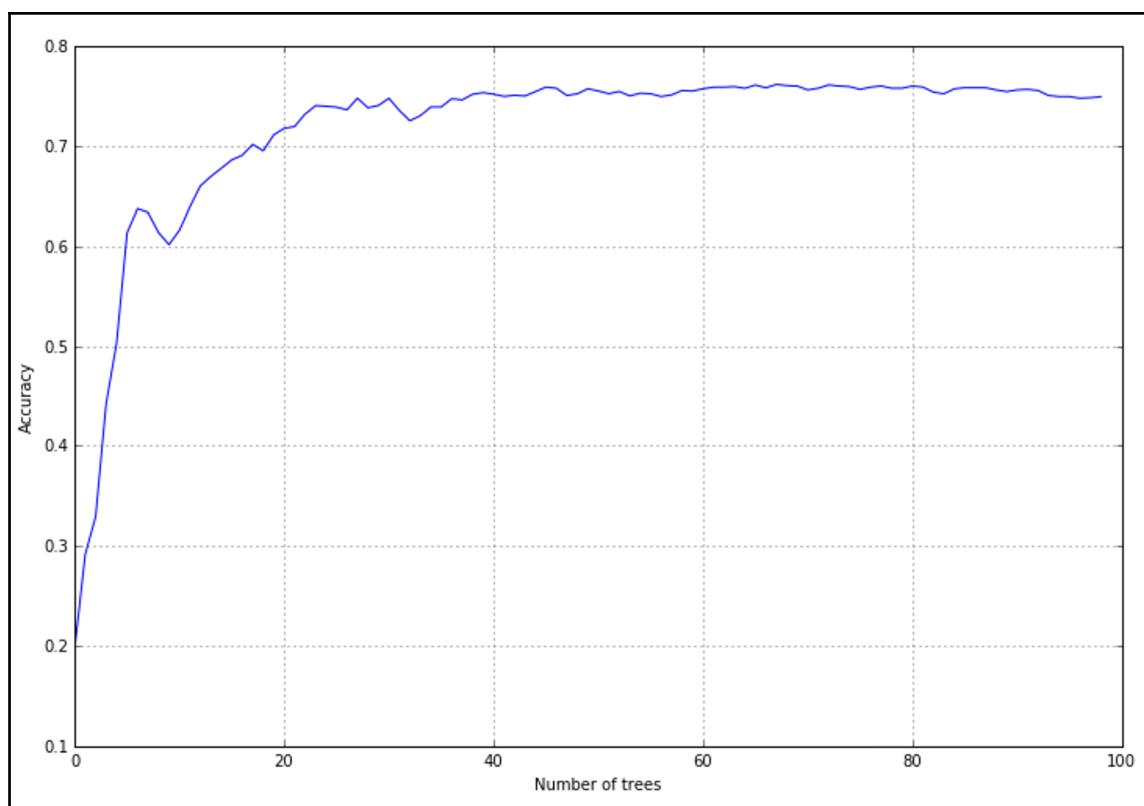




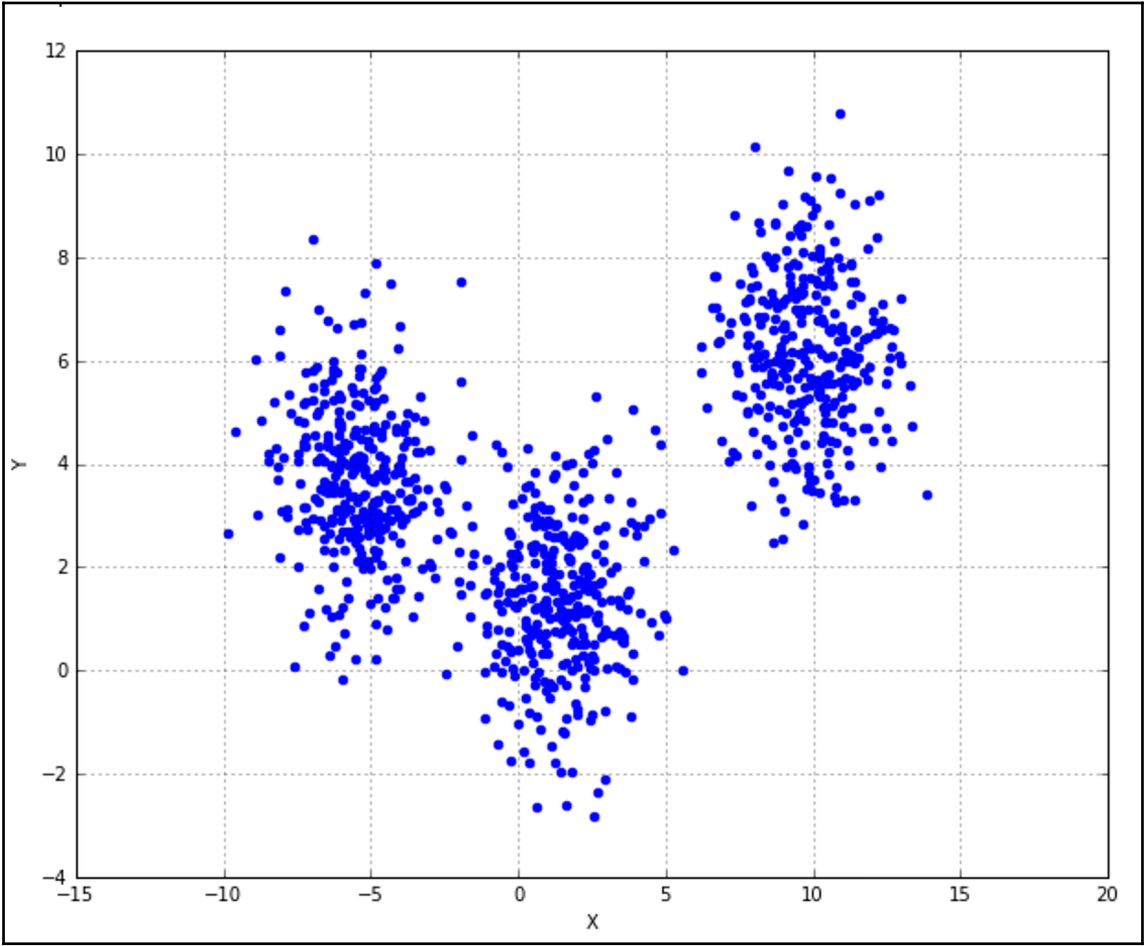


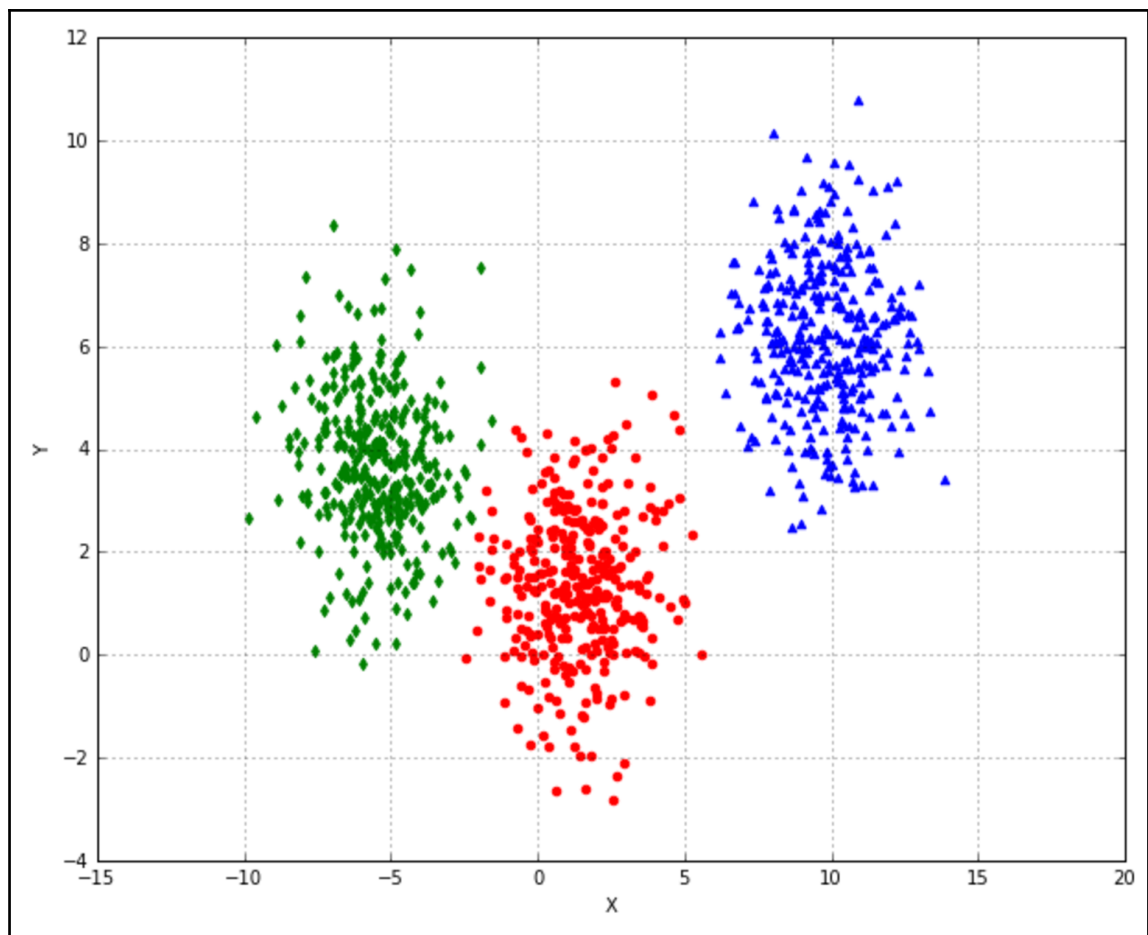


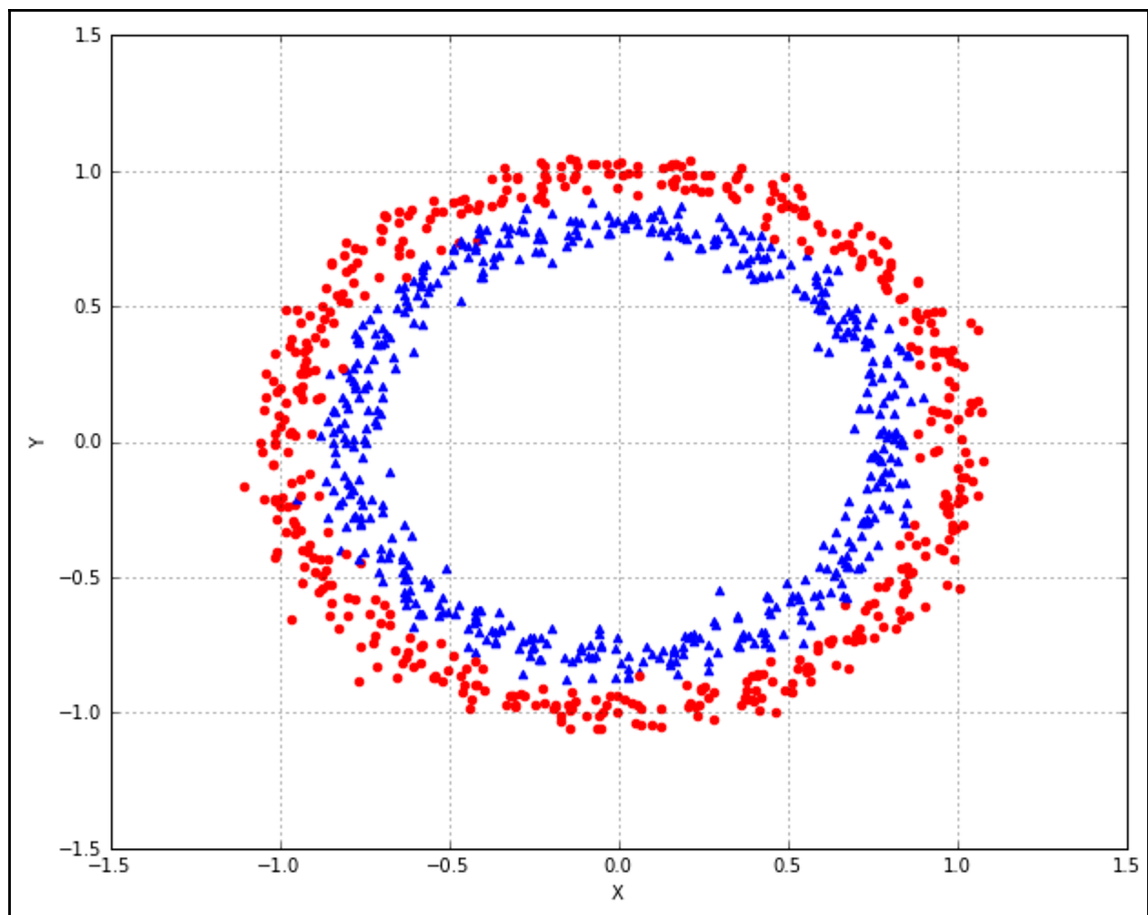


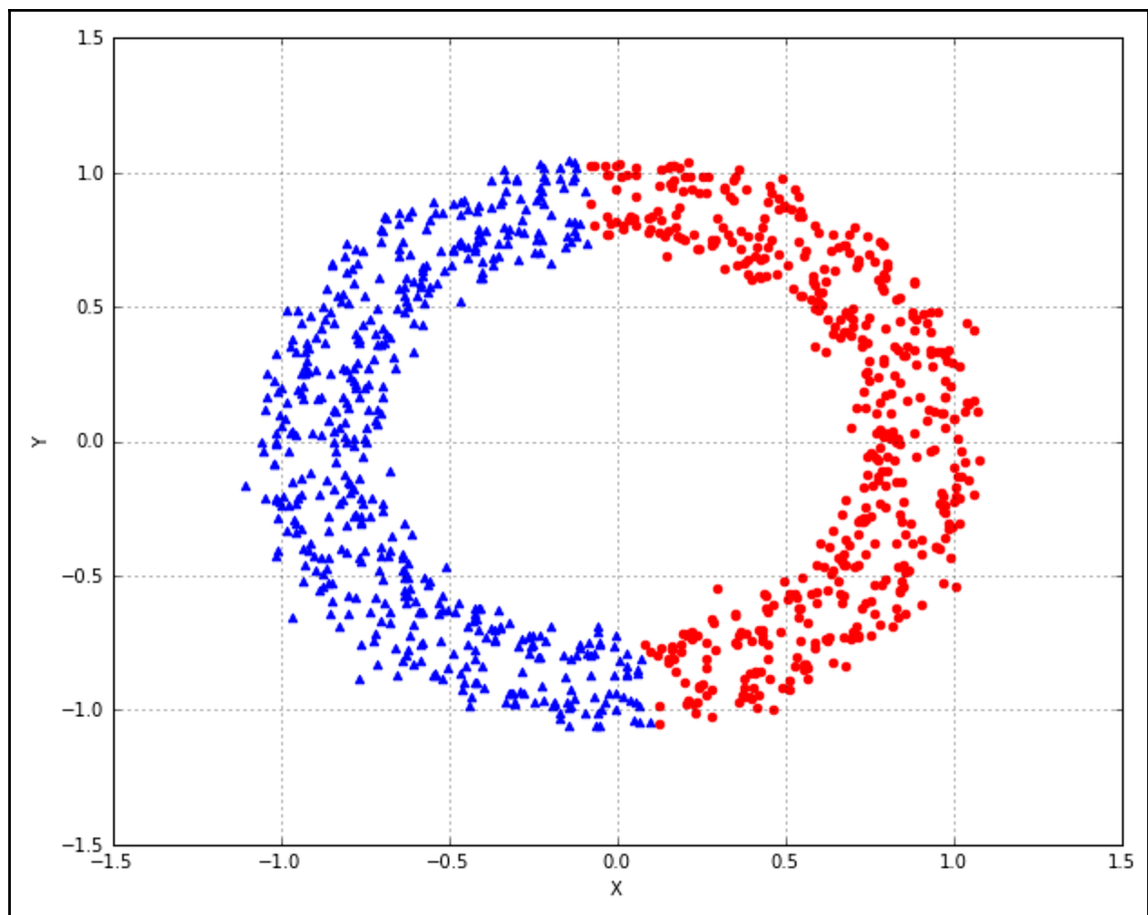


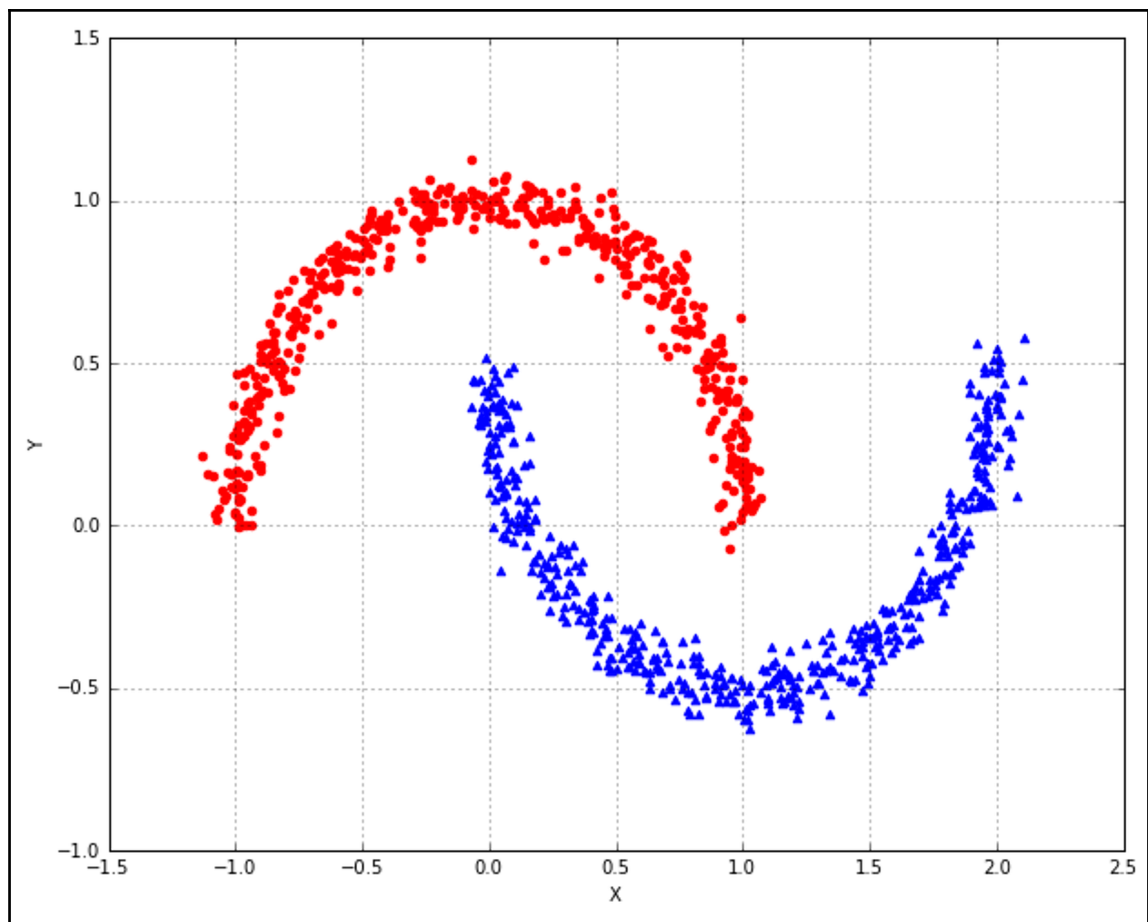
# Chapter 9: Clustering Fundamentals

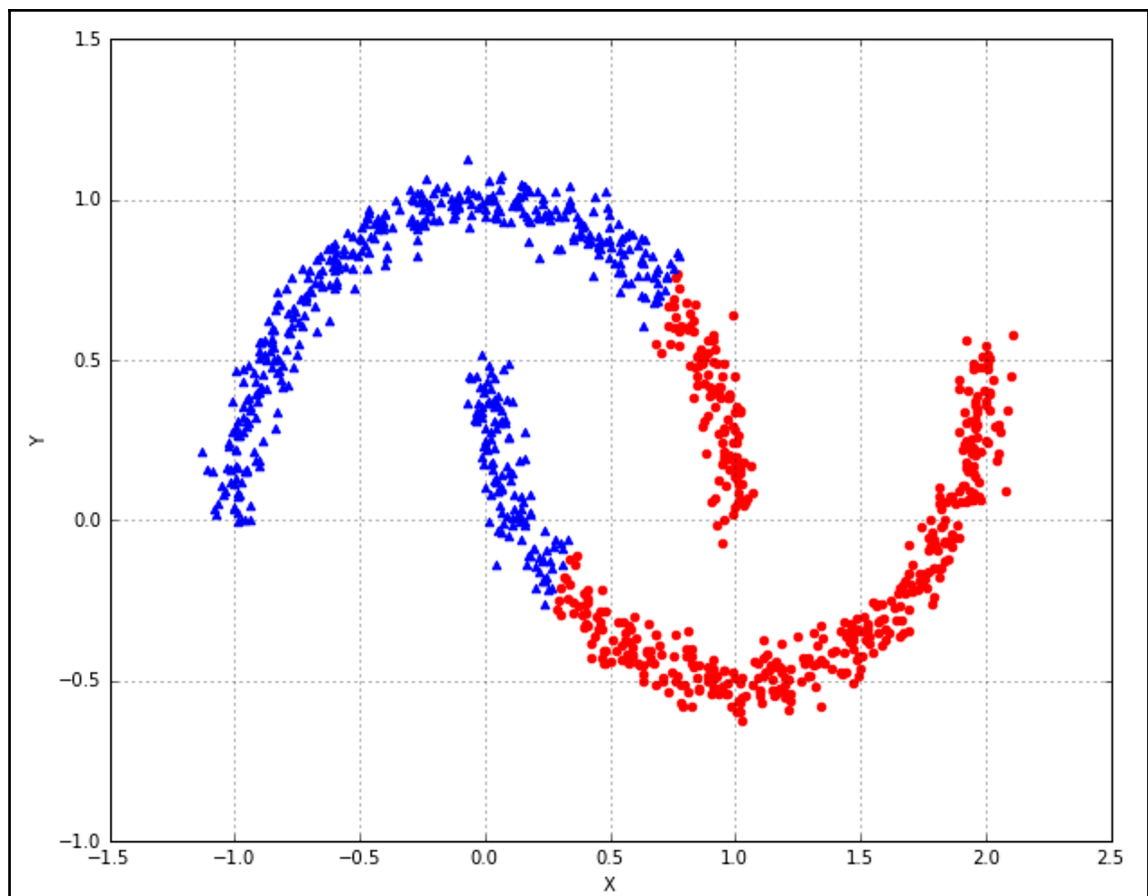


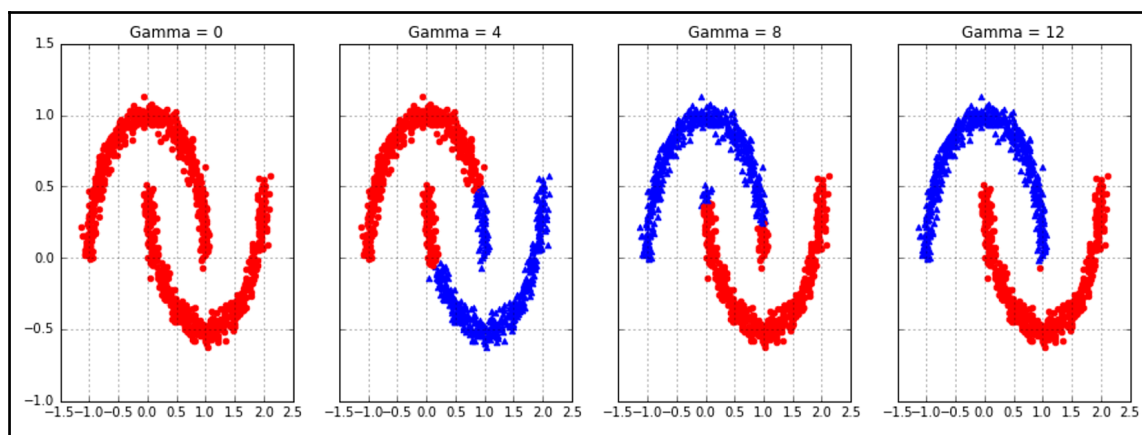
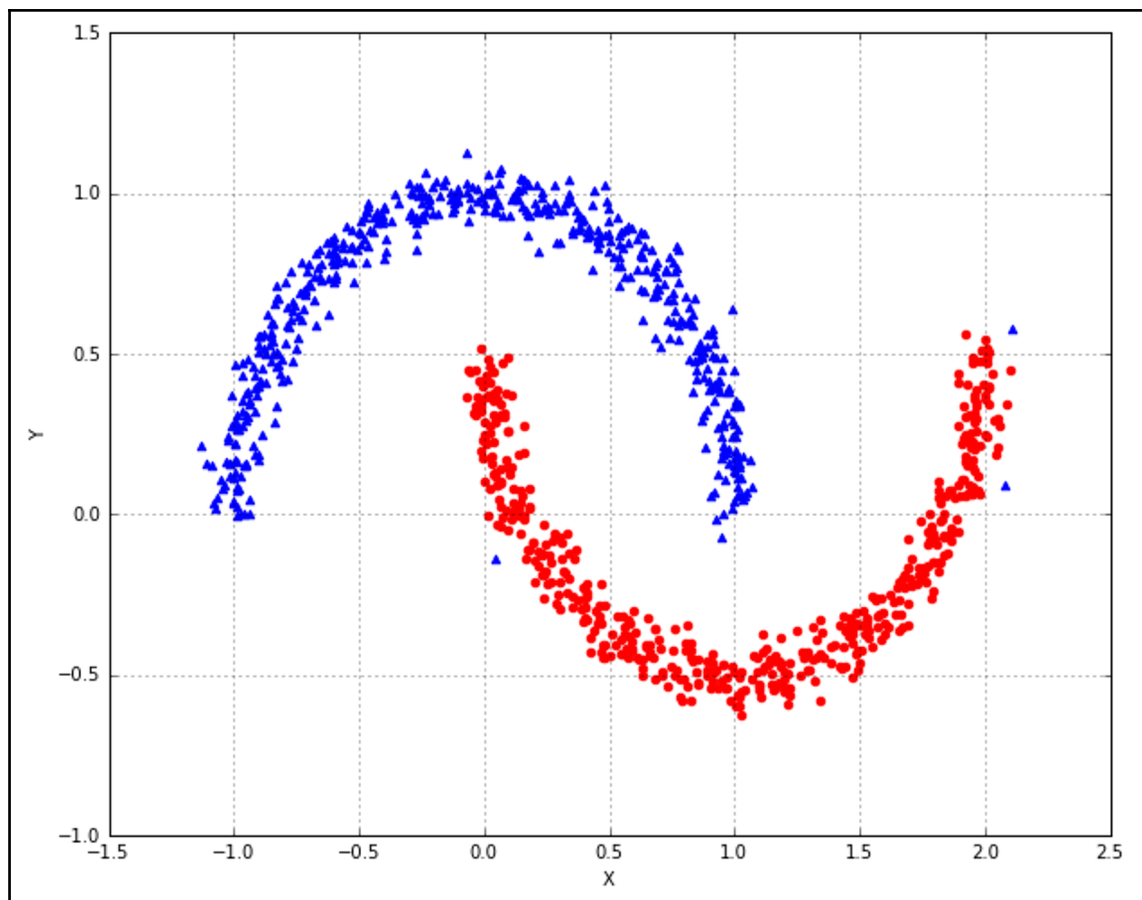






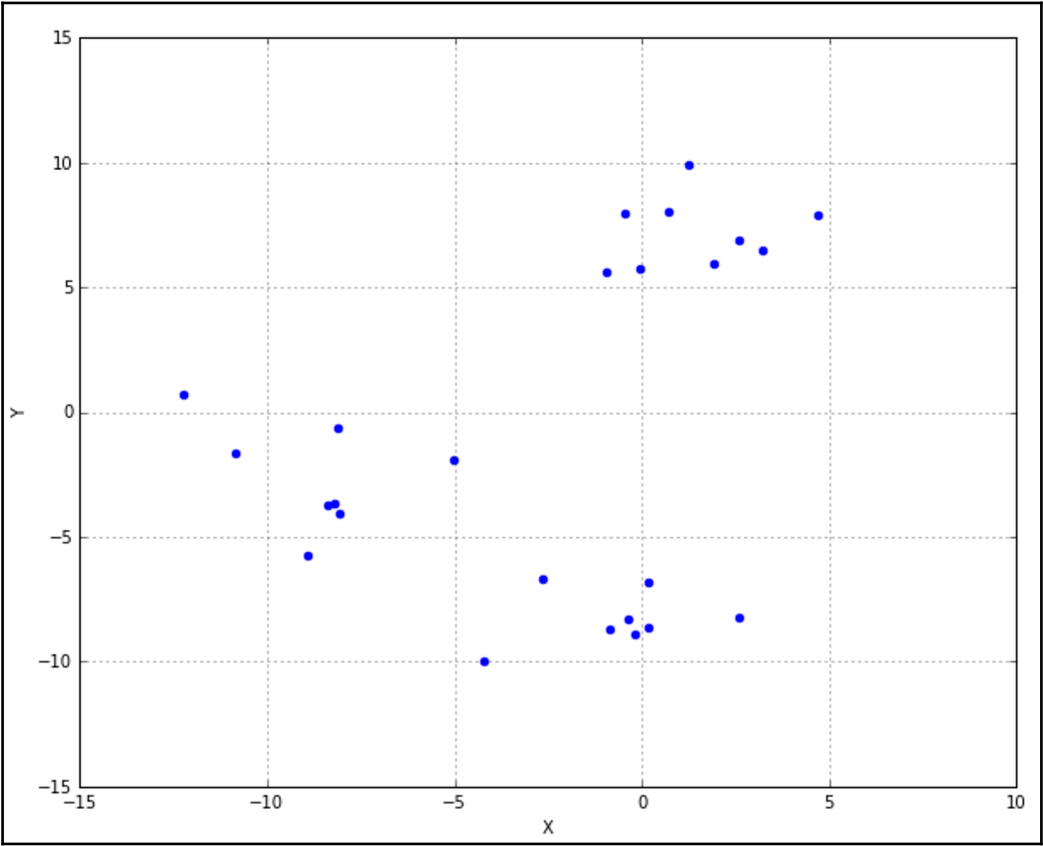


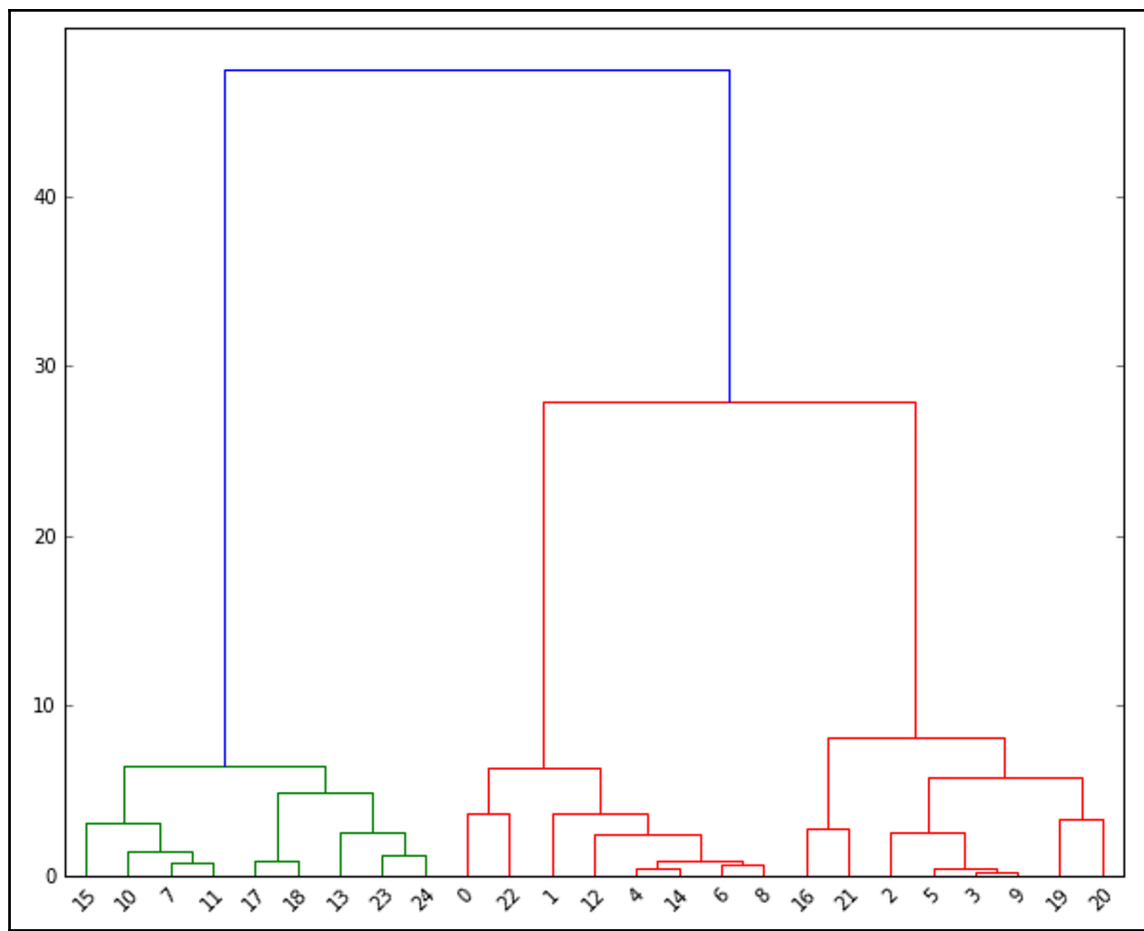


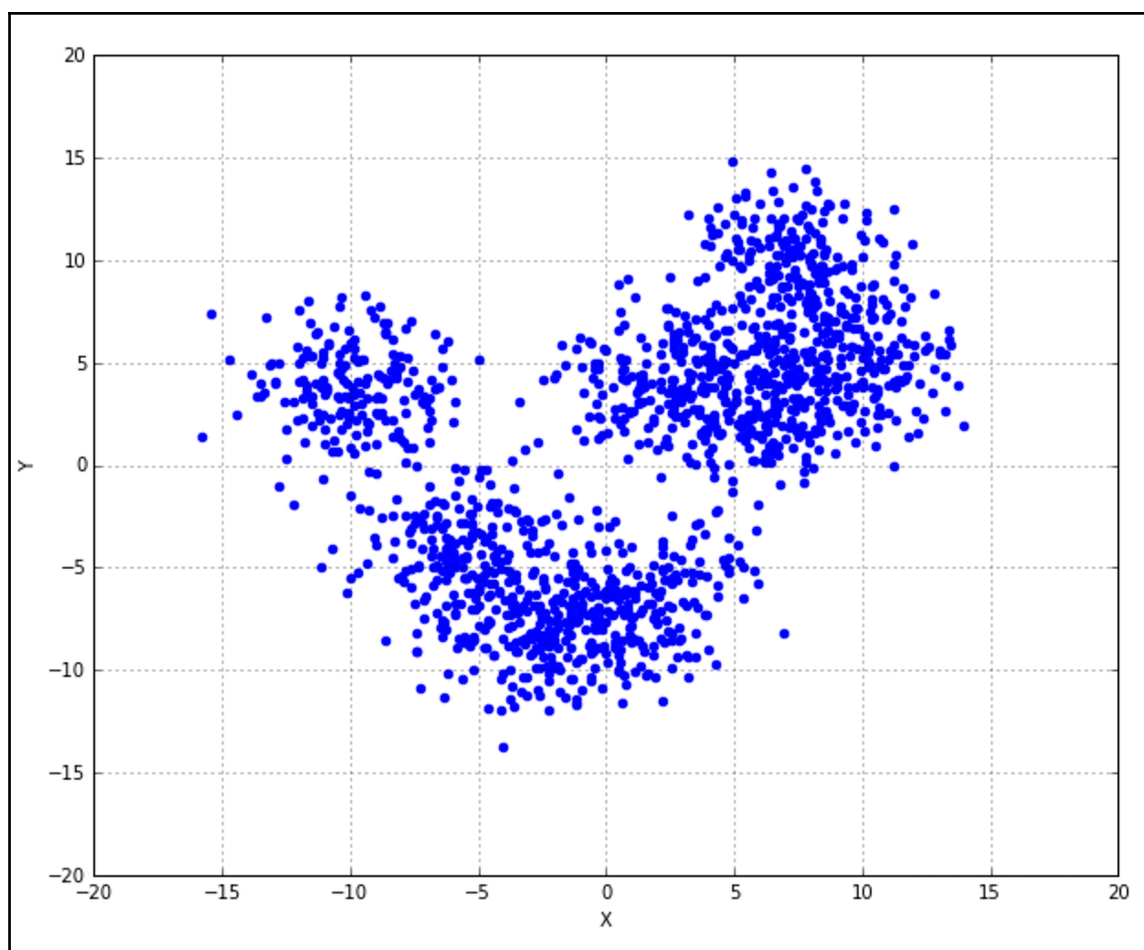


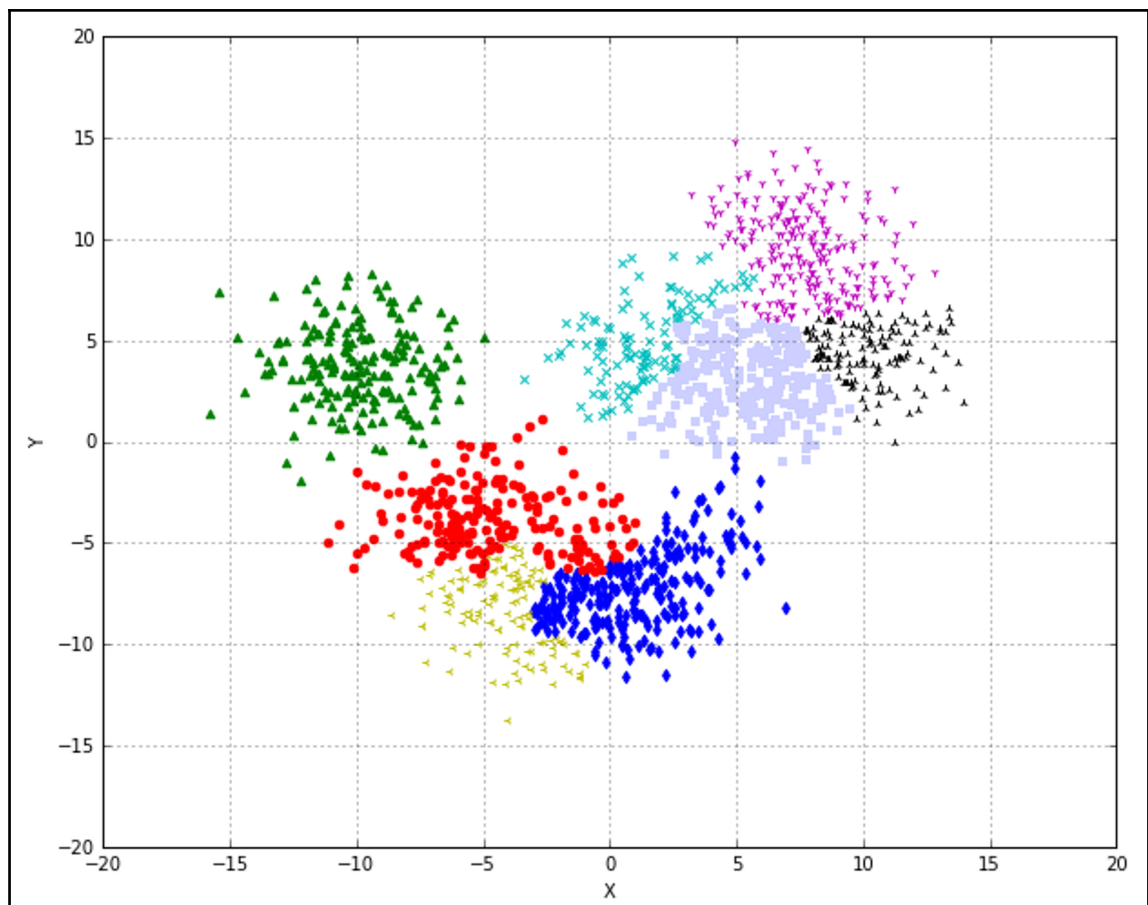


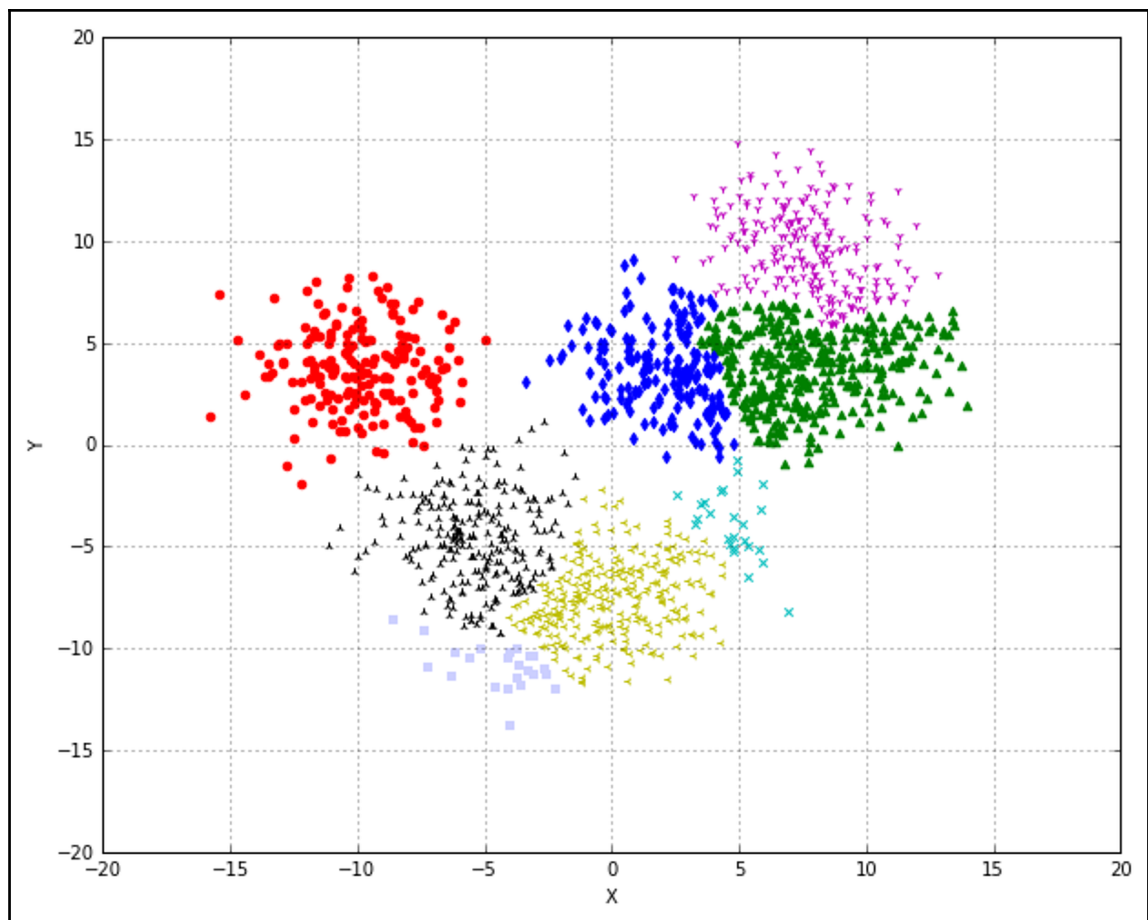
# Chapter 10: Hierarchical Clustering

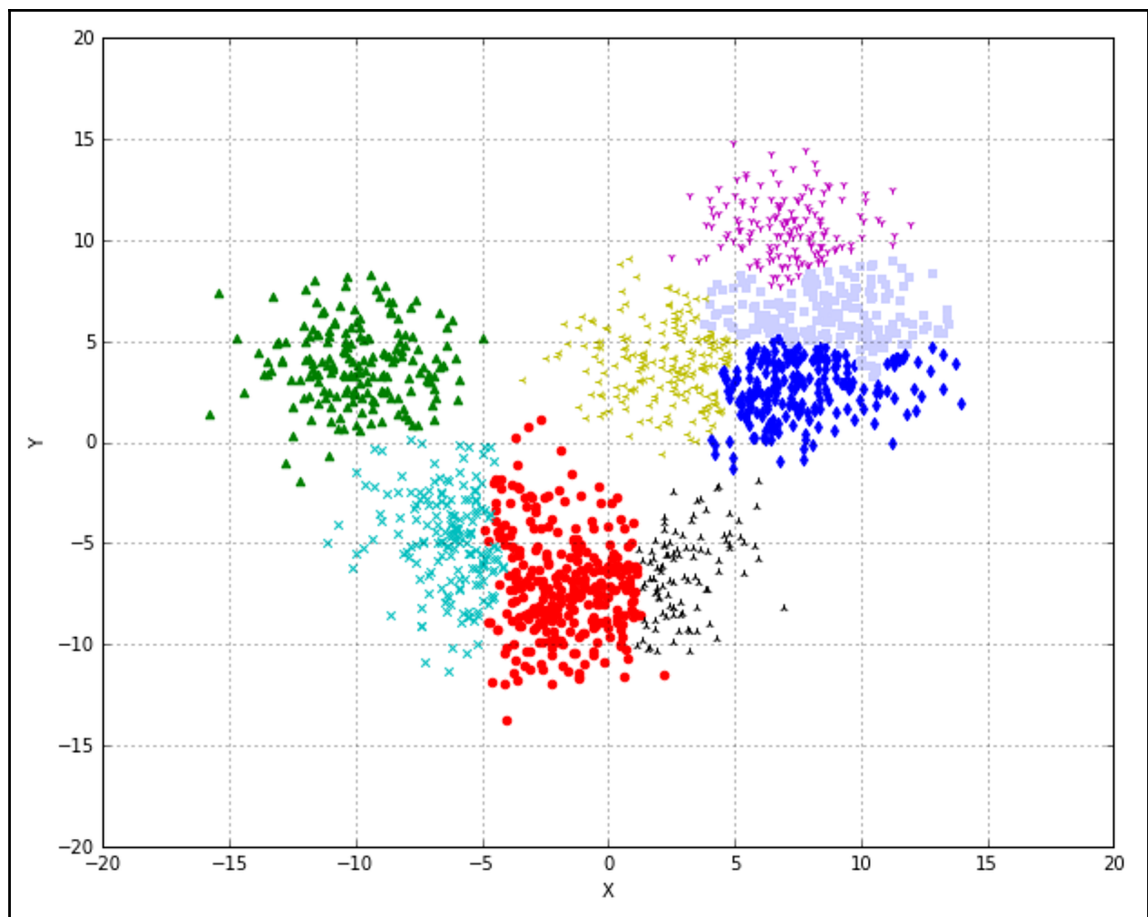


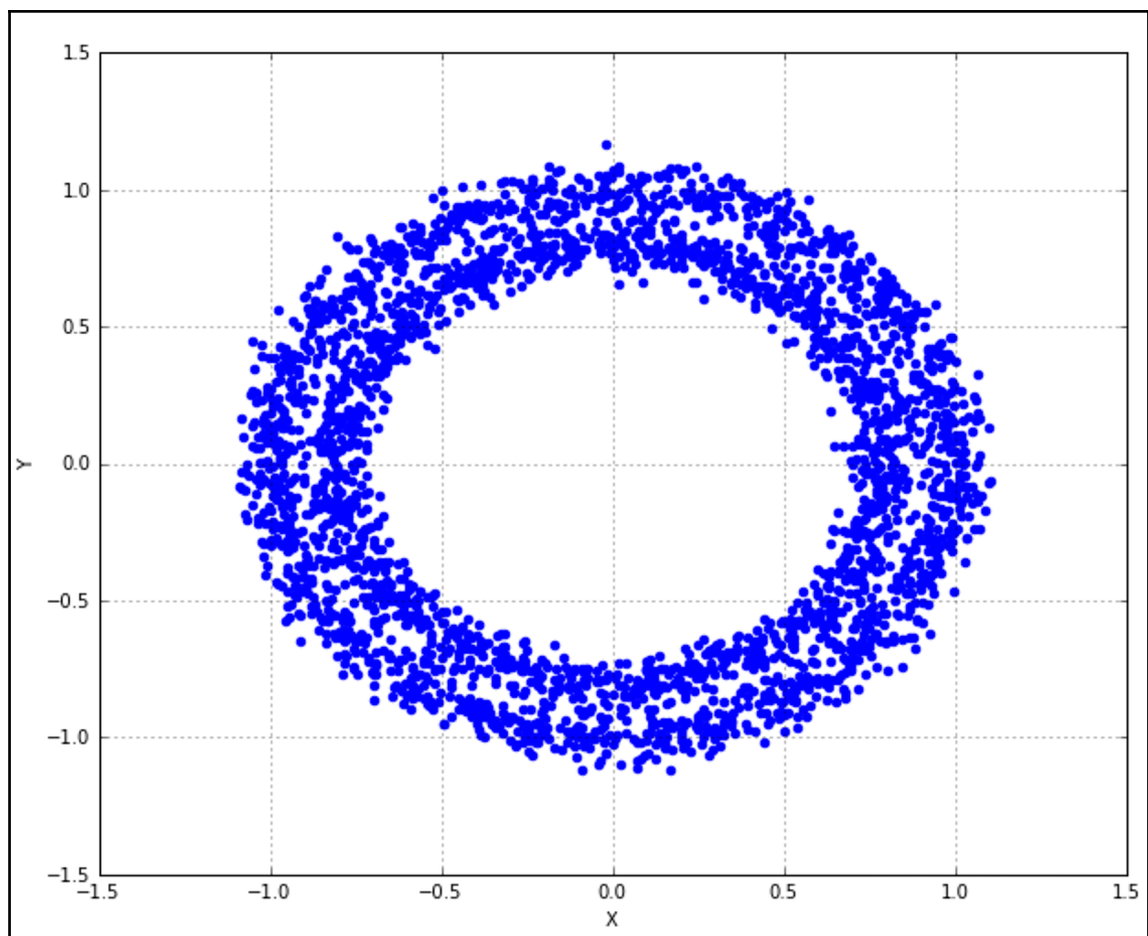


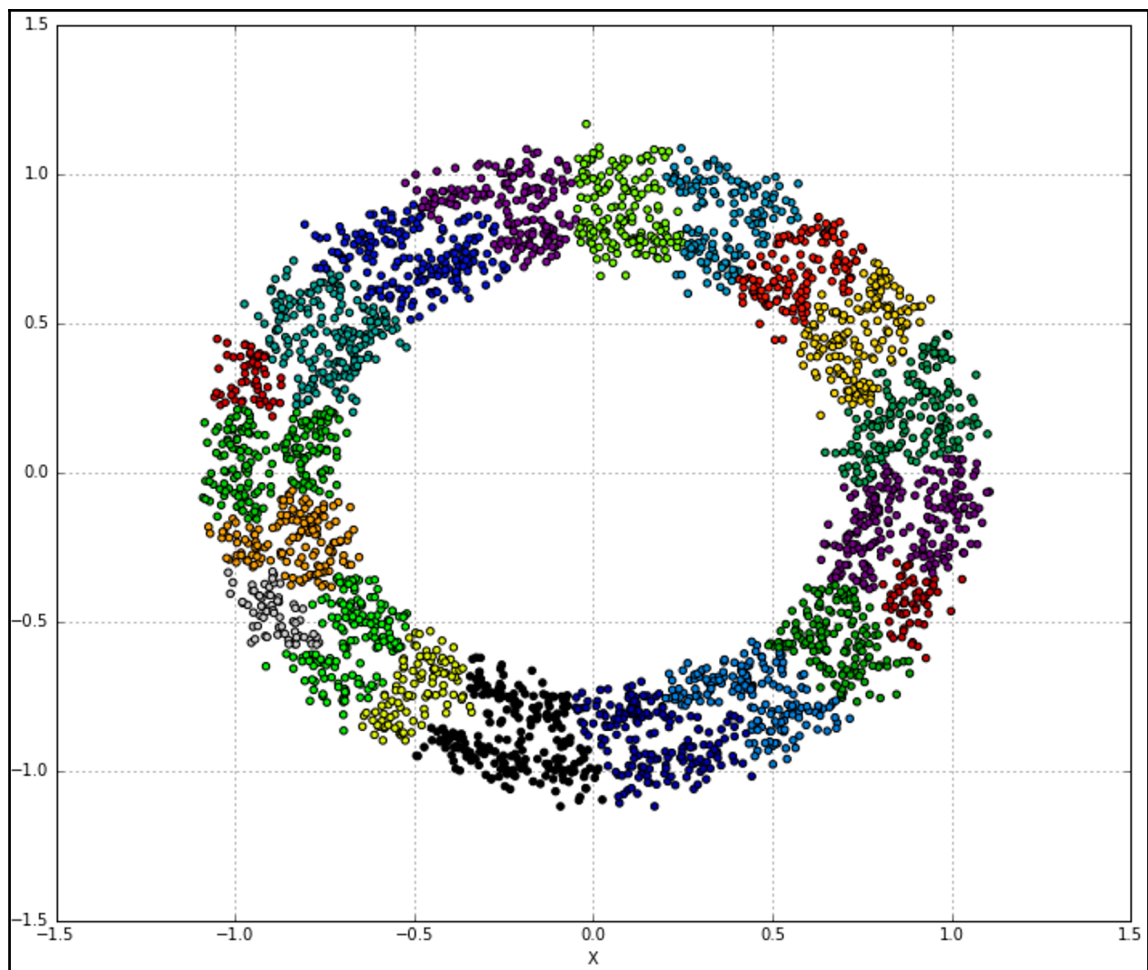




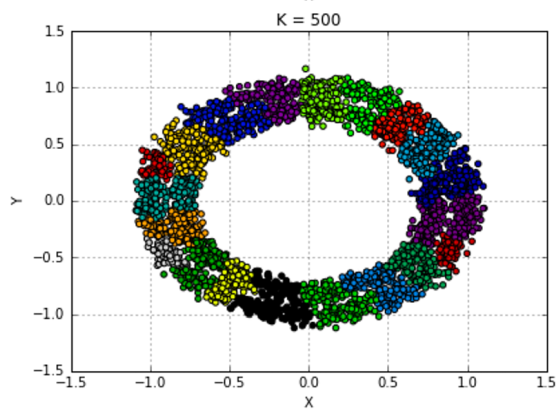
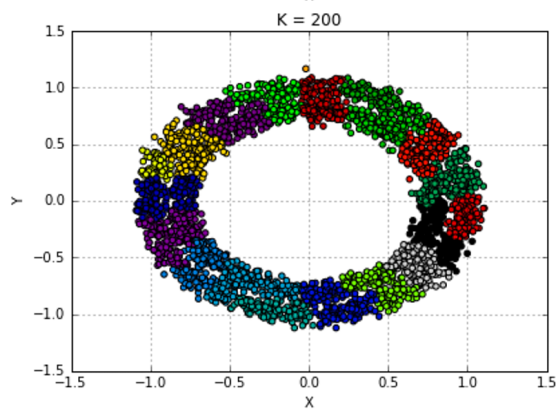
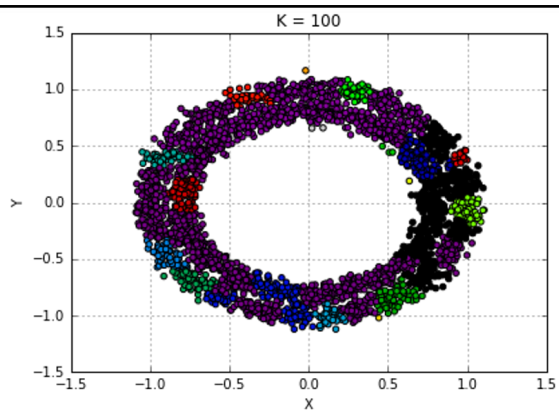
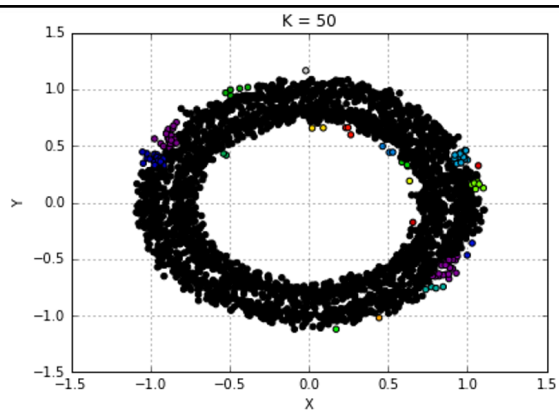












# **Chapter 11: Introduction to Recommendation Systems**

No color images.

# Chapter 12: Introduction to Natural Language Processing

The quick brown fox jumps over the lazy dog



«The» | «quick» | «brown» | «fox» | «jumps» | «over» | «the» | «lazy» | «dog»



«quick» | «brown» | «fox» | «jumps» | «over» | «lazy» | «dog»

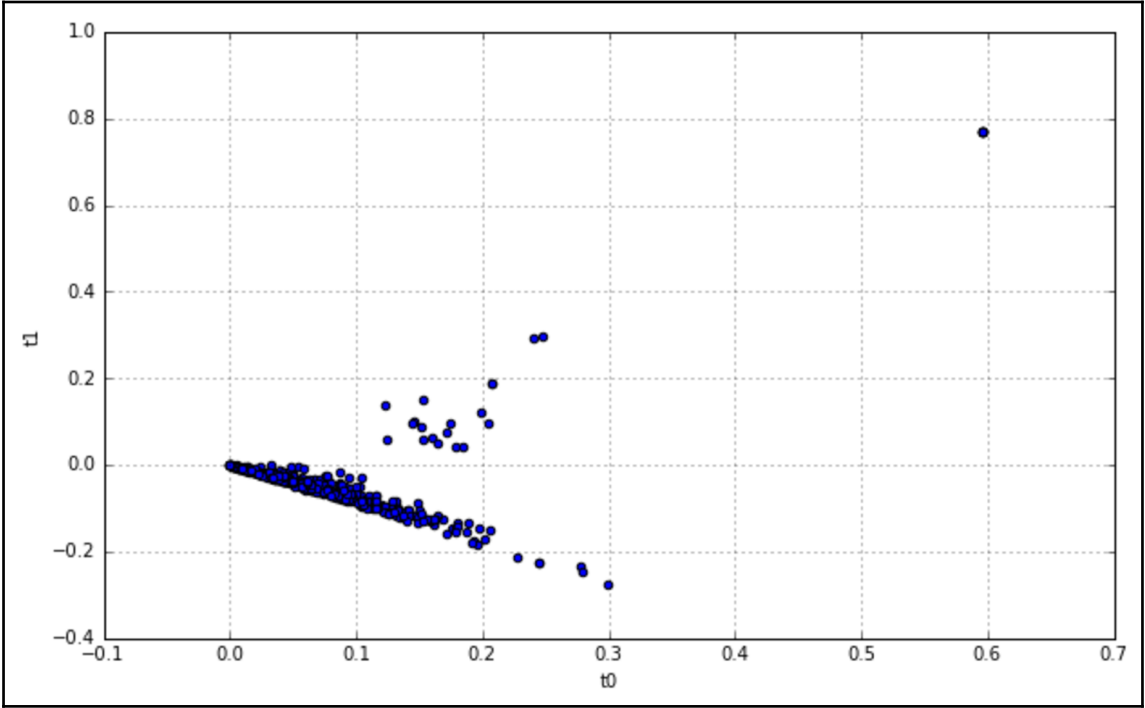


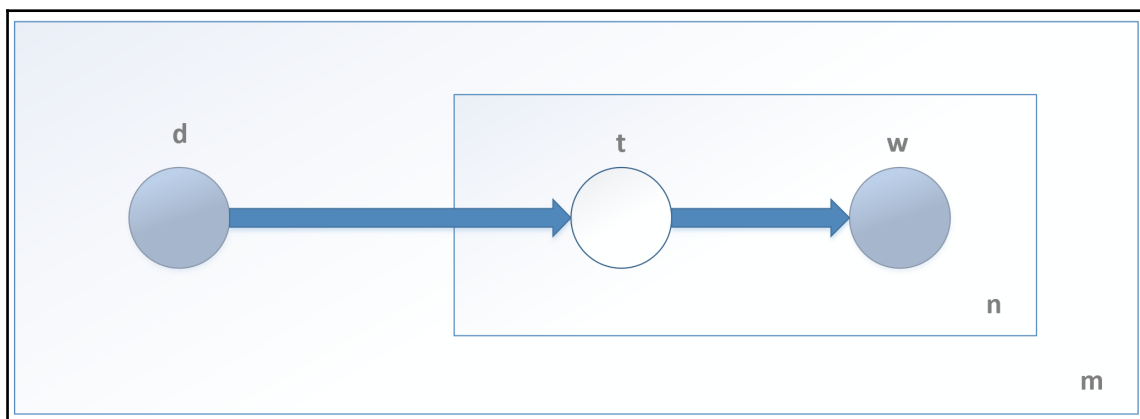
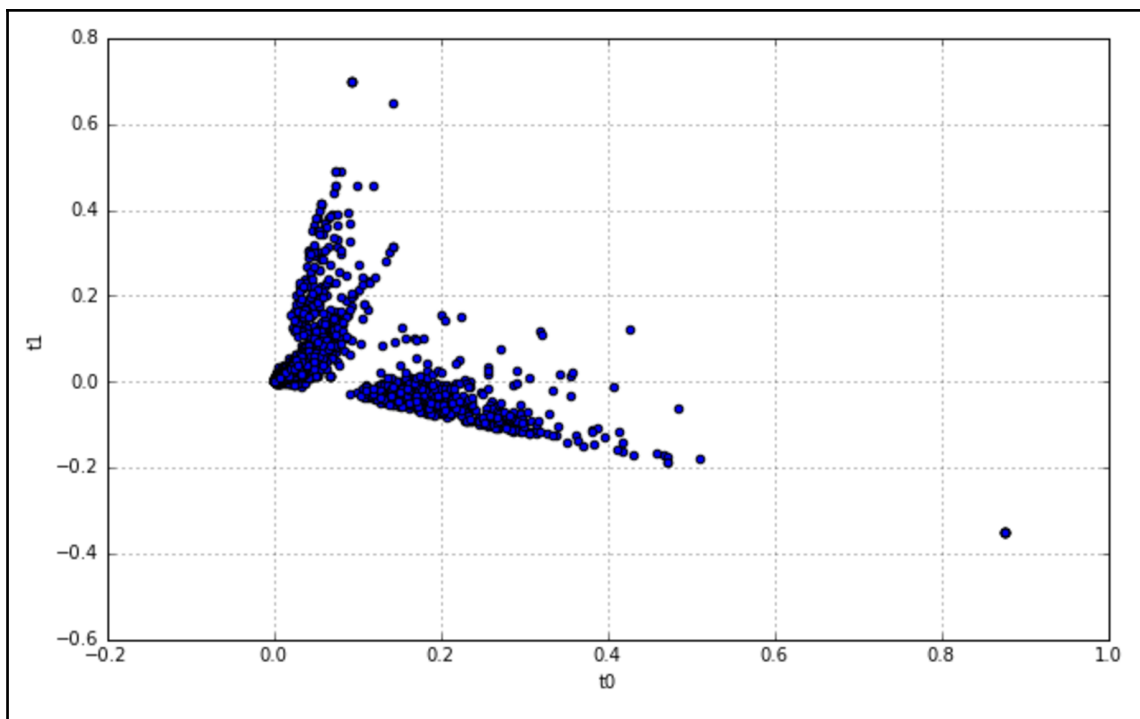
«quick» | «brown» | «fox» | «jump» | «over» | «lazy» | «dog»

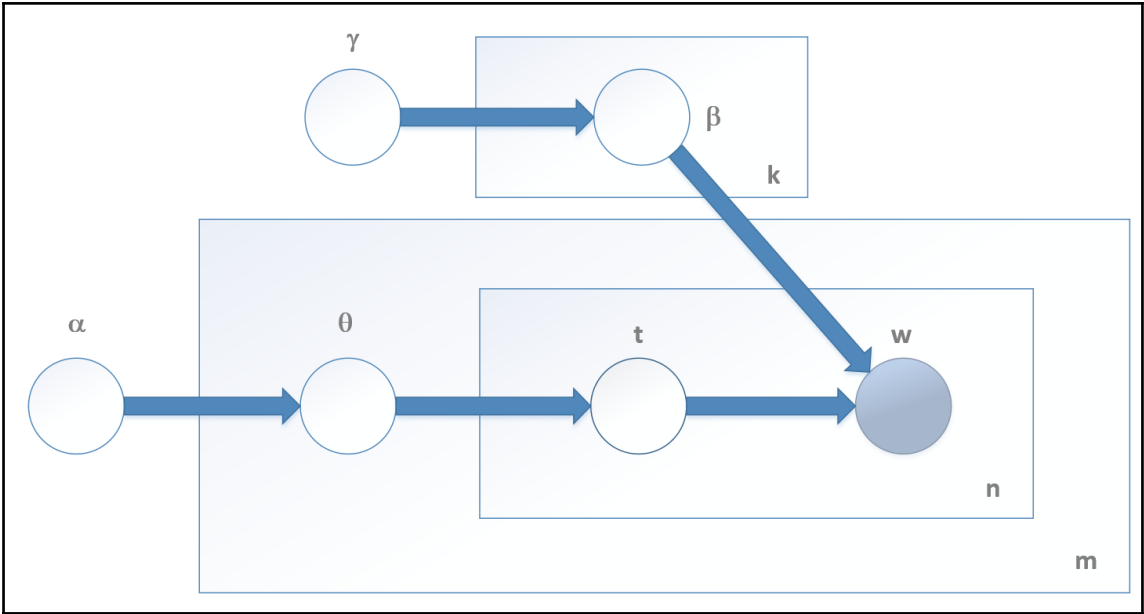


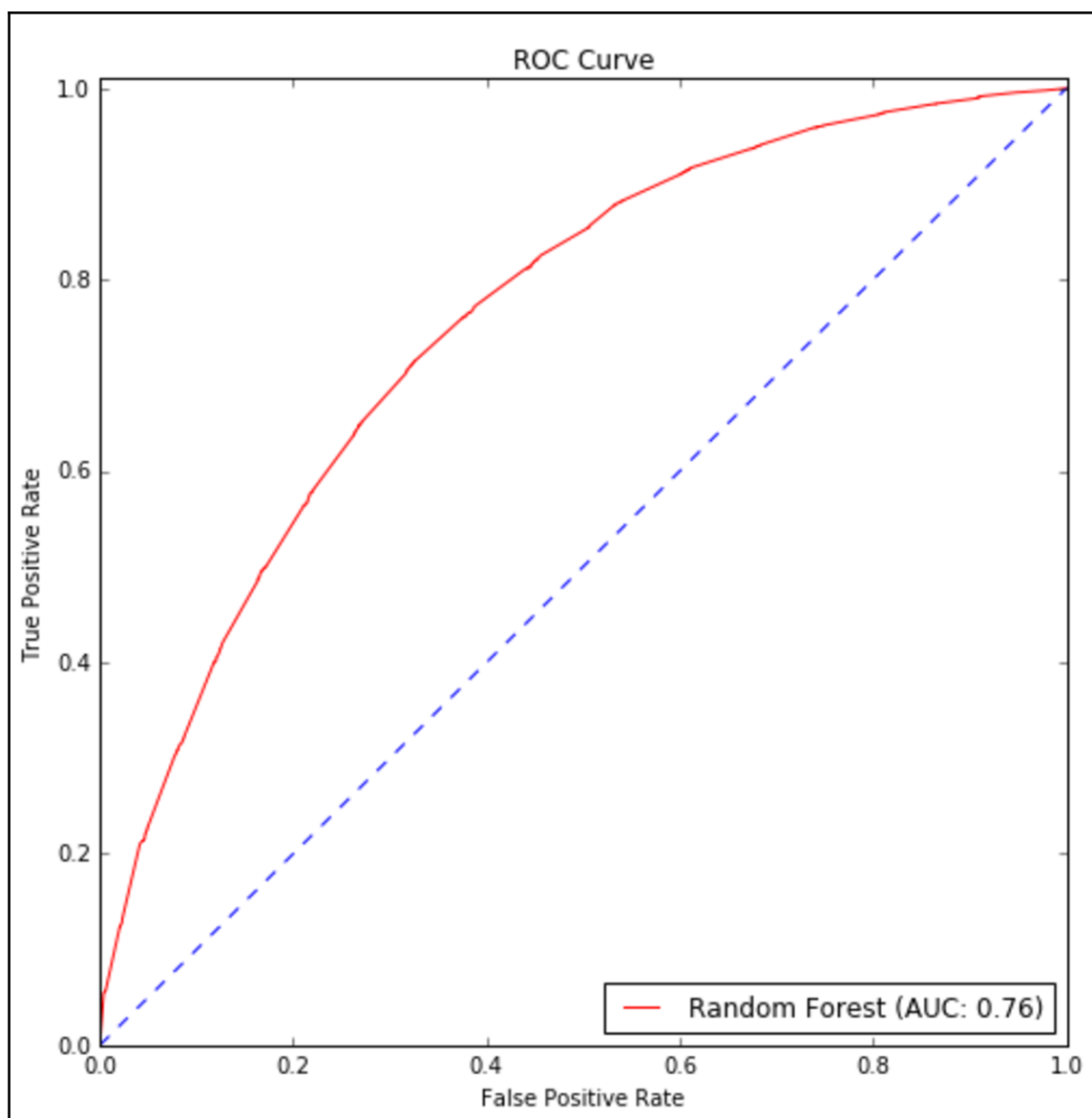
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# Chapter 13: Topic Modeling and Sentiment Analysis in NLP

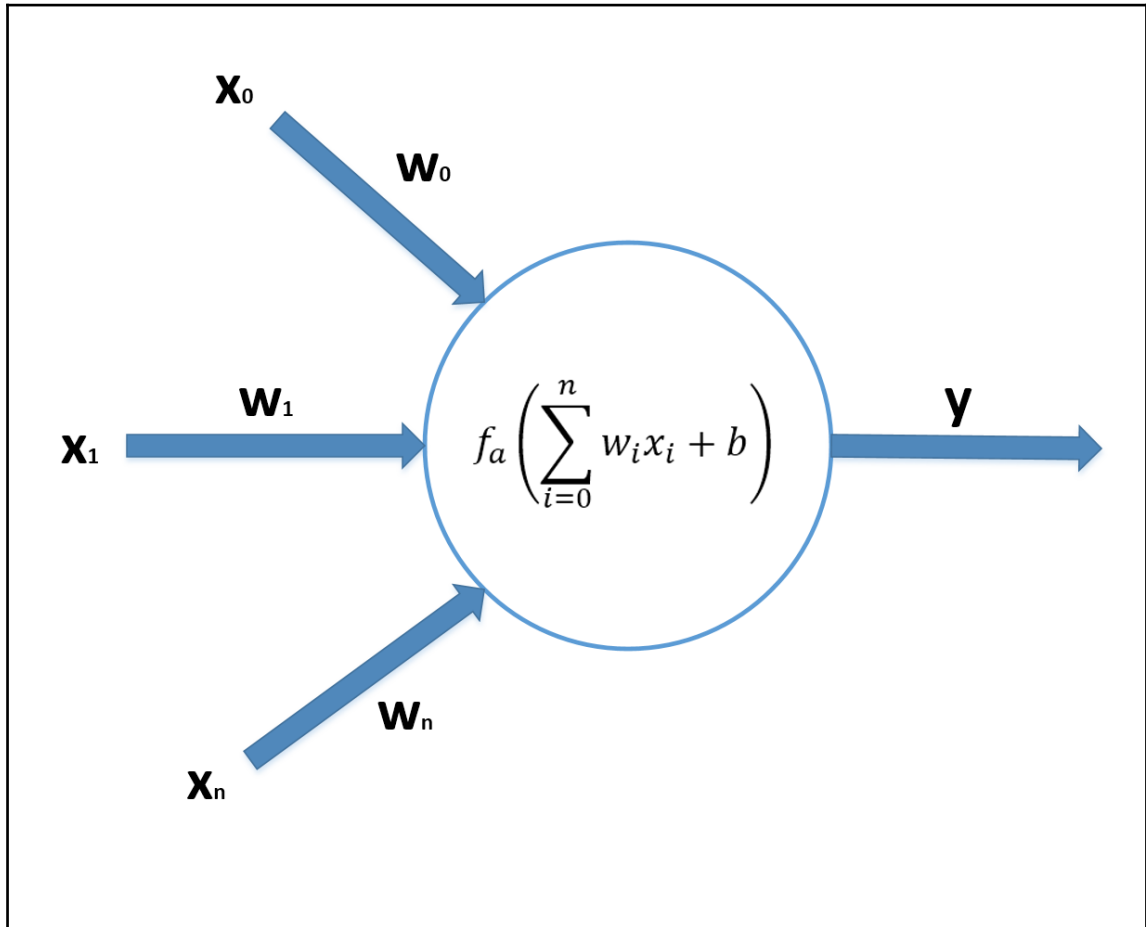




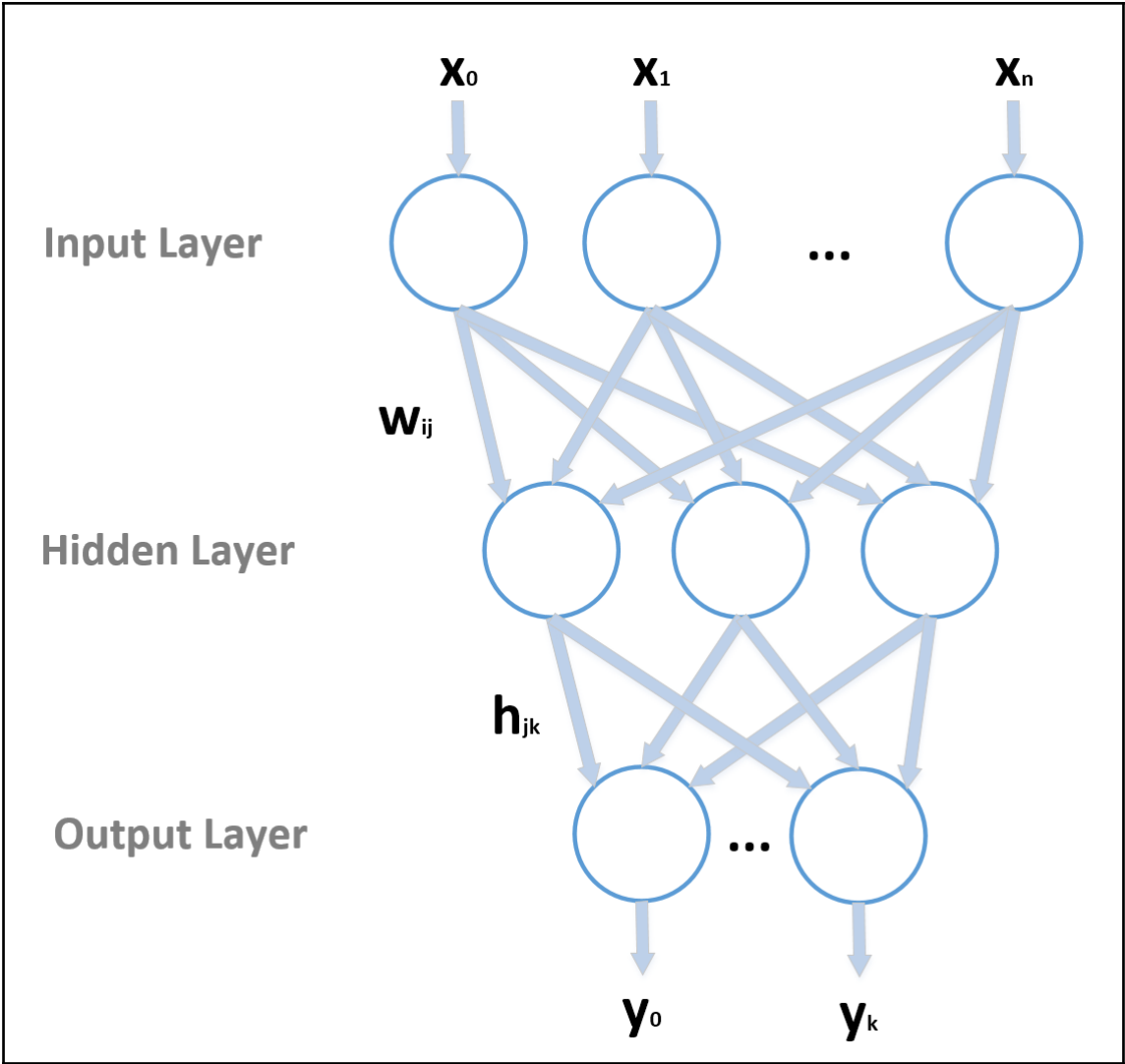




## Chapter 14: Topic Modeling and Sentiment Analysis in NLP







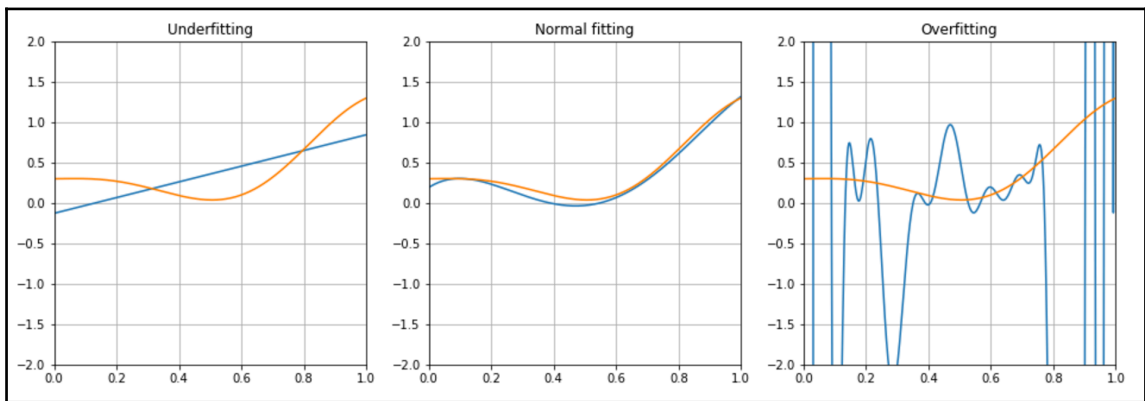
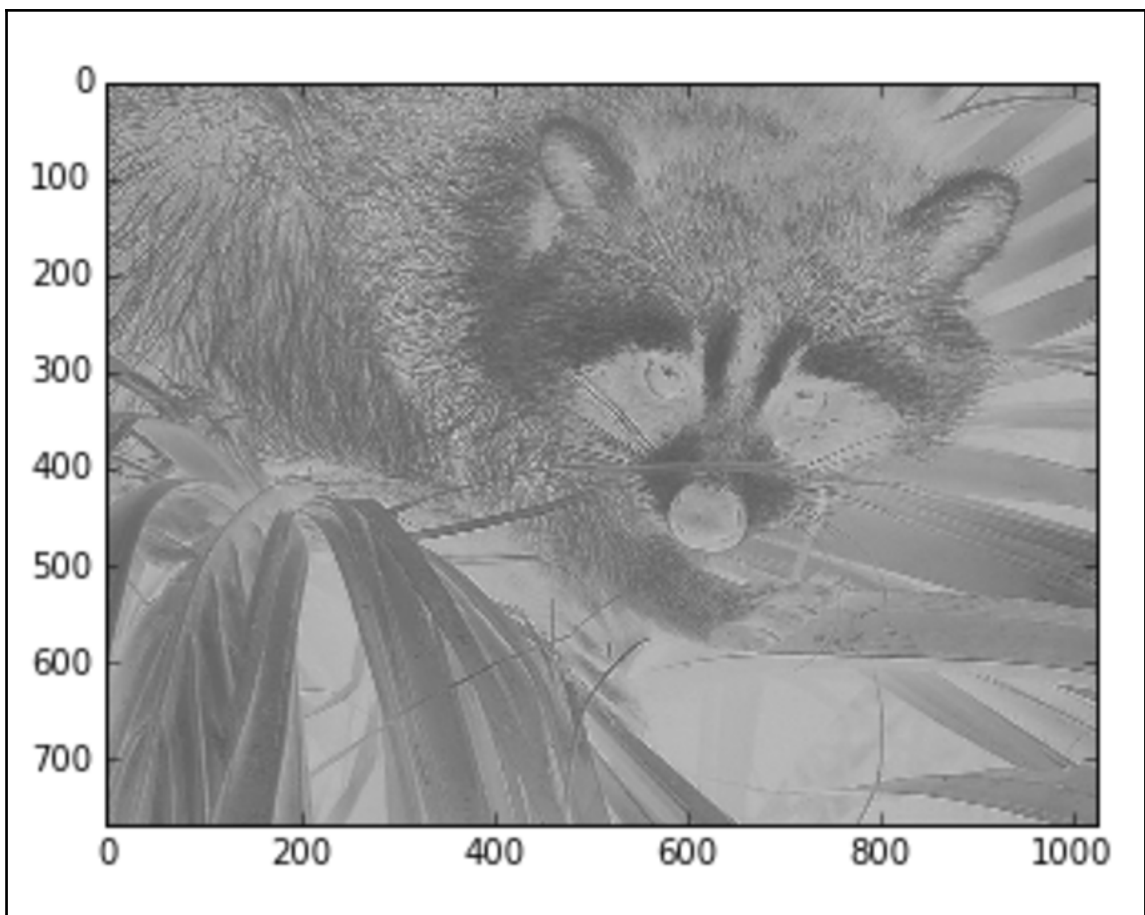


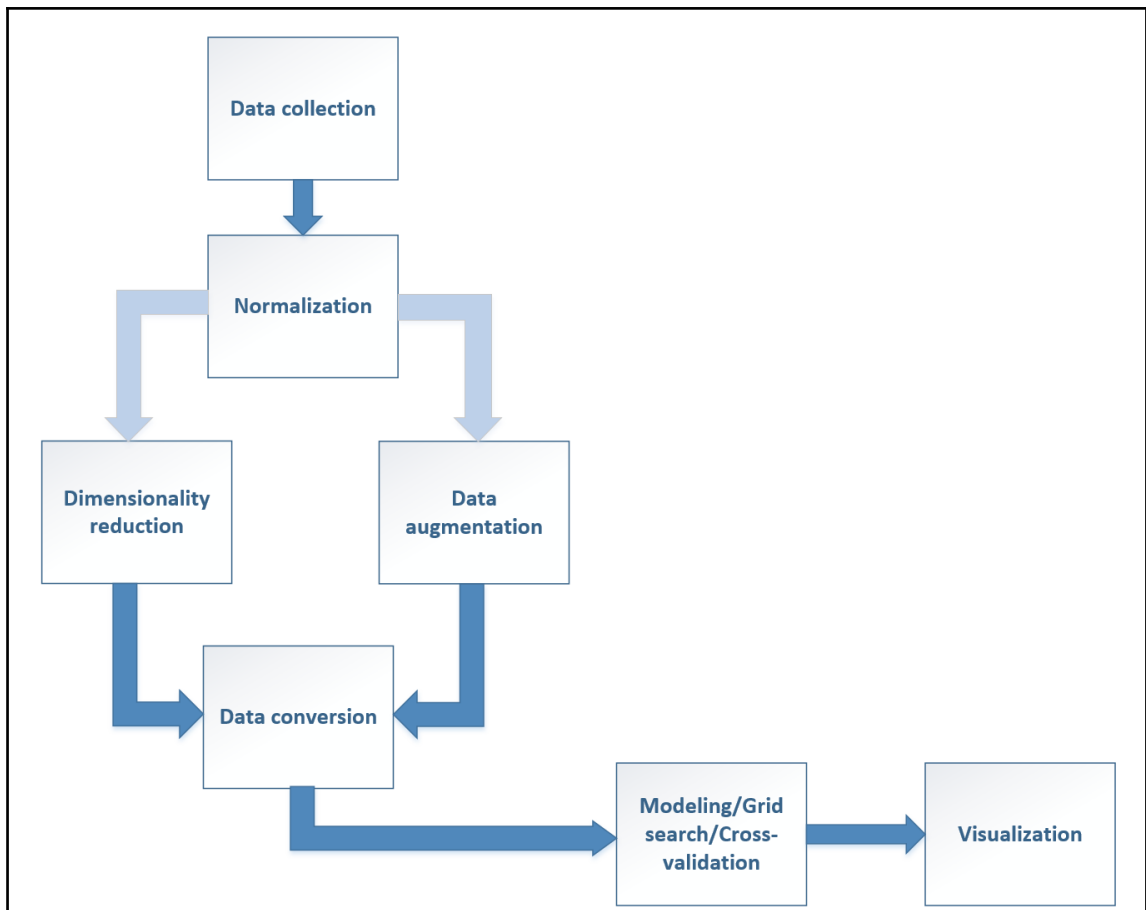
$$X = \begin{pmatrix} 1 & 3 & 2 \\ 2 & 0 & 1 \\ 3 & 1 & 4 \end{pmatrix}$$

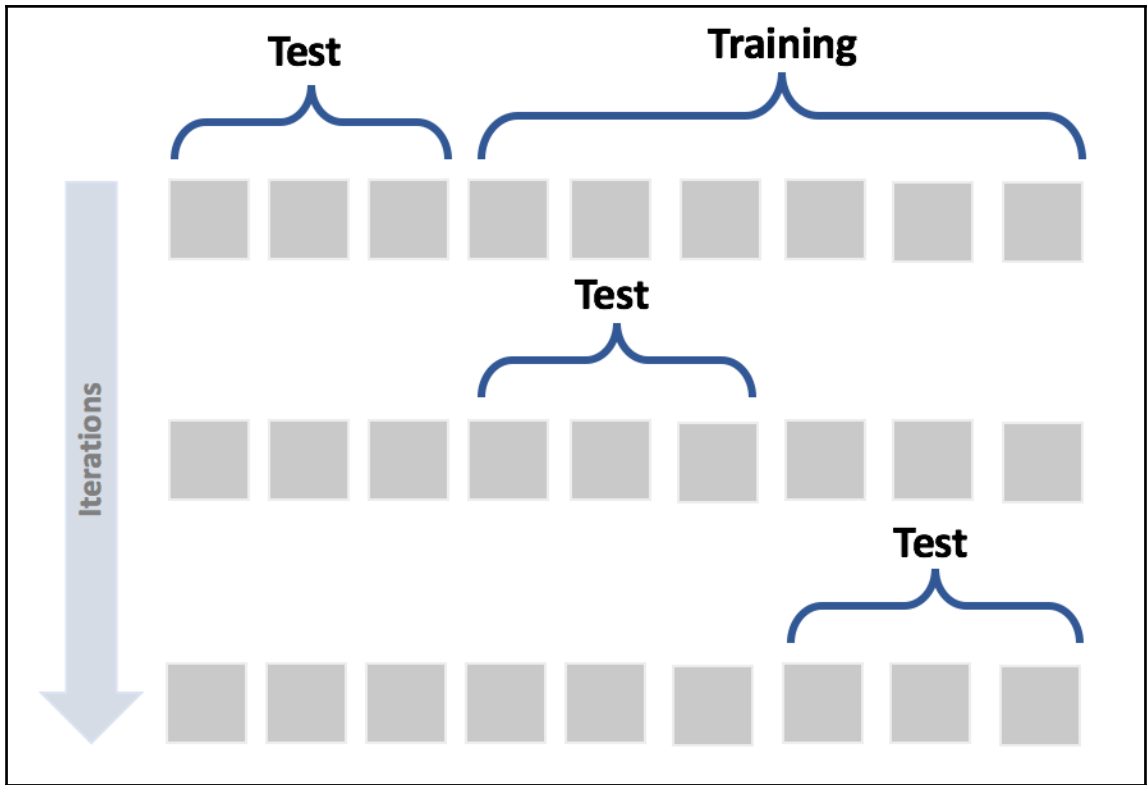
$$K = \begin{pmatrix} 0 & 1 & 0 \\ 1 & -4 & 1 \\ 0 & 1 & 0 \end{pmatrix}$$

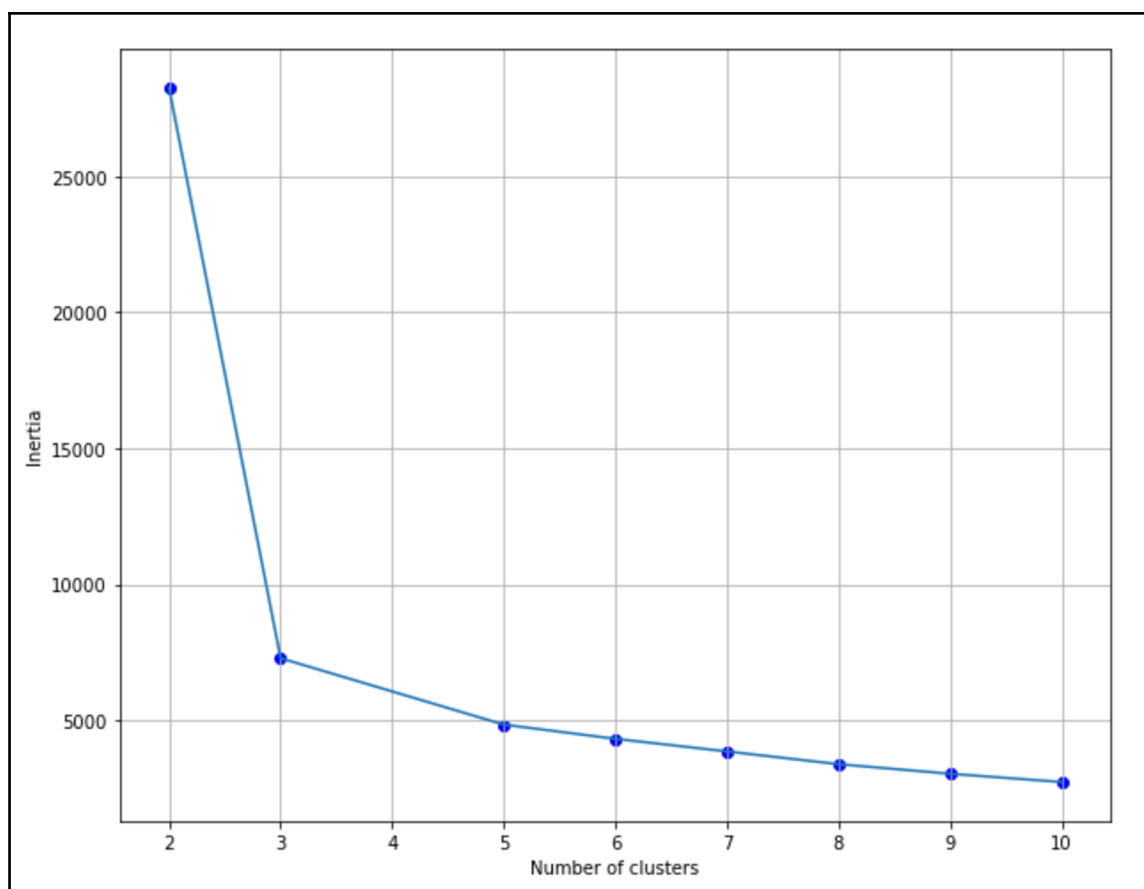
$$X * K = (7)$$

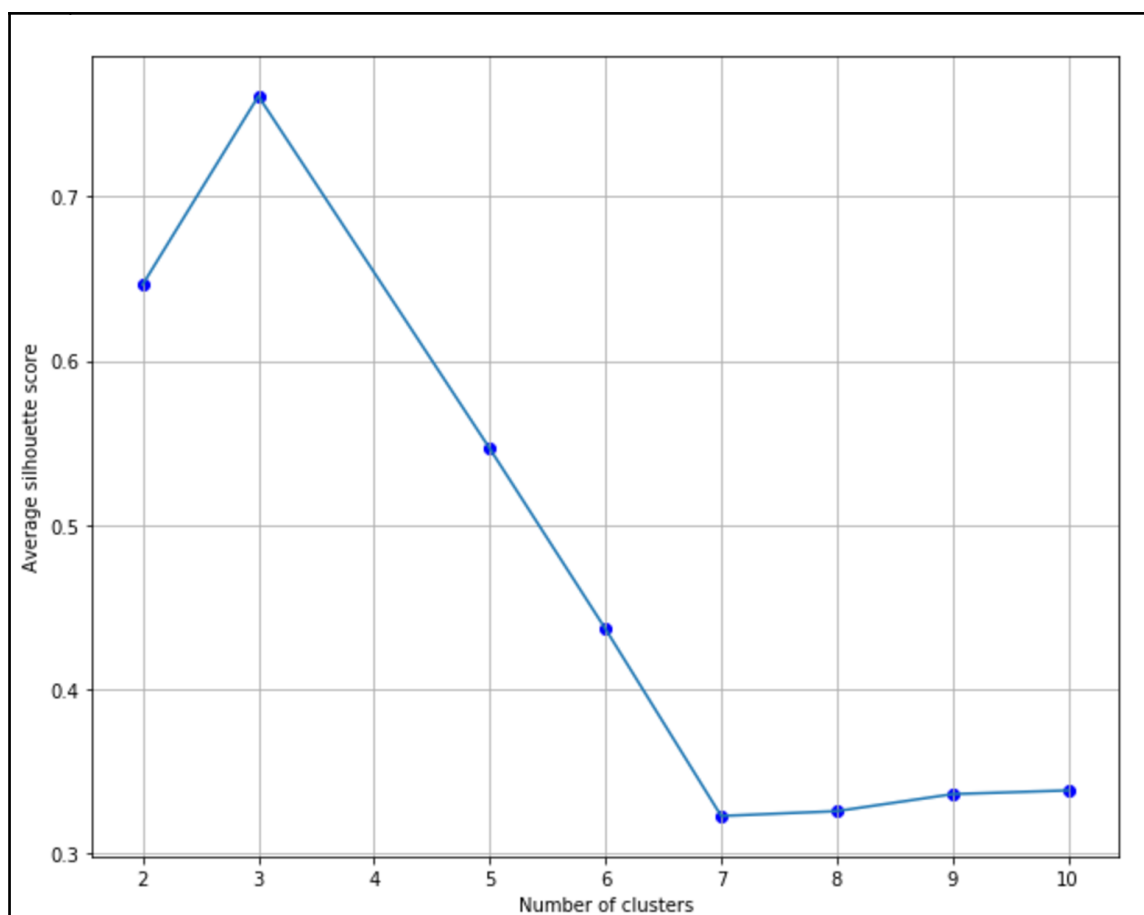


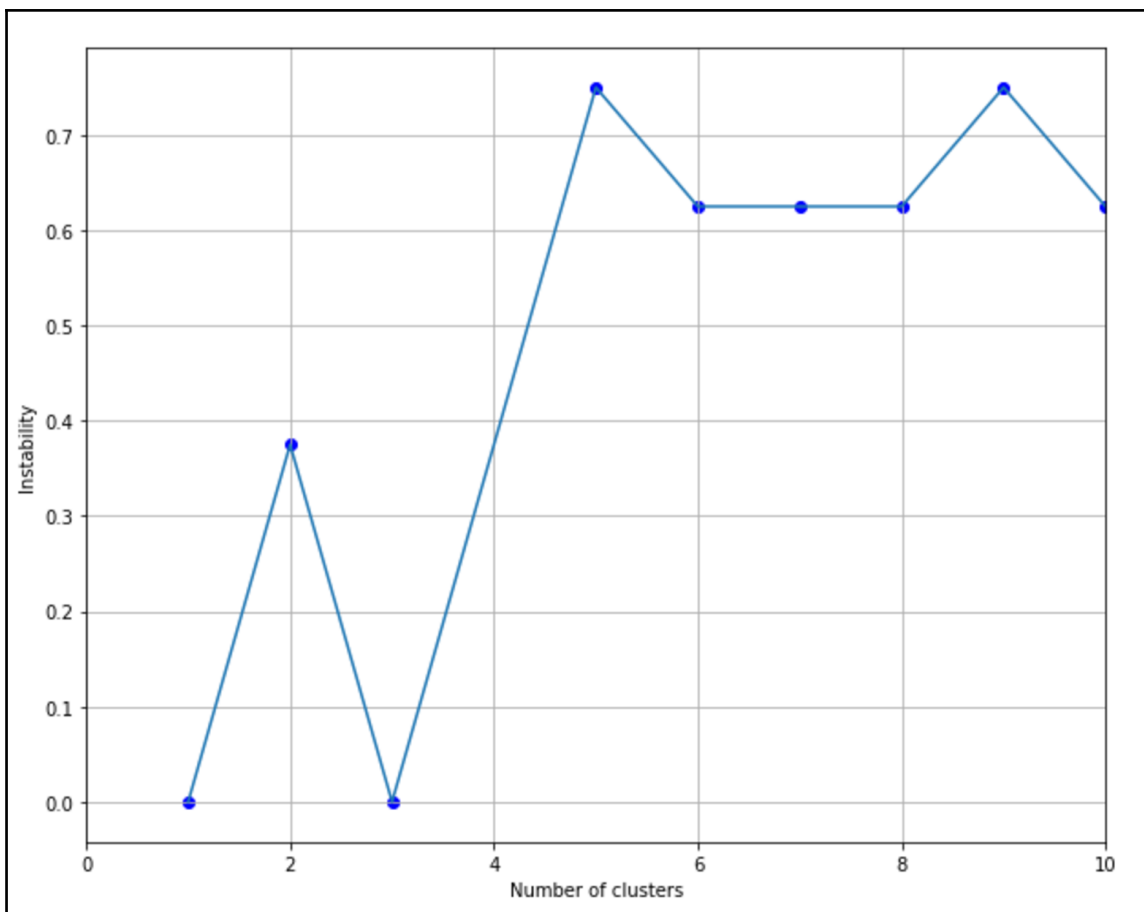




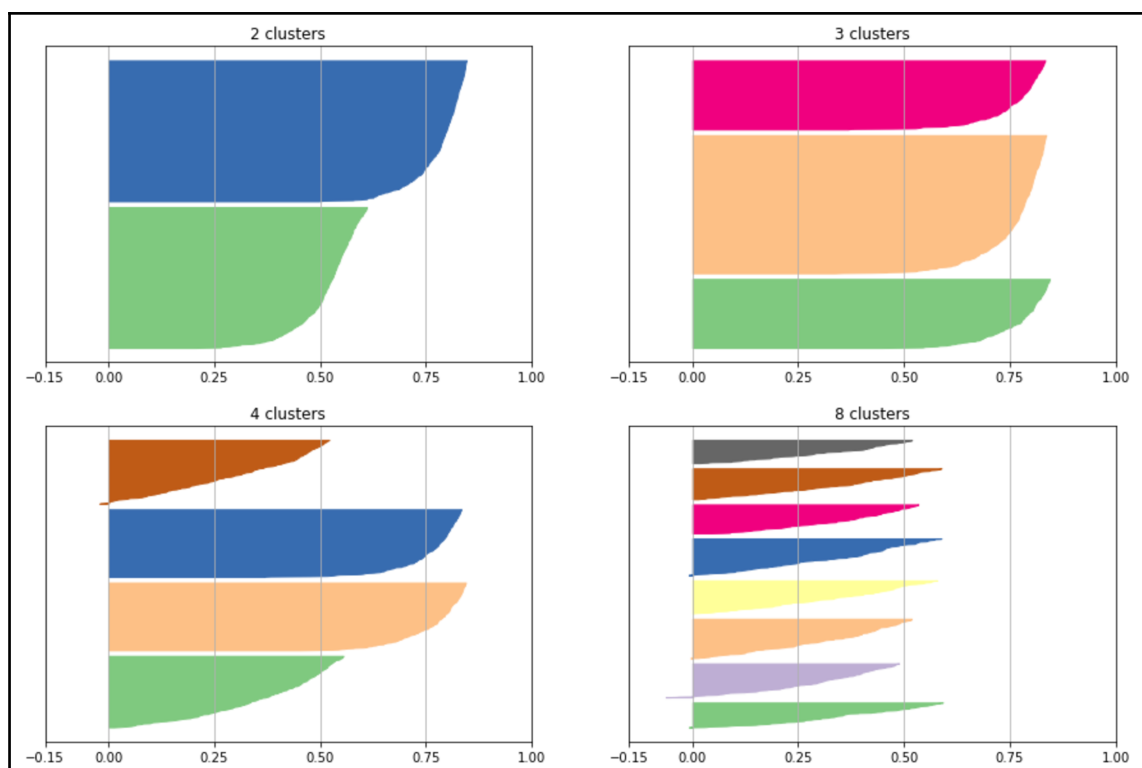


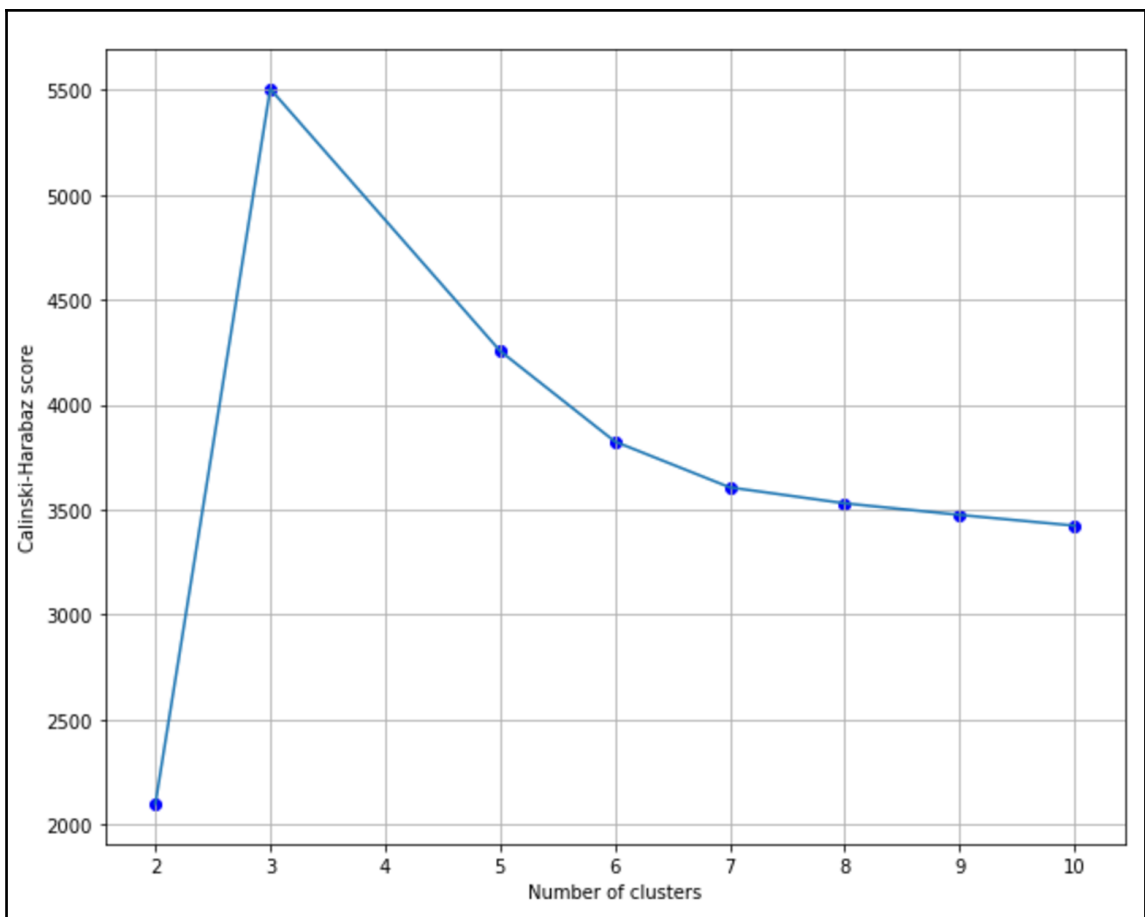


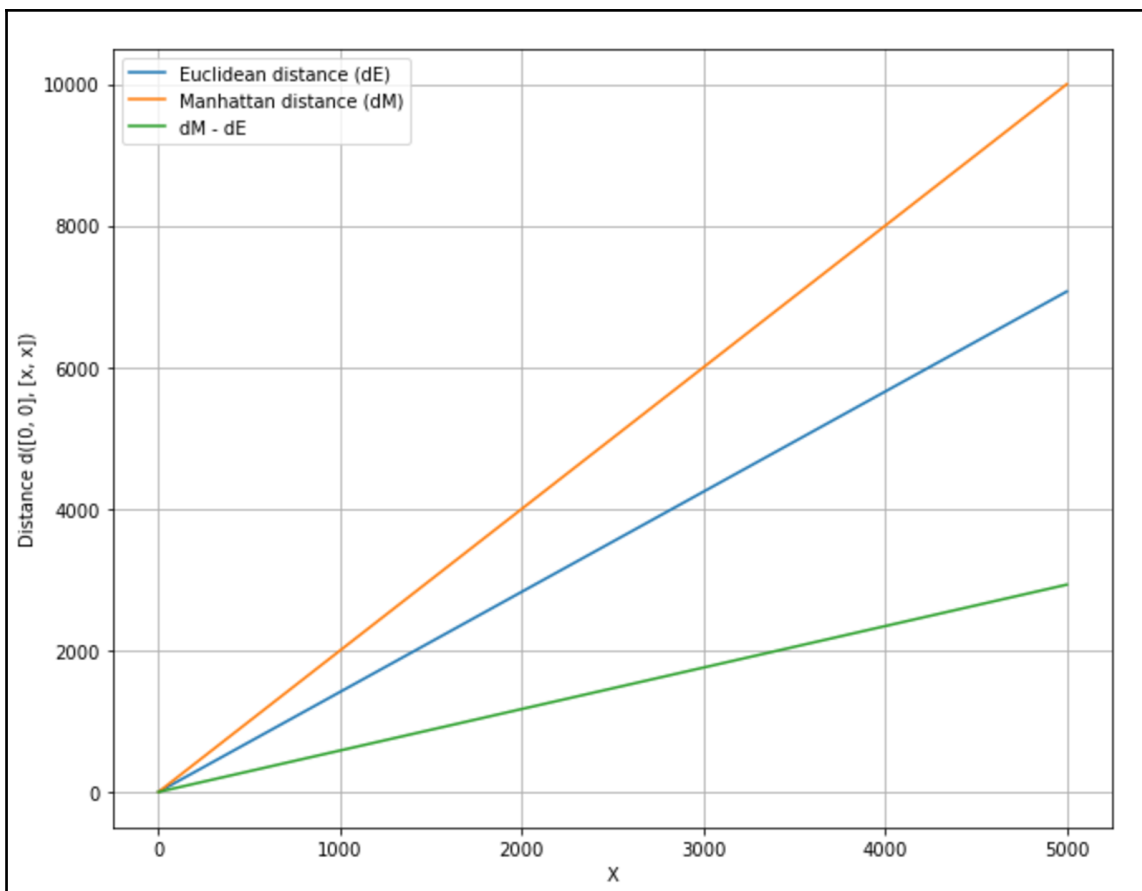


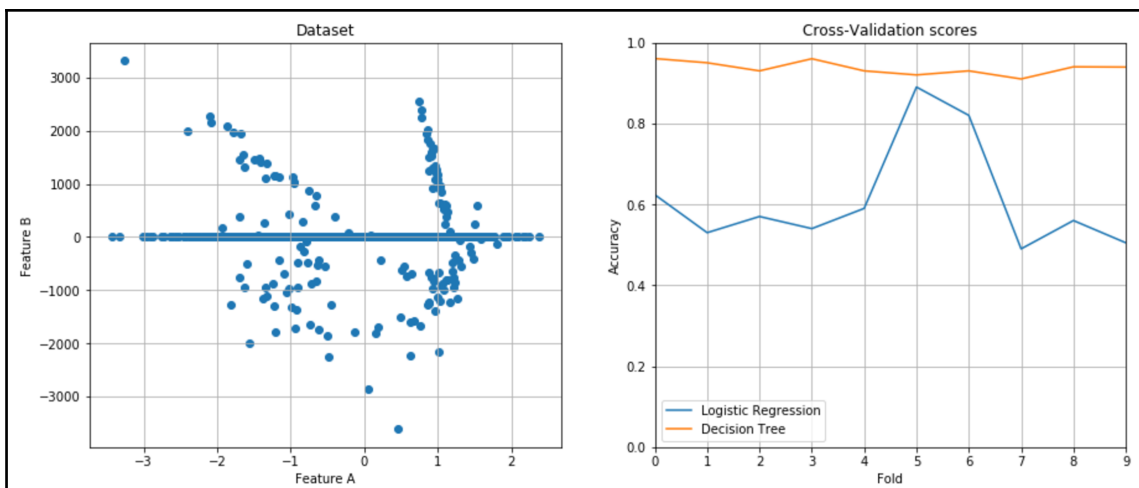
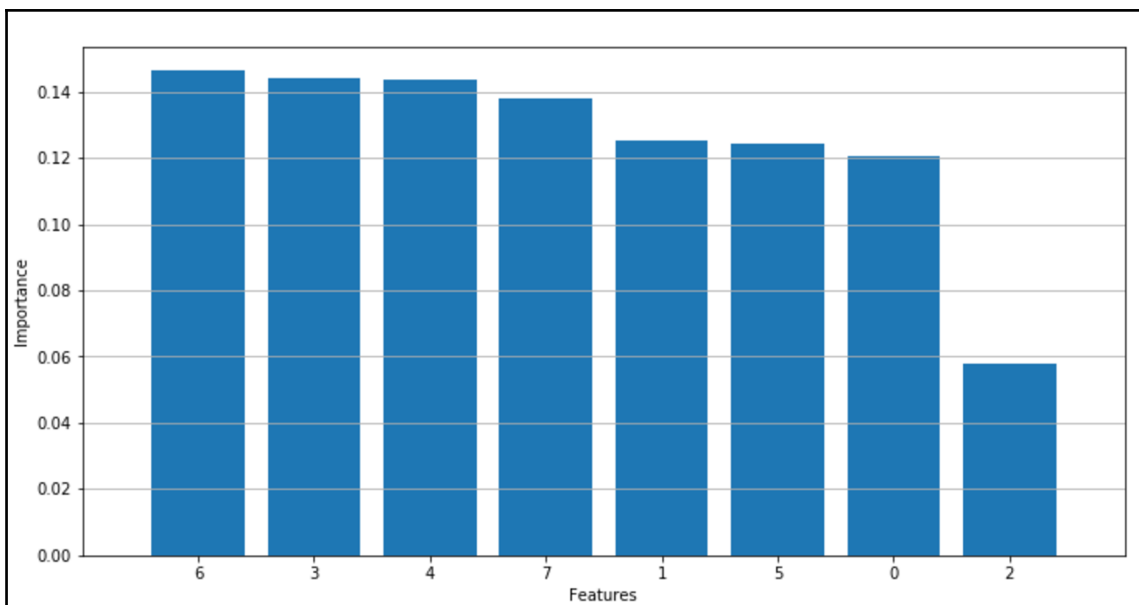


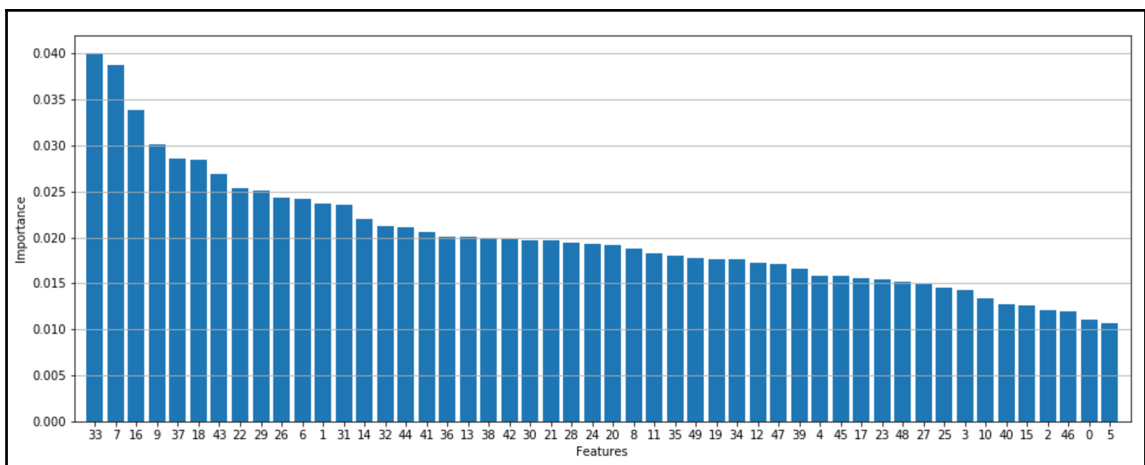












# Chapter 15: Creating a Machine Learning Architecture

No color images.