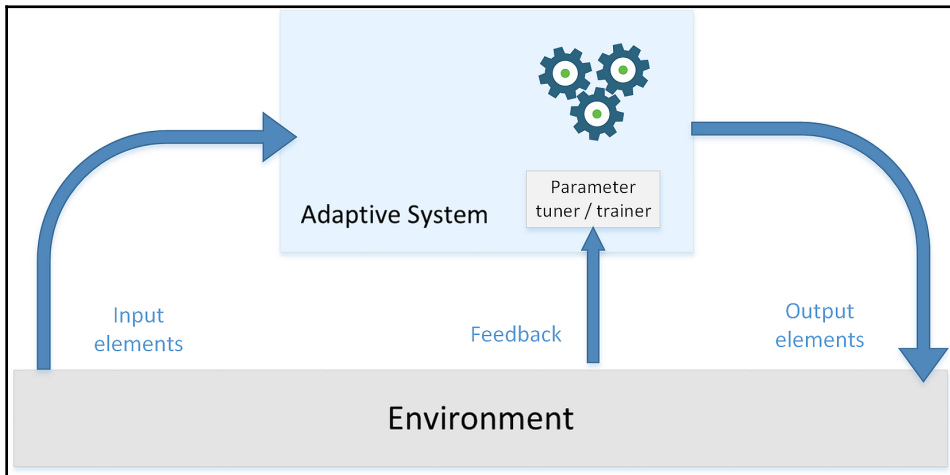
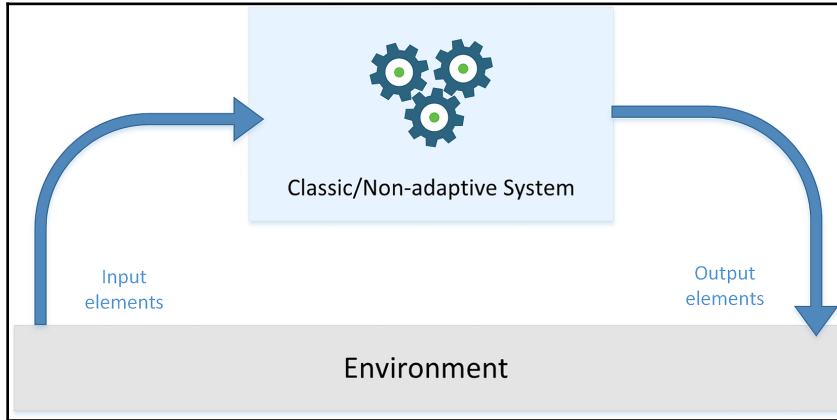
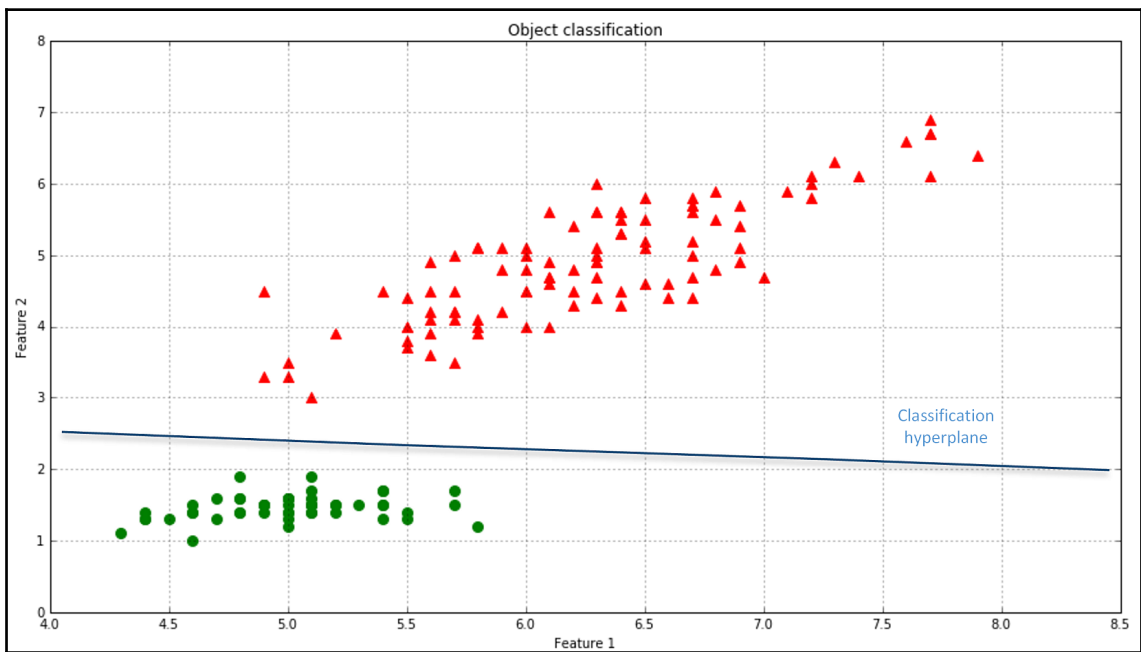
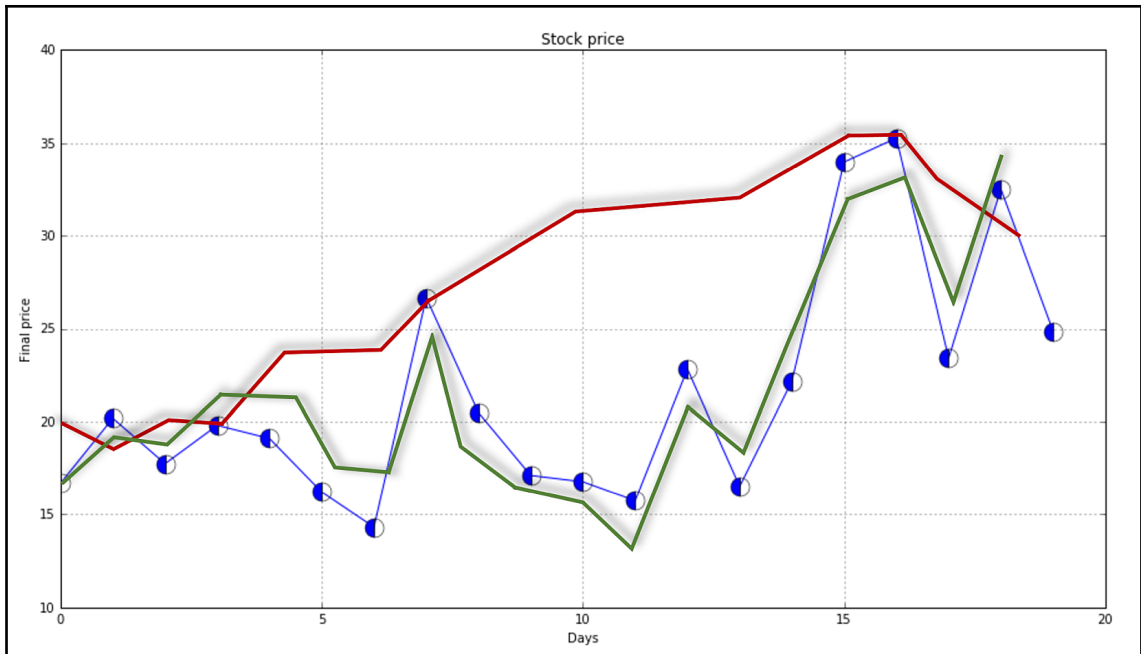
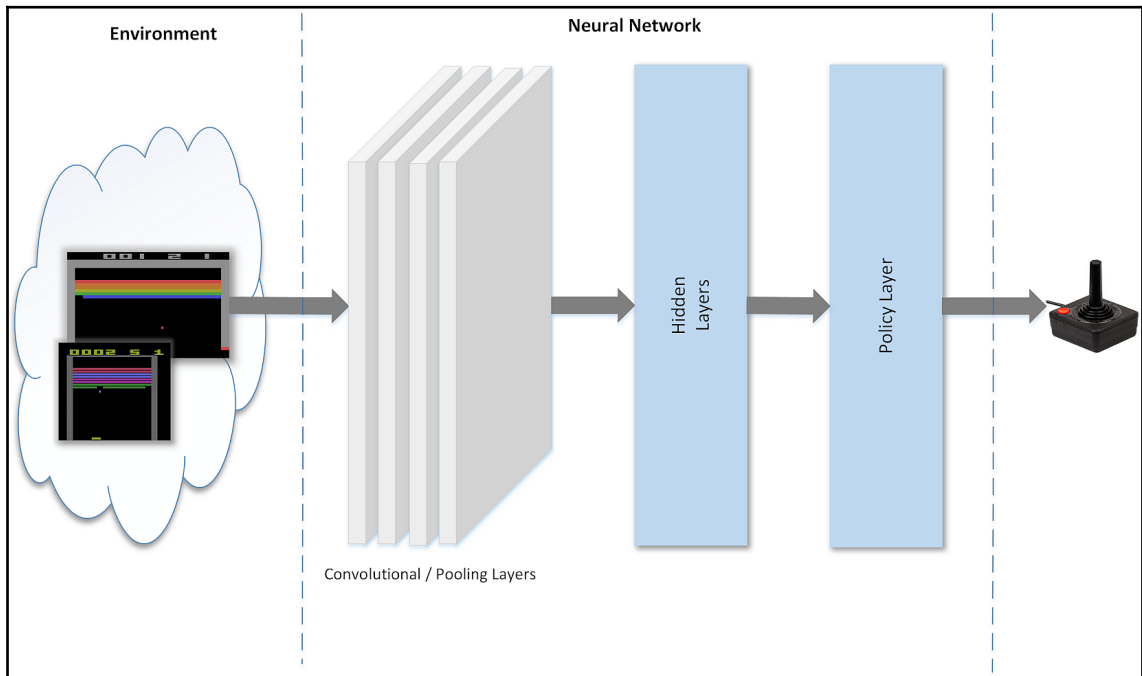
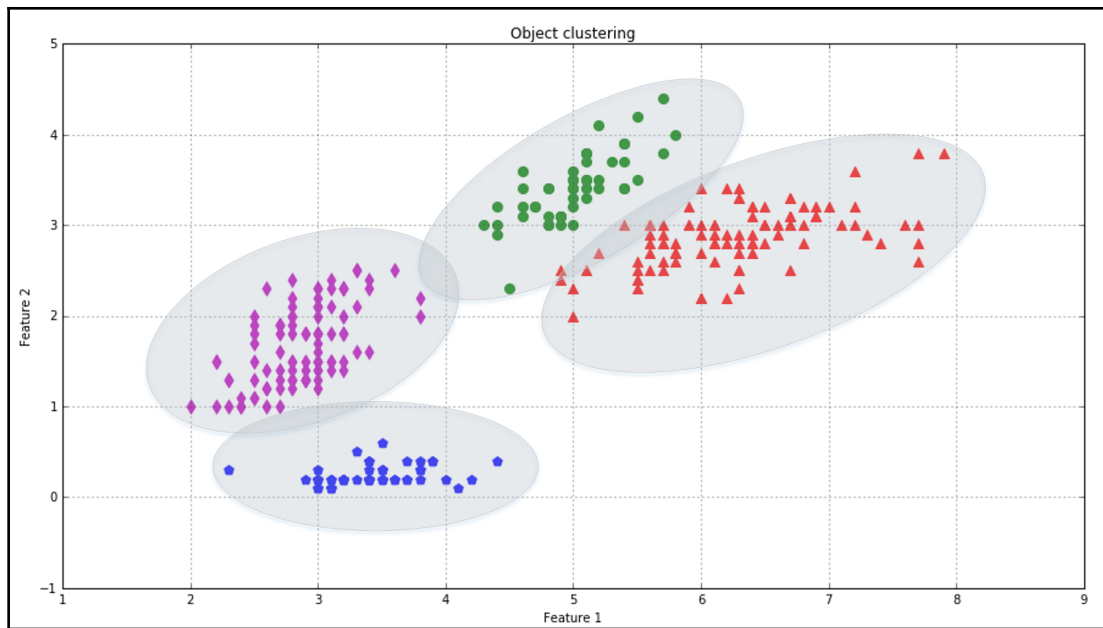


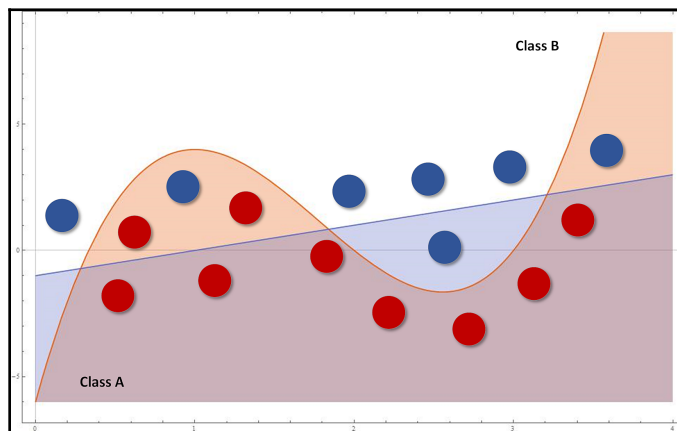
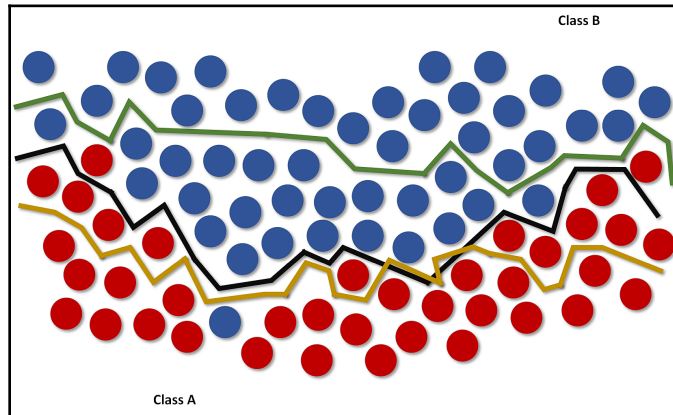
Chapter 01: A Gentle Introduction to Machine Learning

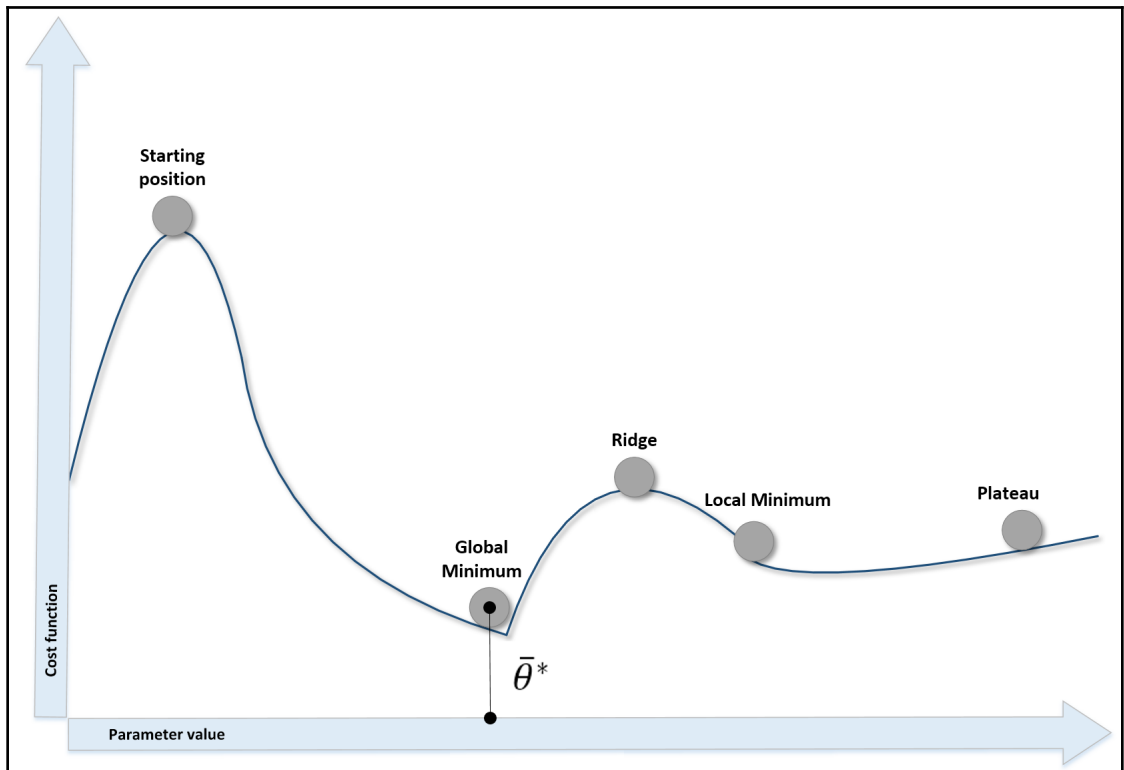
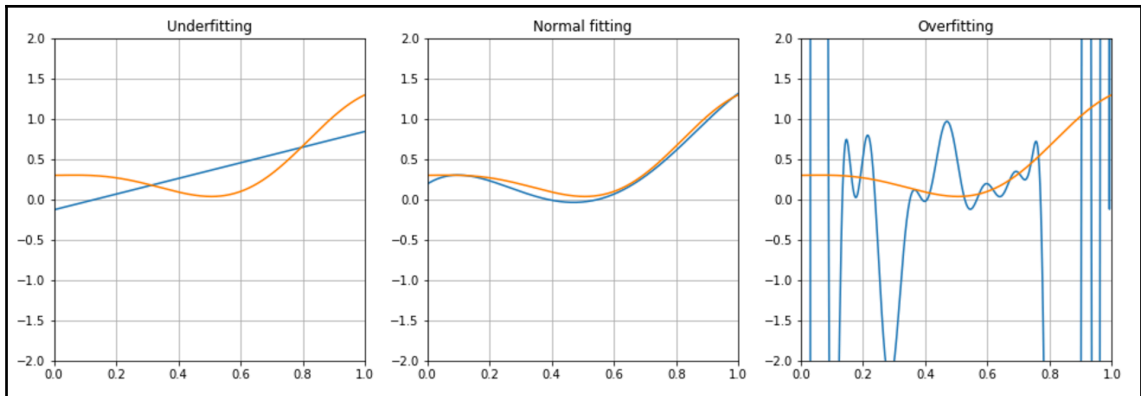


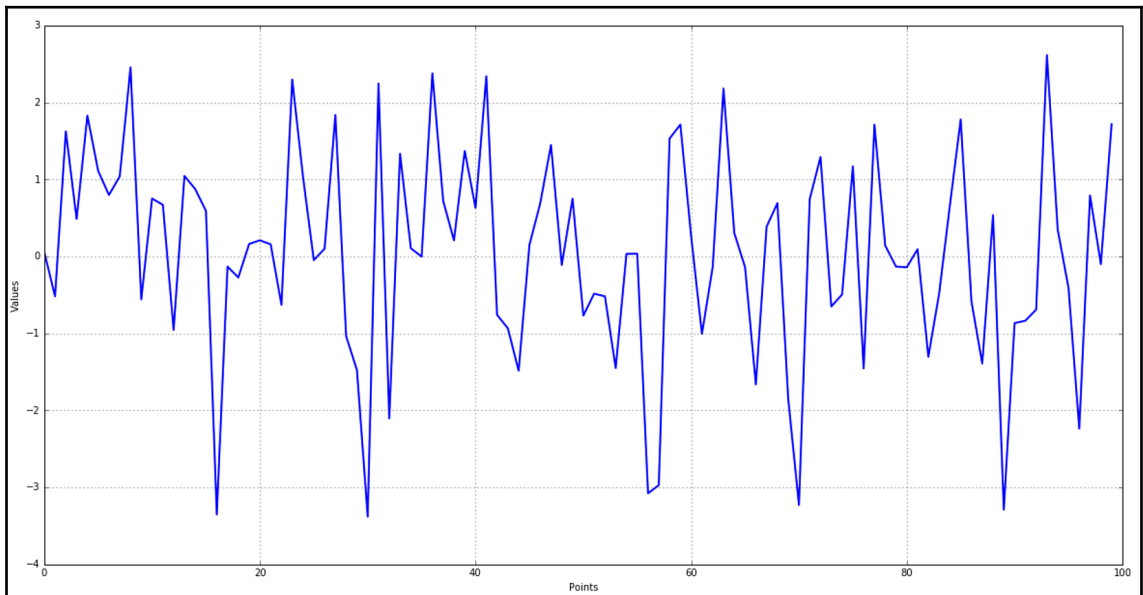
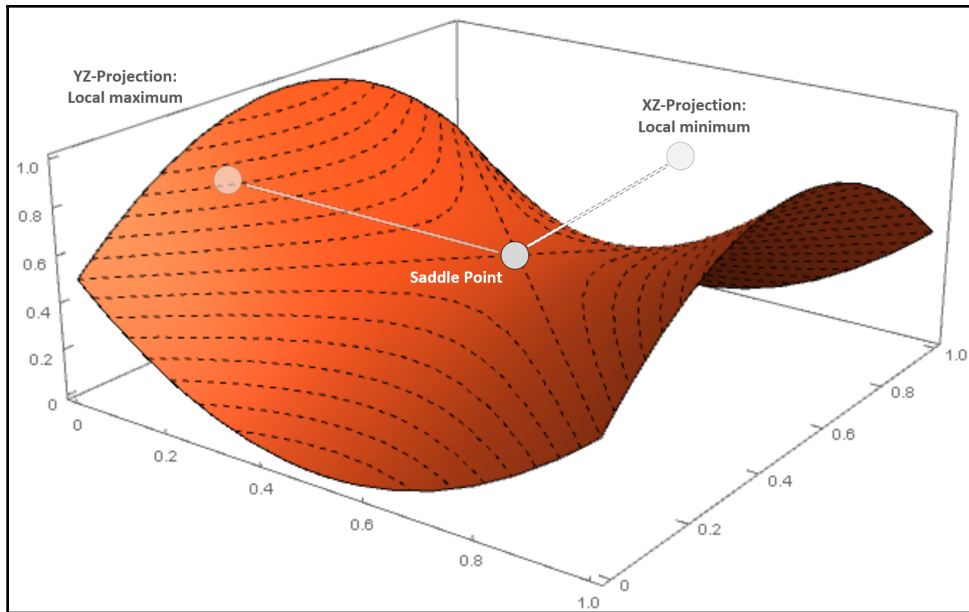


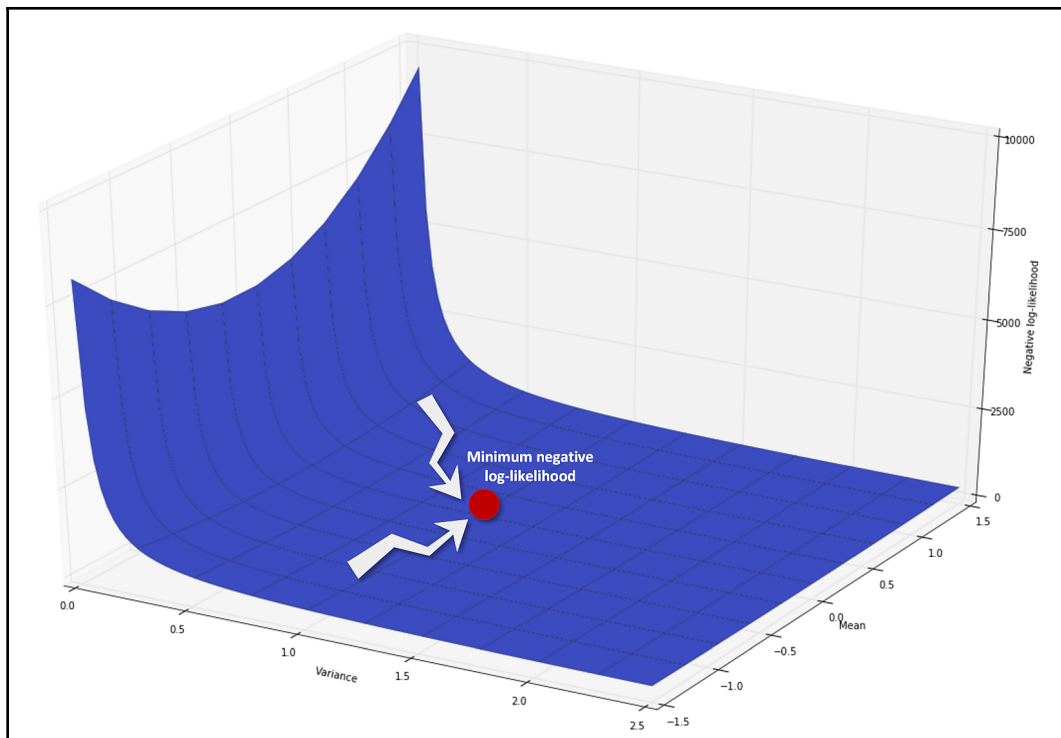


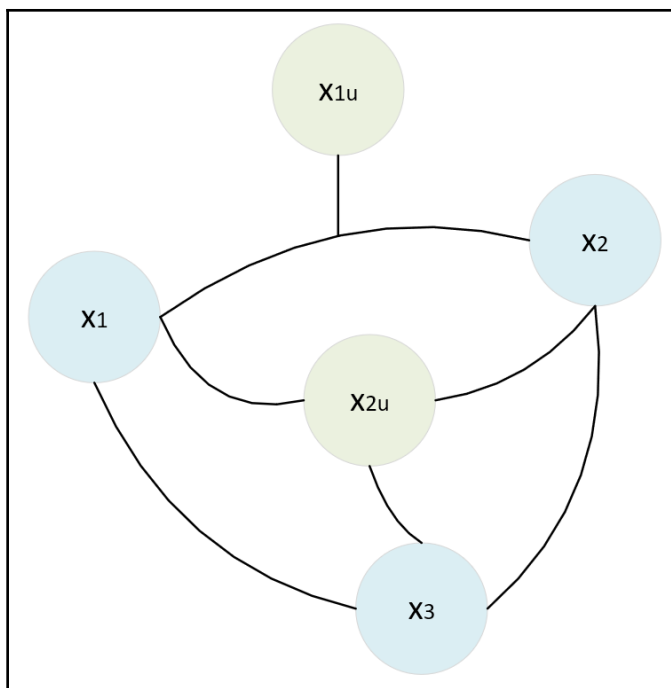
Chapter 02: Important Elements in Machine Learning

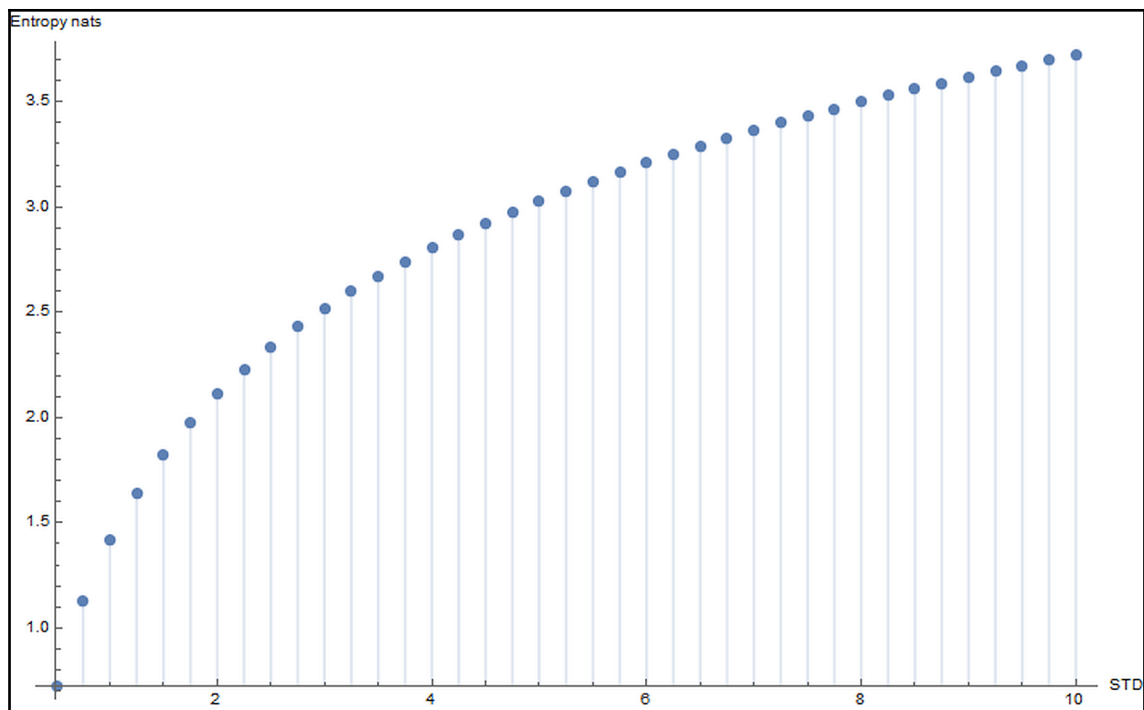




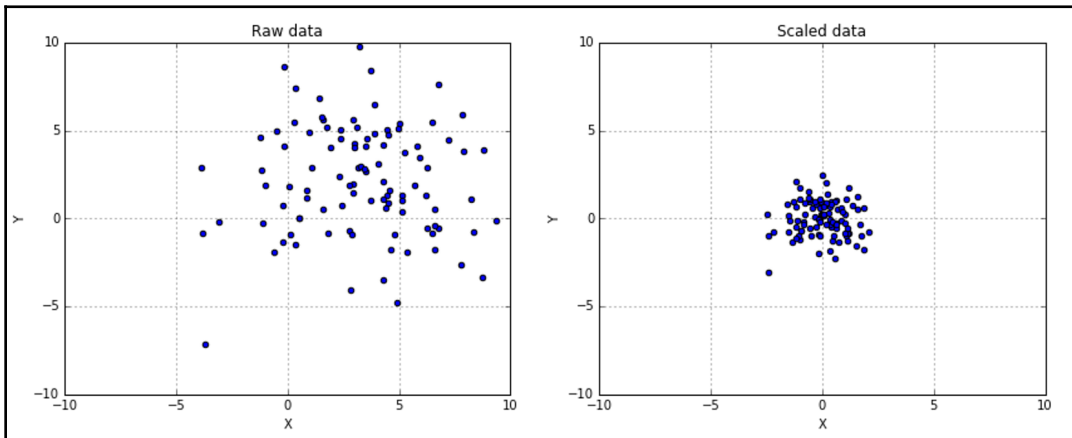
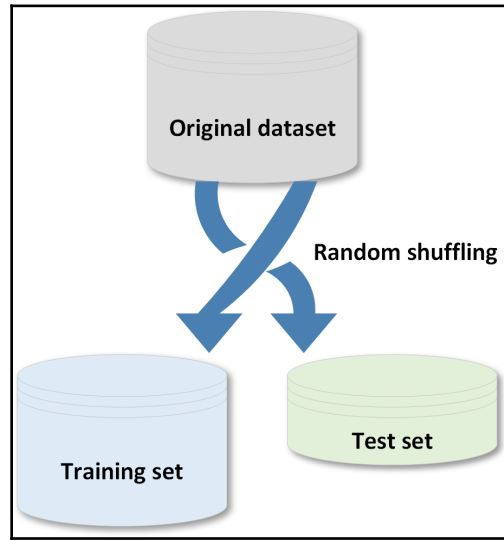


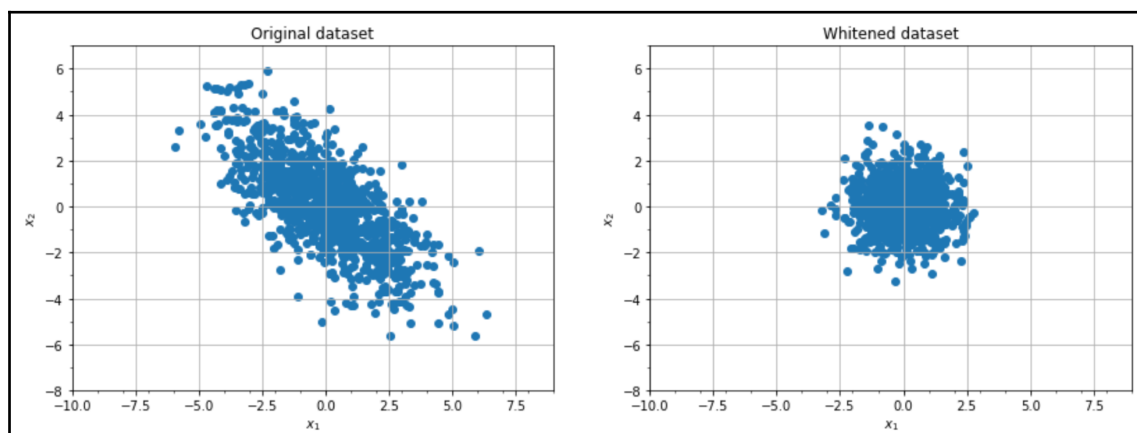
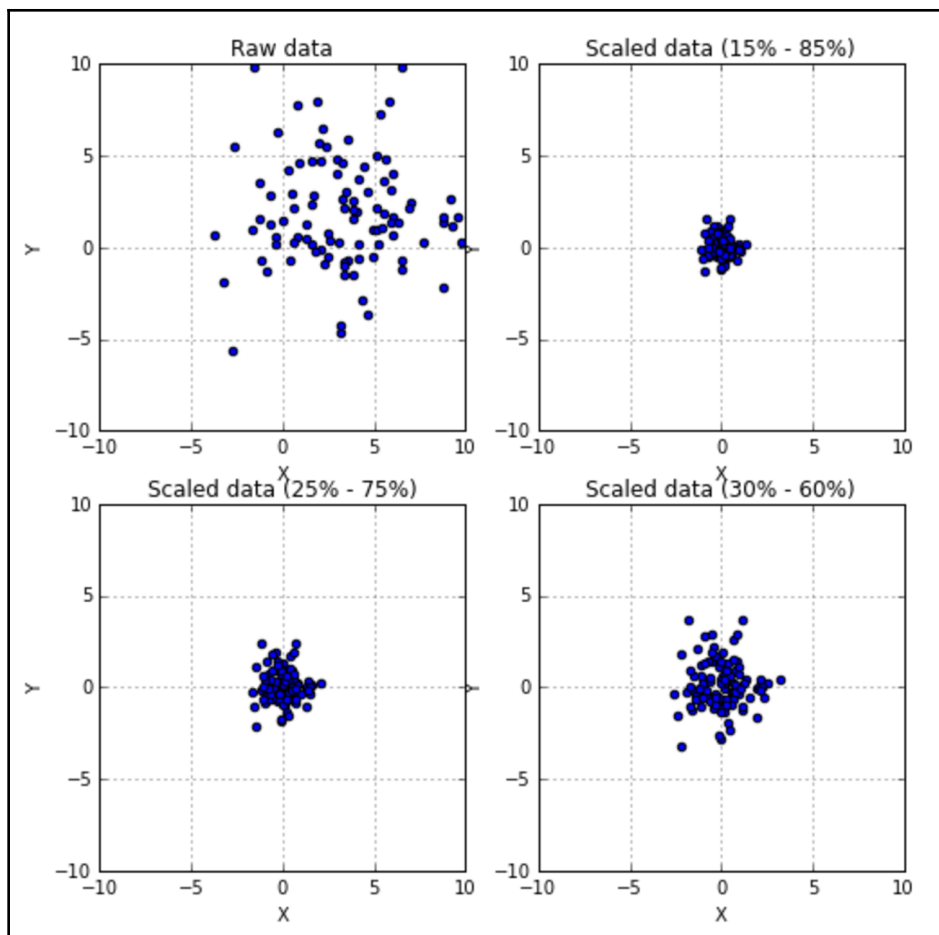


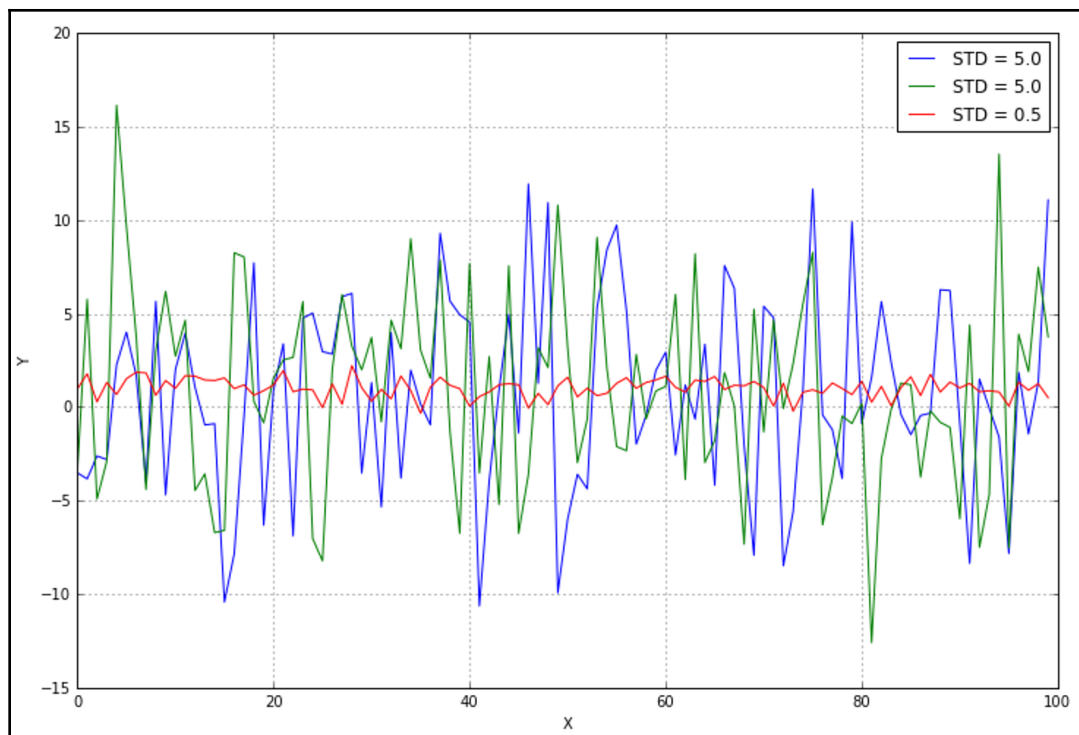


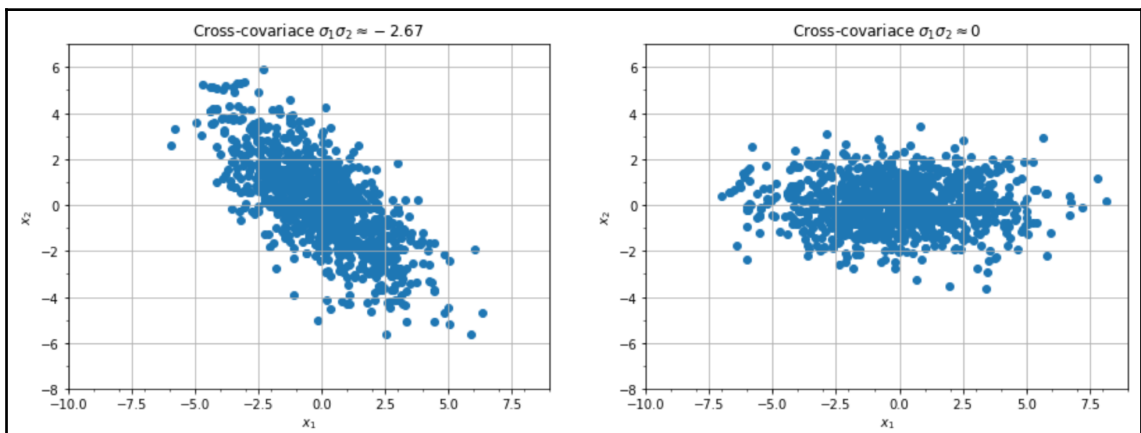
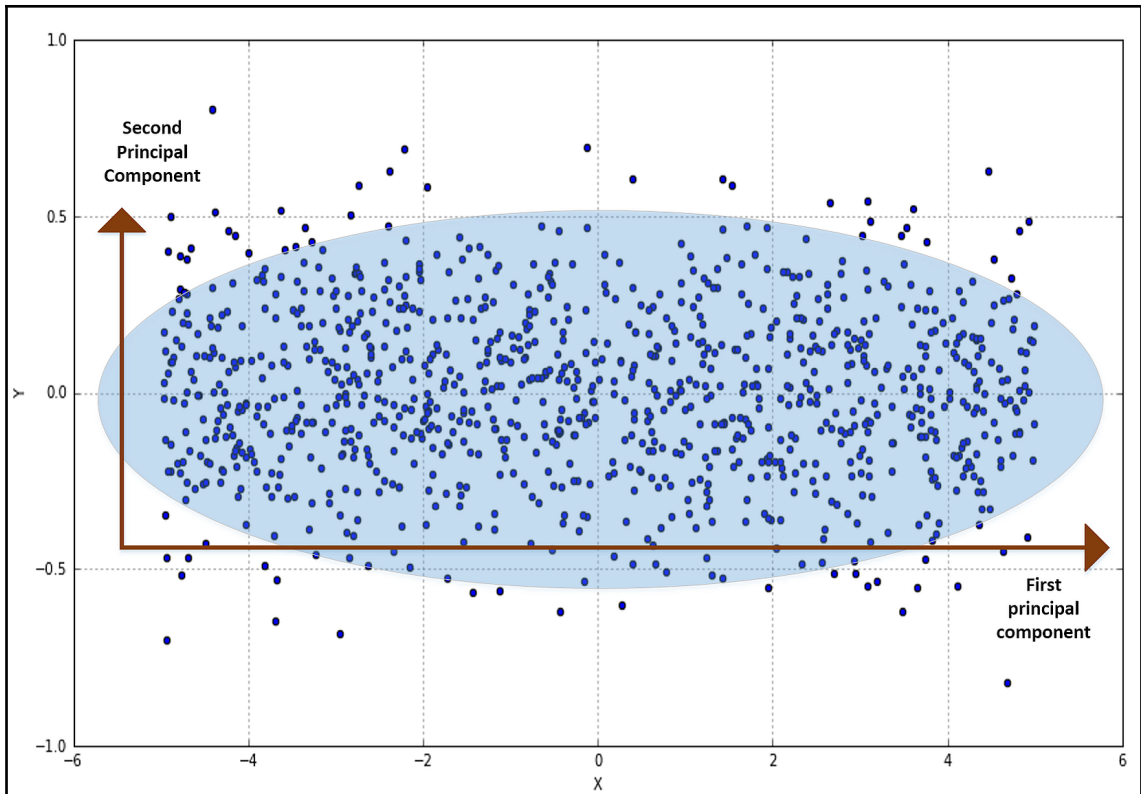


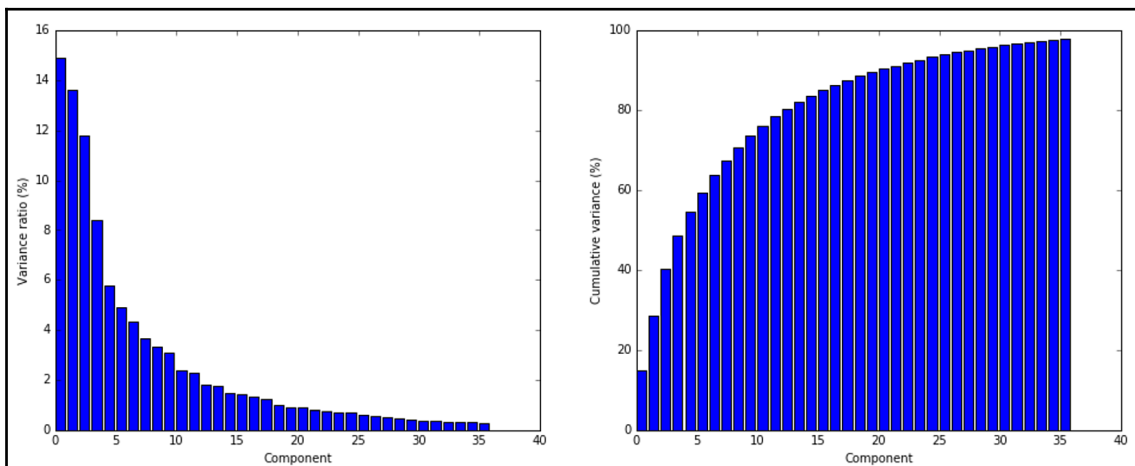
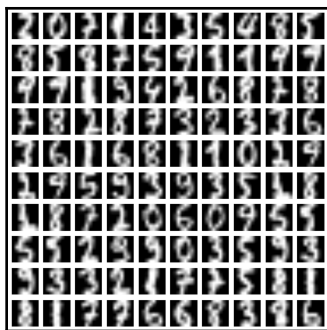
Chapter 03: Feature Selection and Feature Engineering

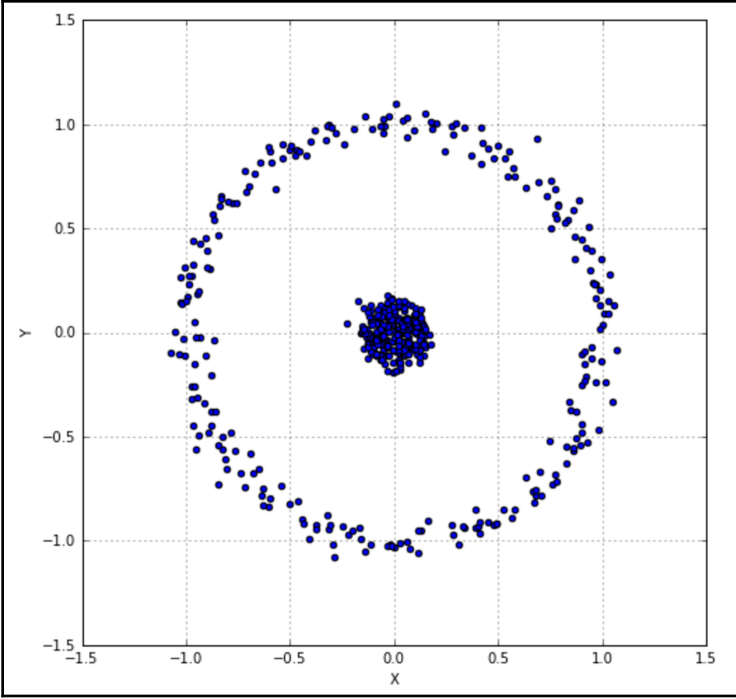


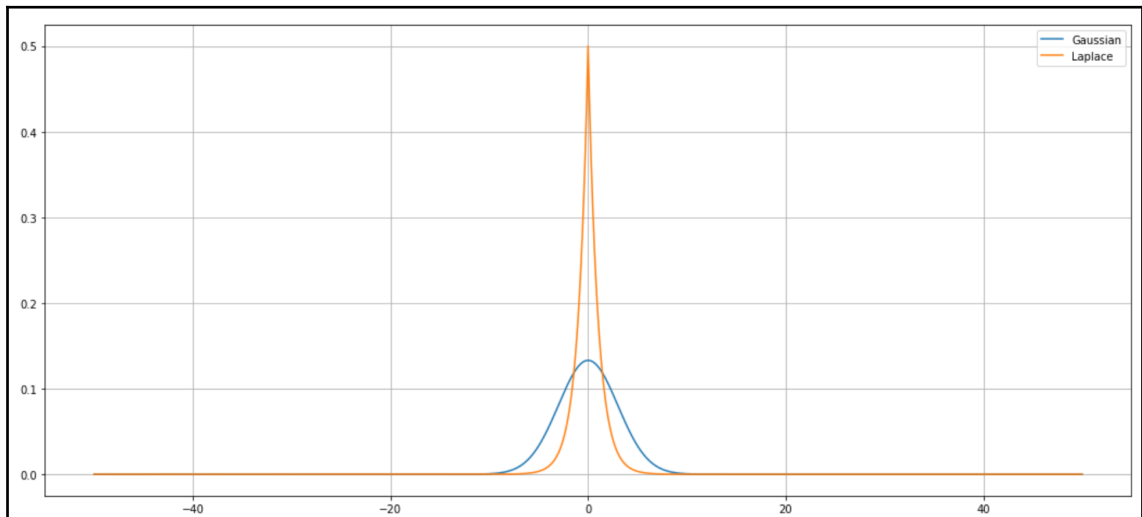
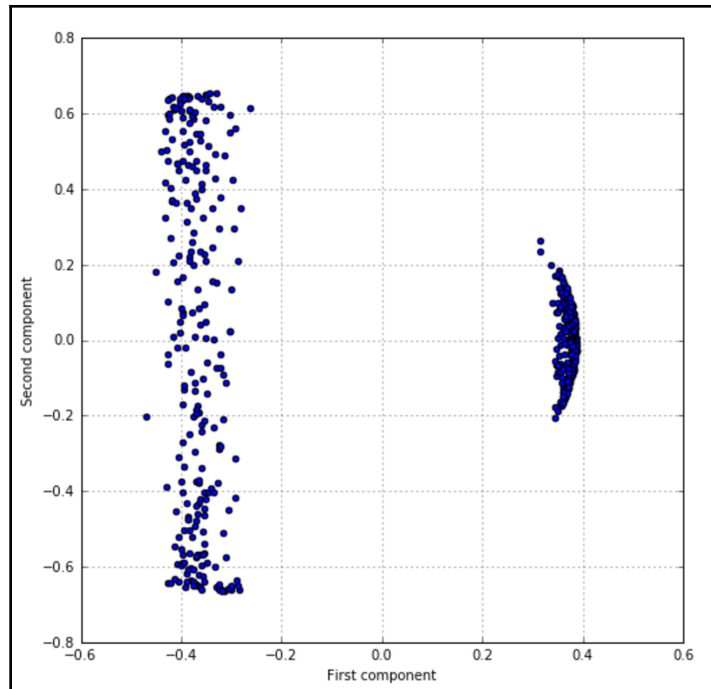


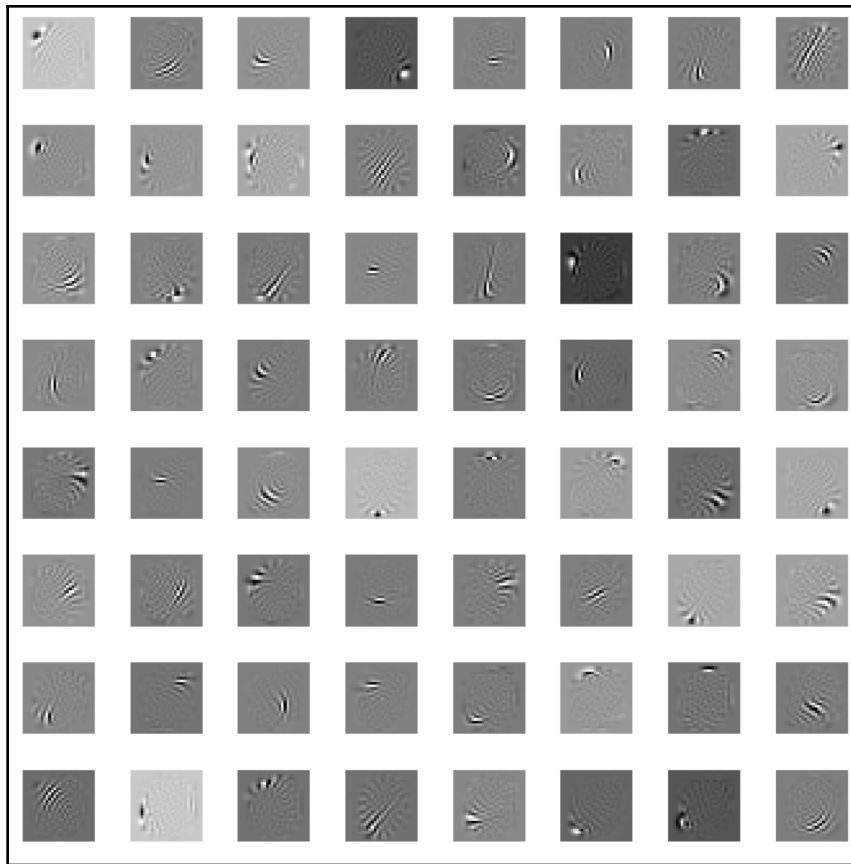


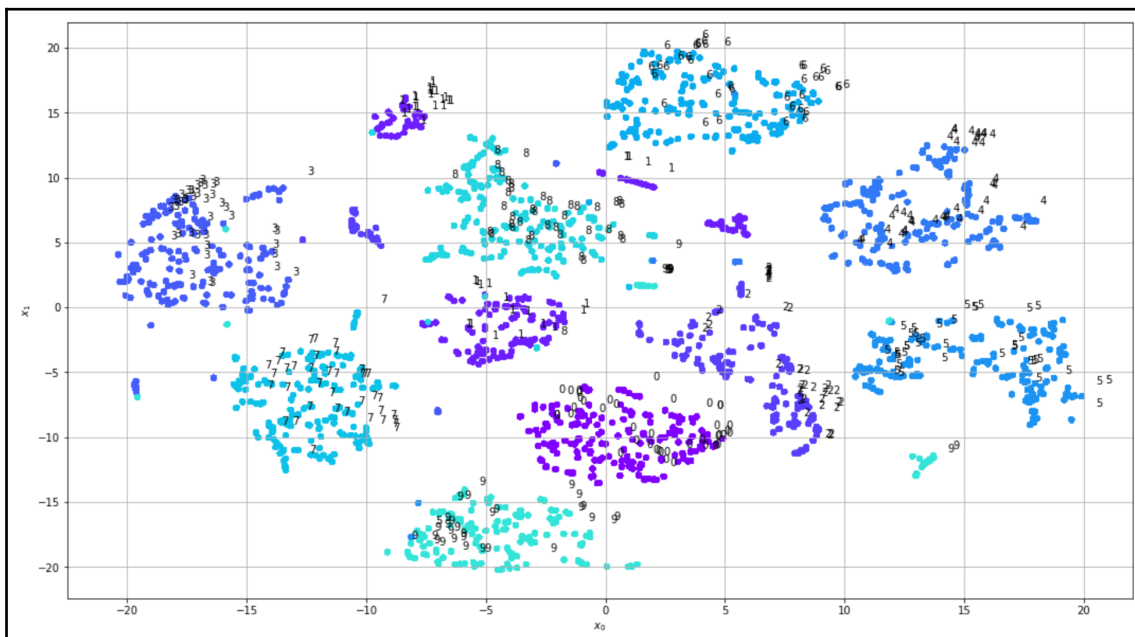




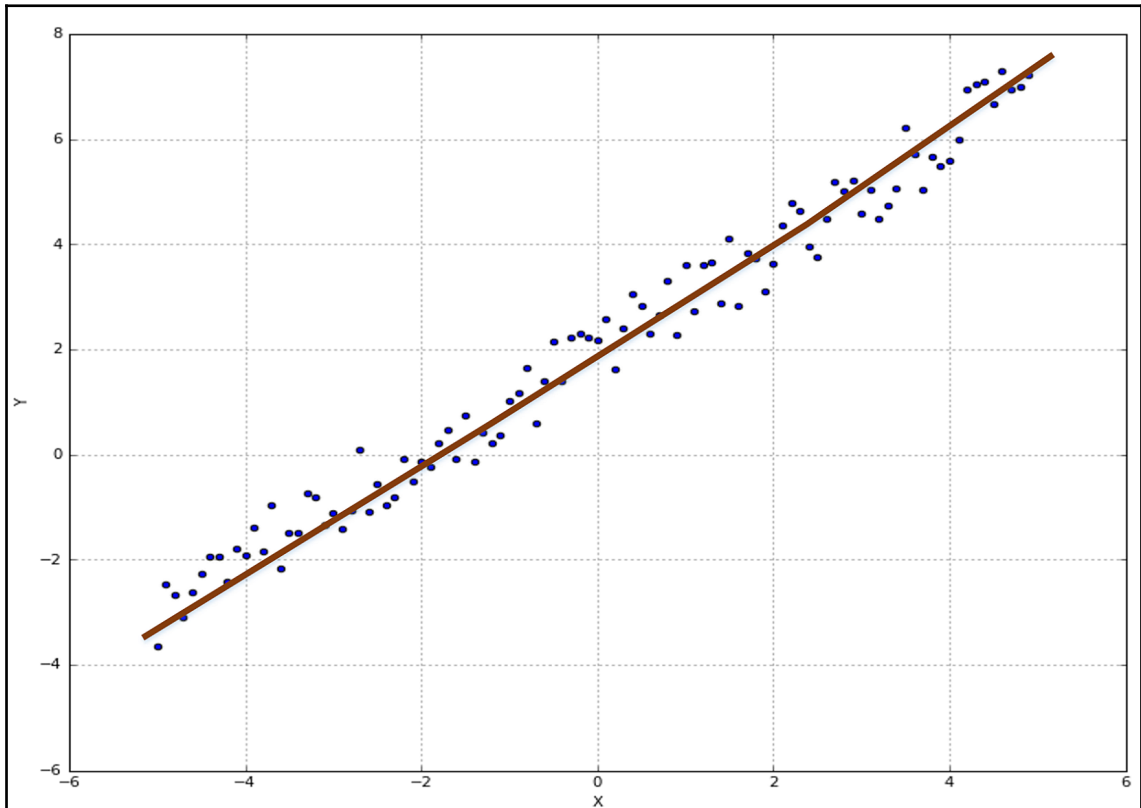
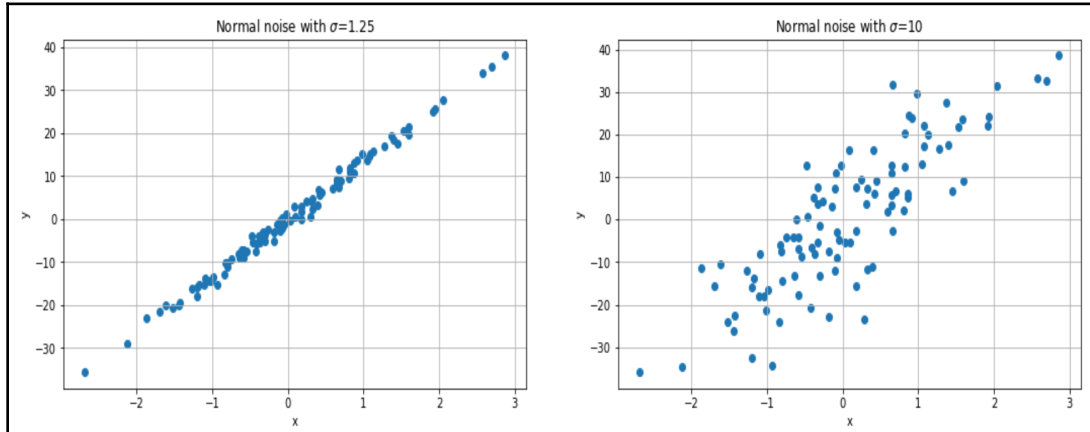


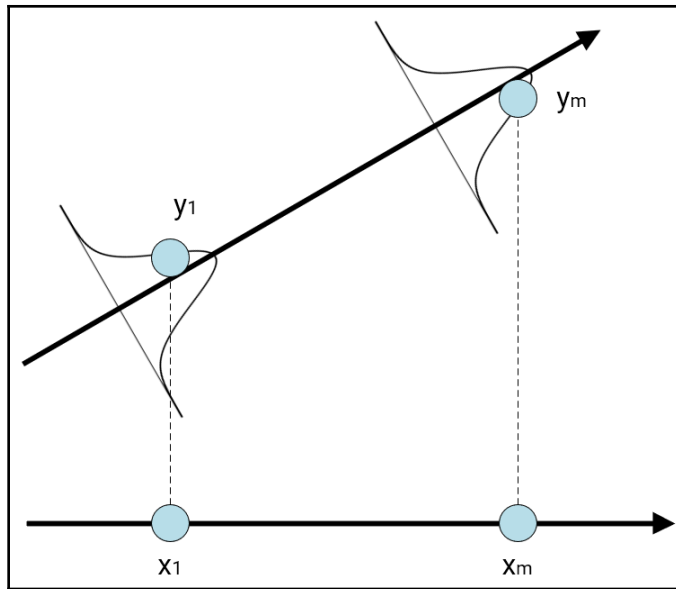


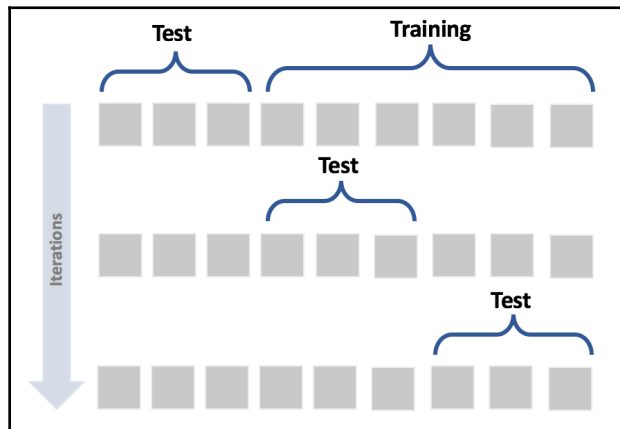
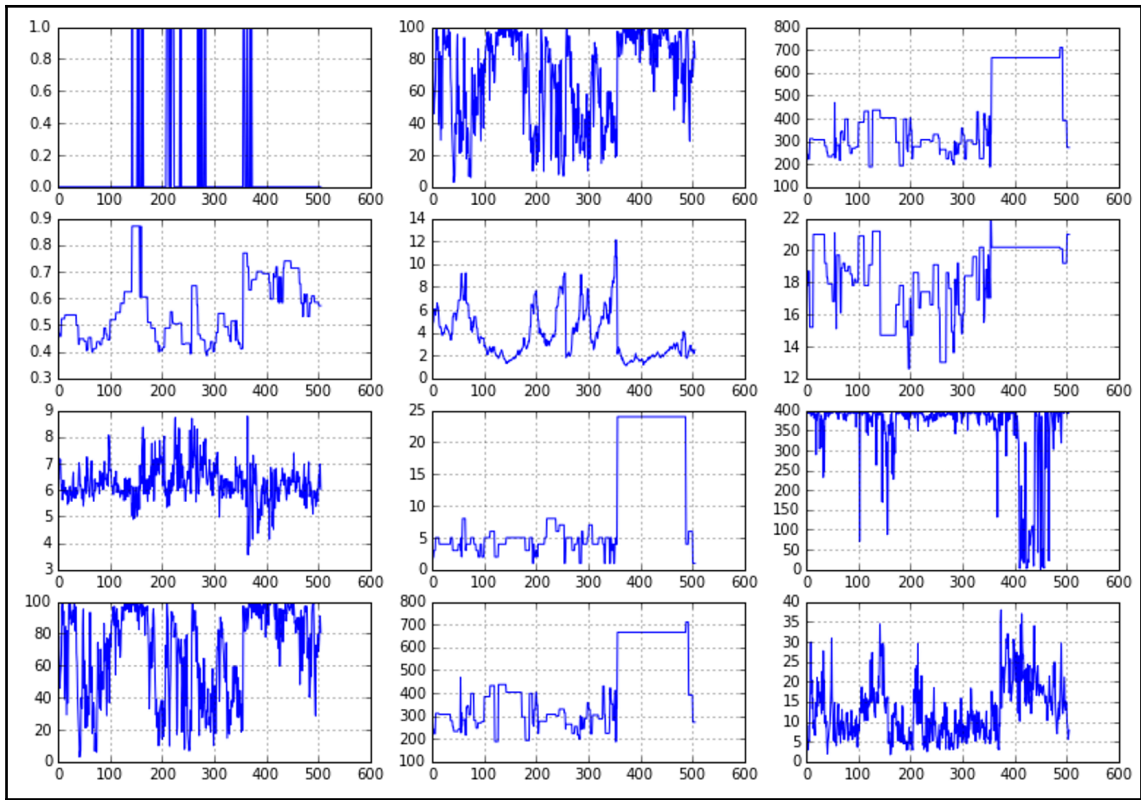


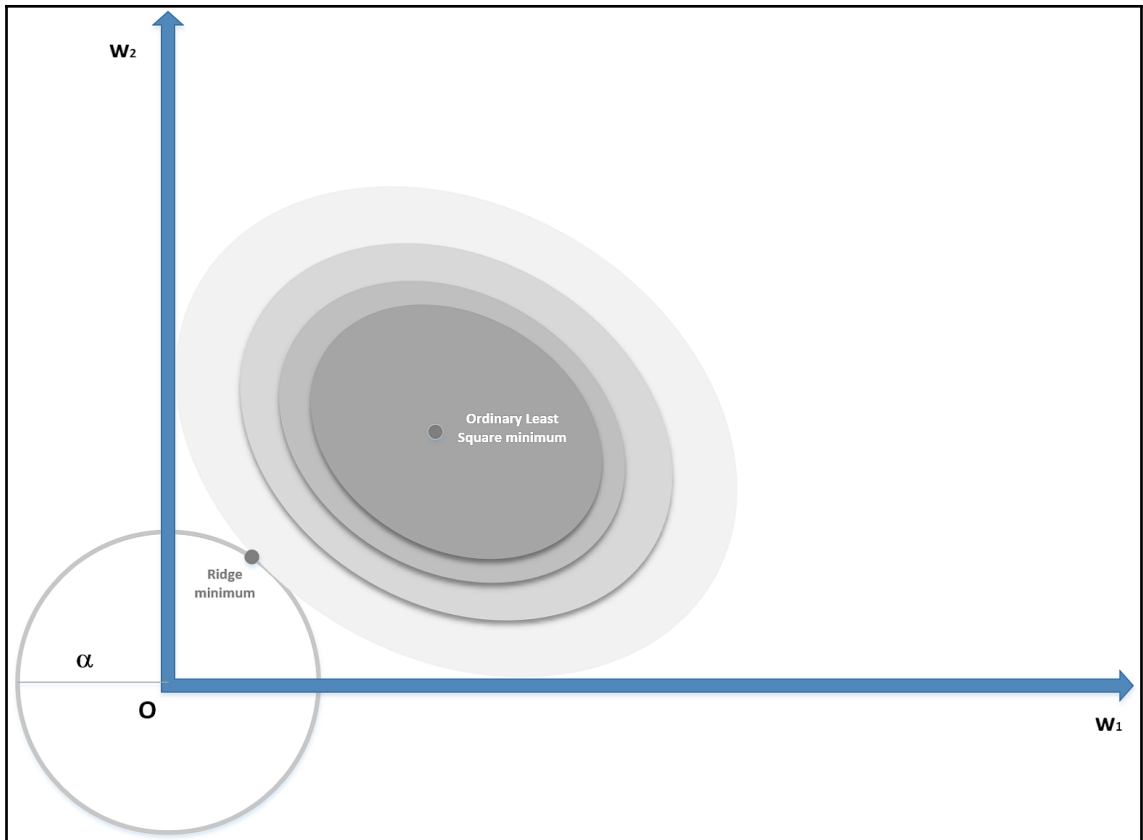


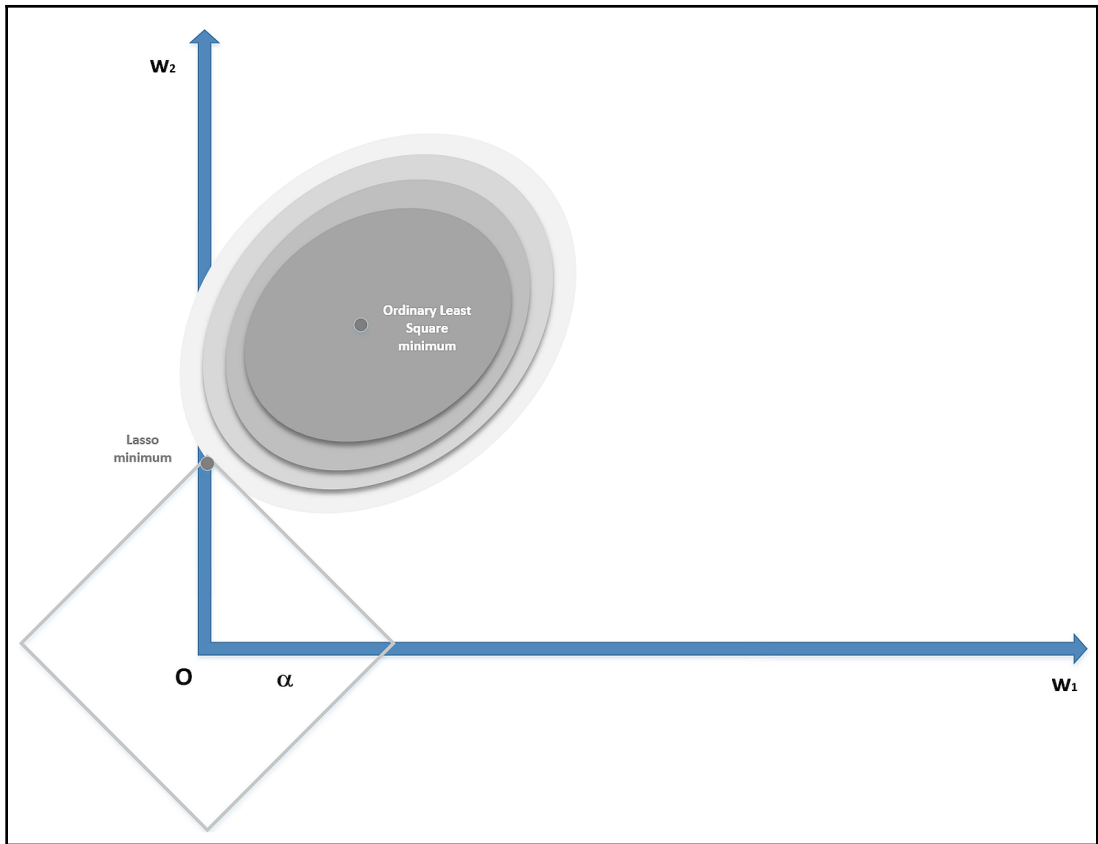
Chapter 04: Regression Algorithms

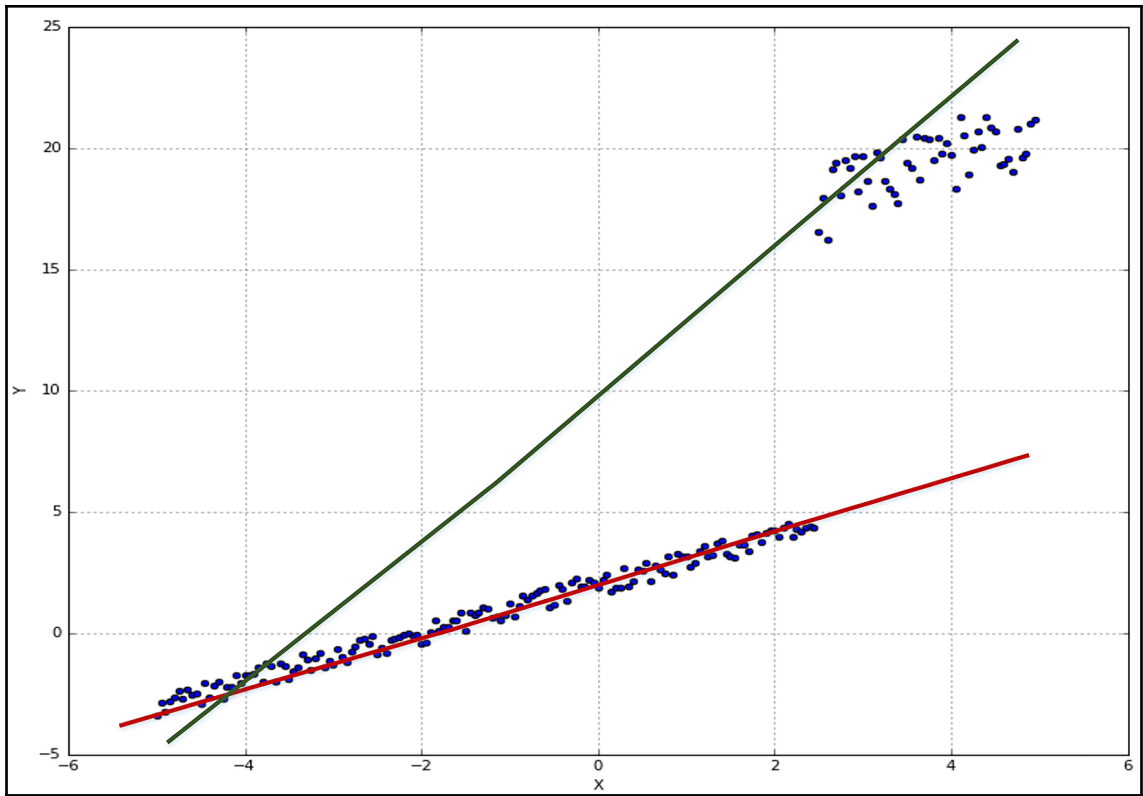


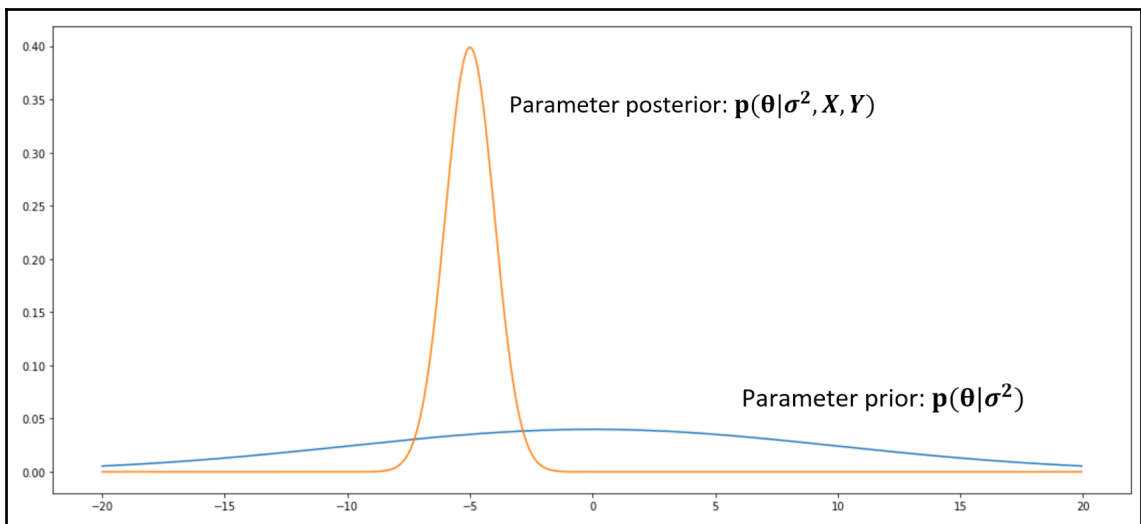
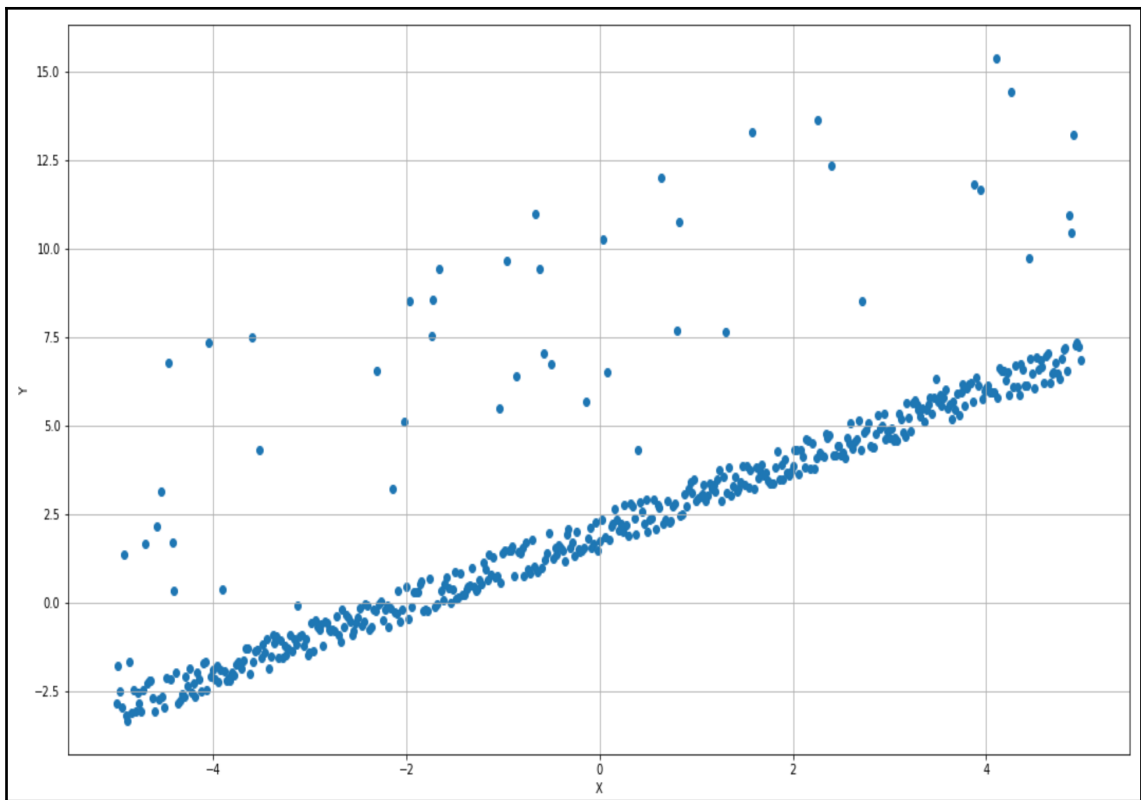


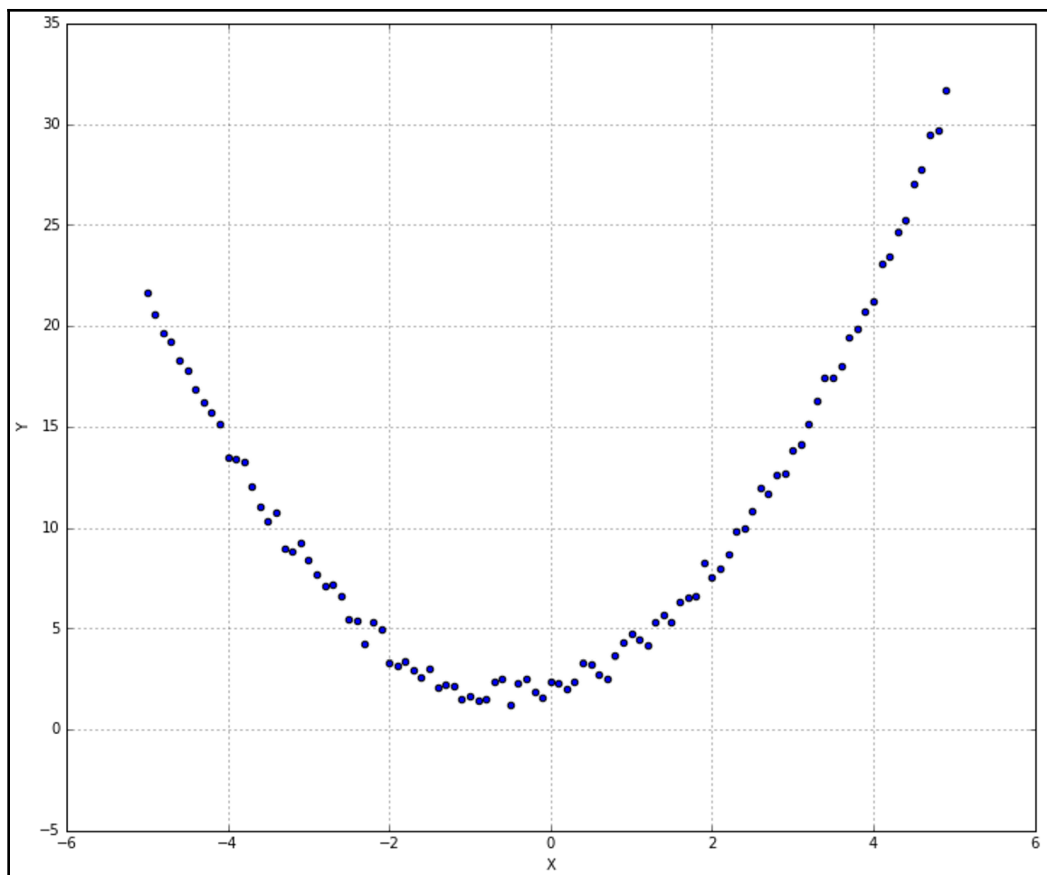


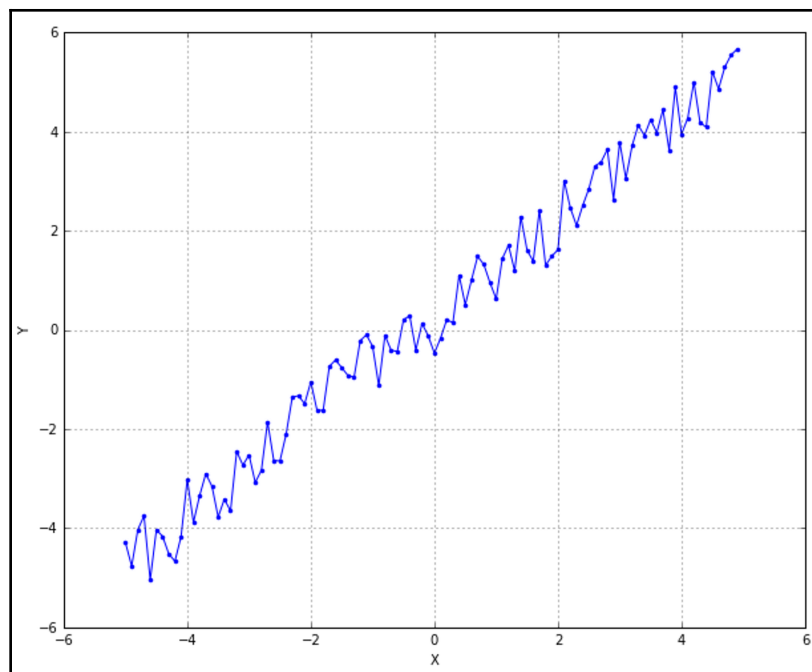


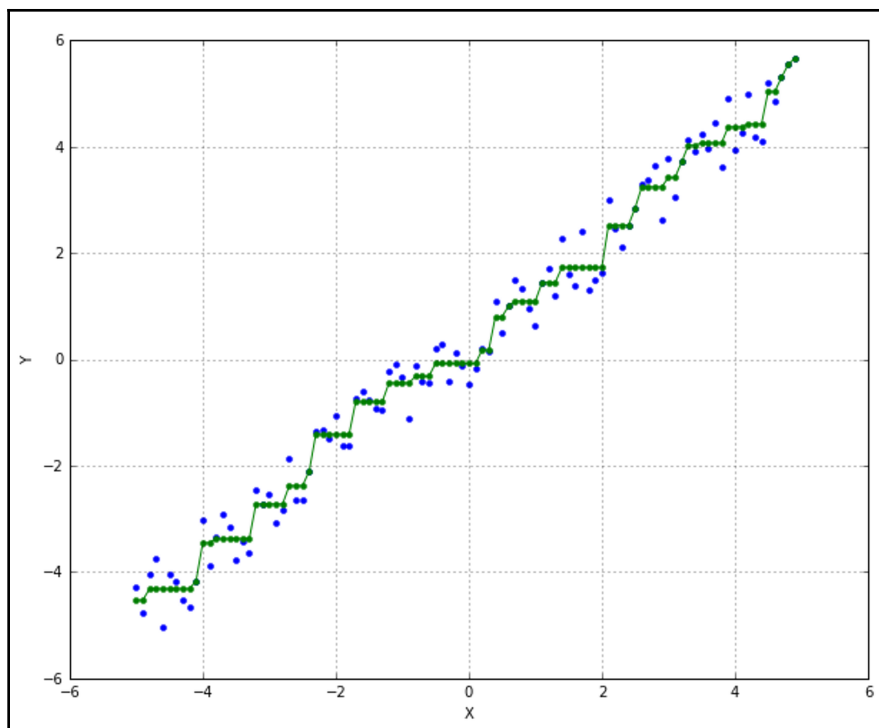




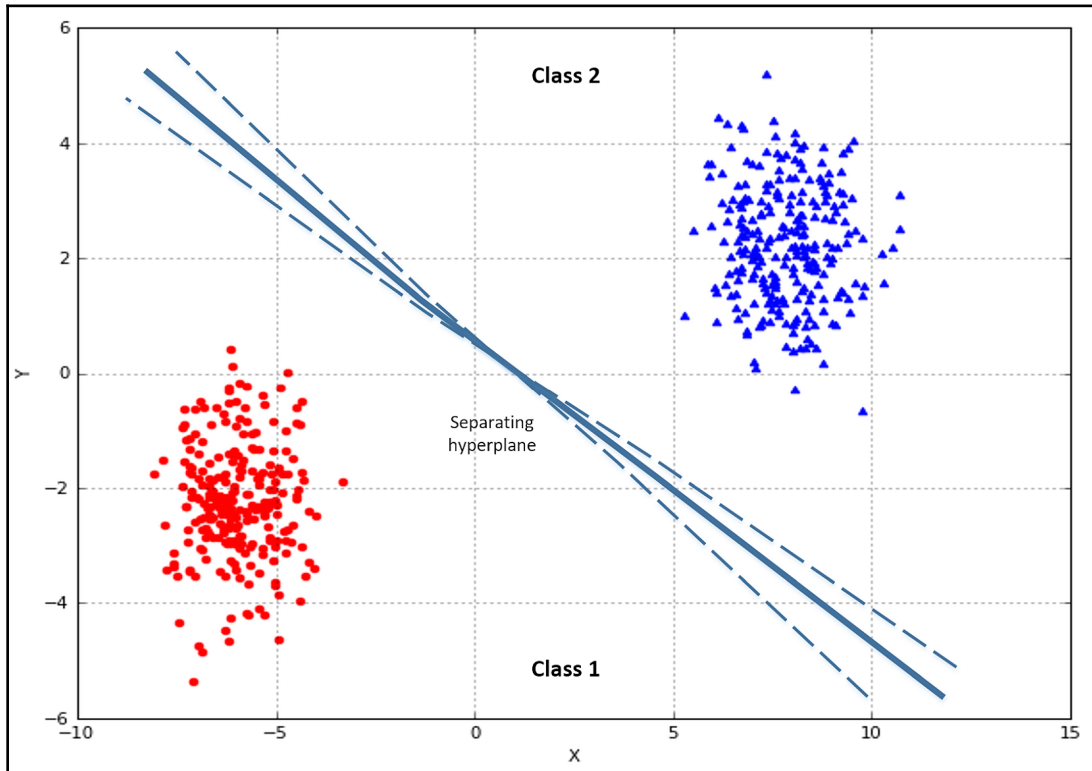


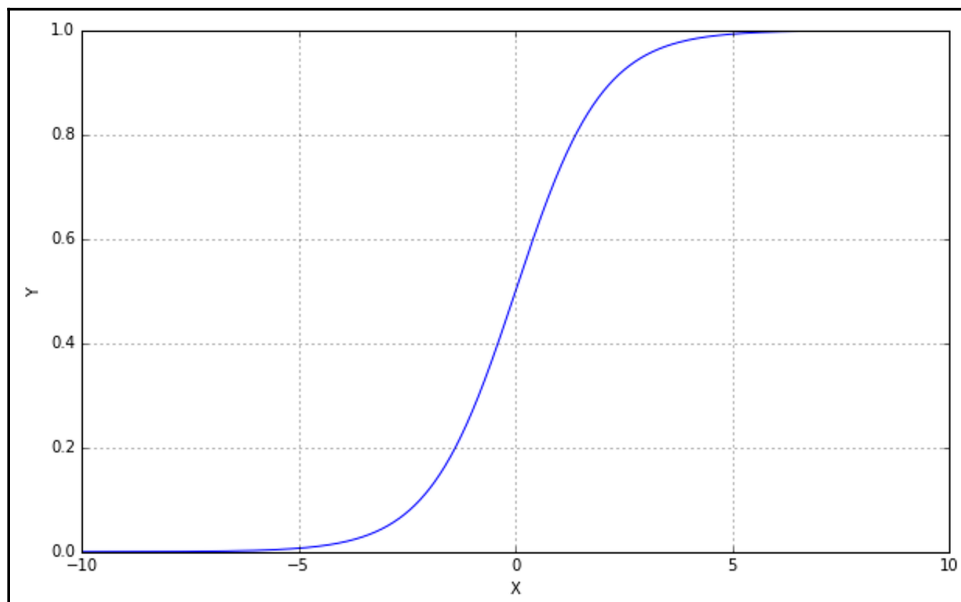
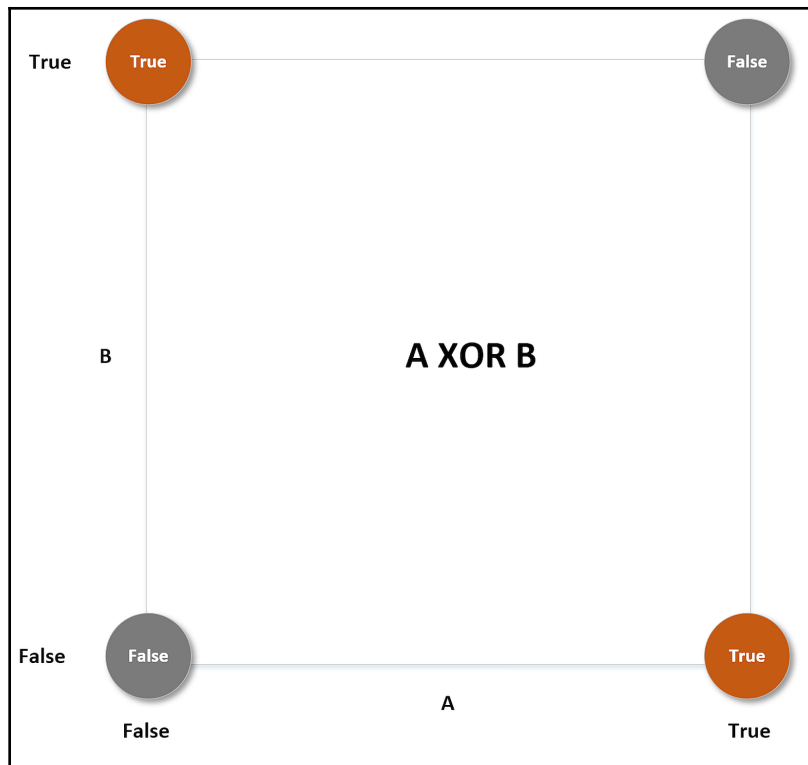


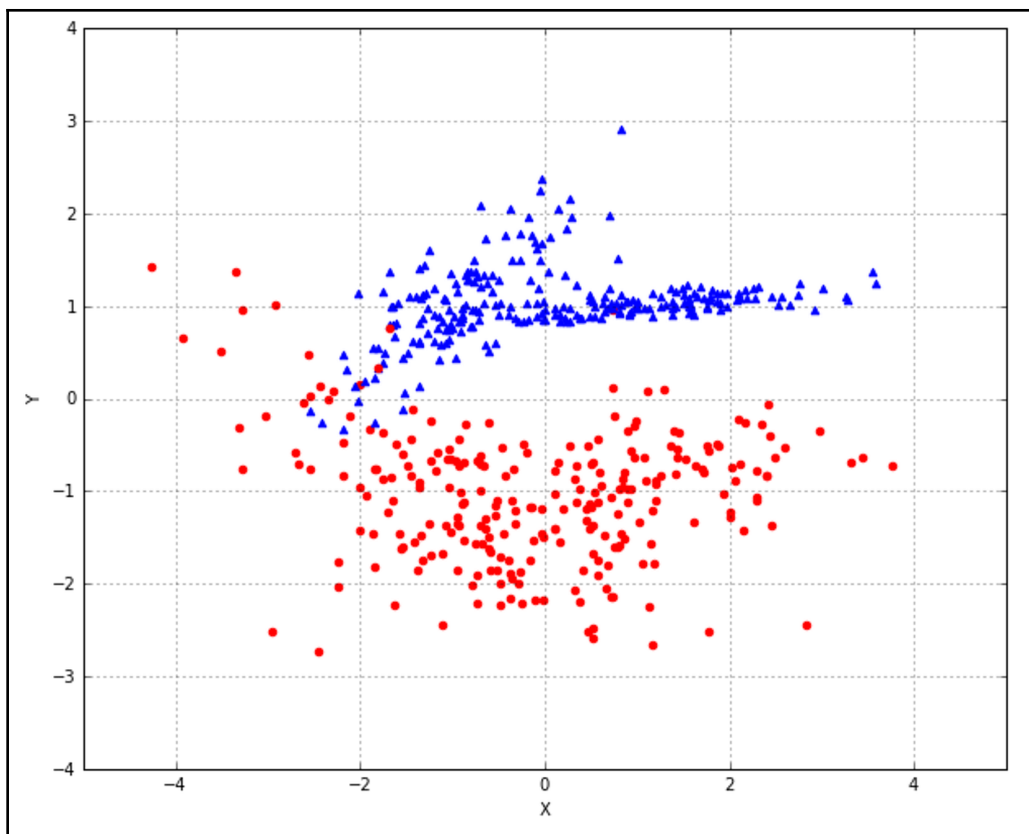


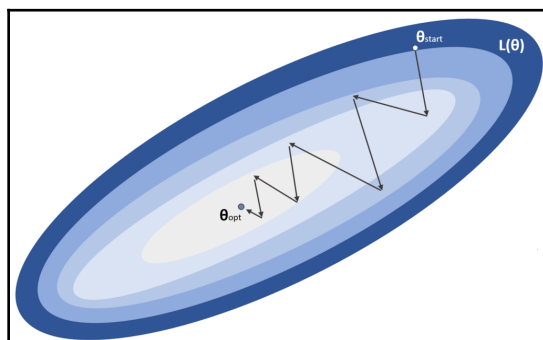
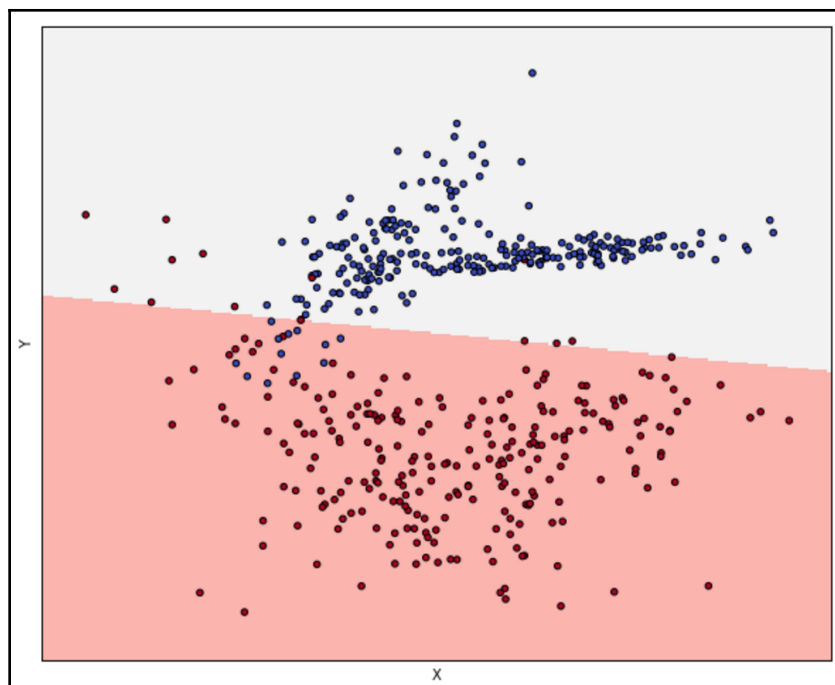


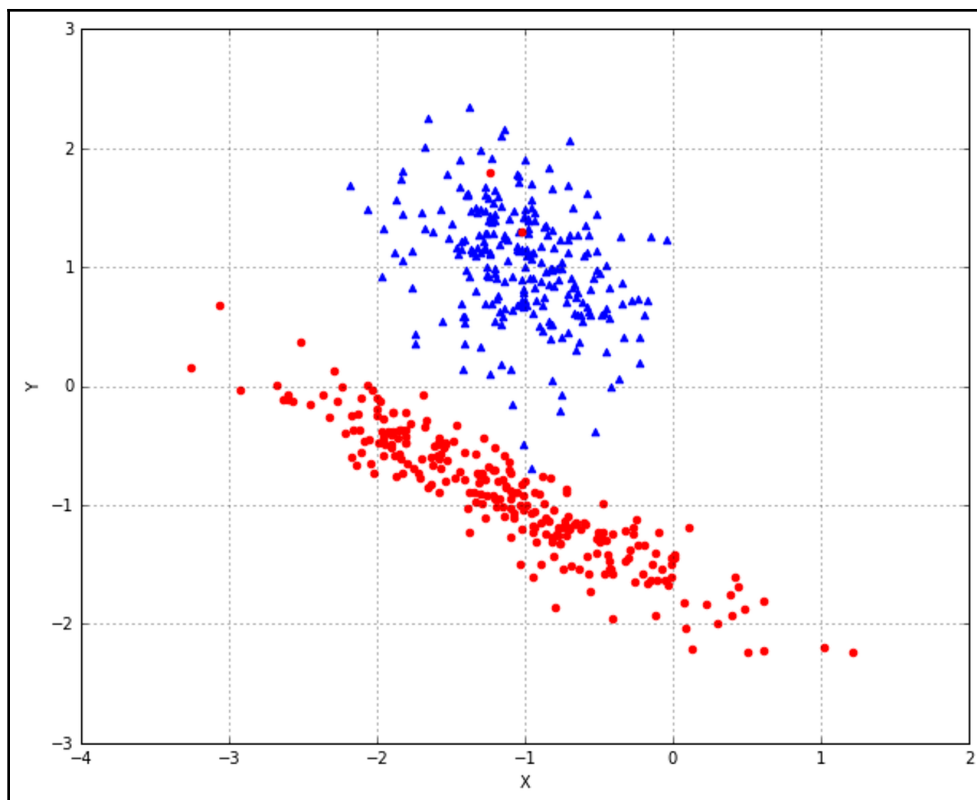
Chapter 05: Linear Classification Algorithms

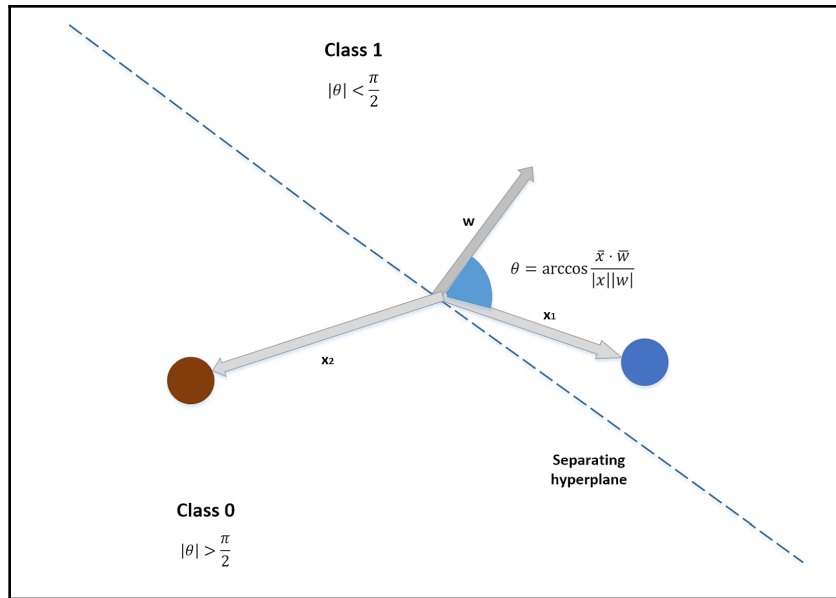


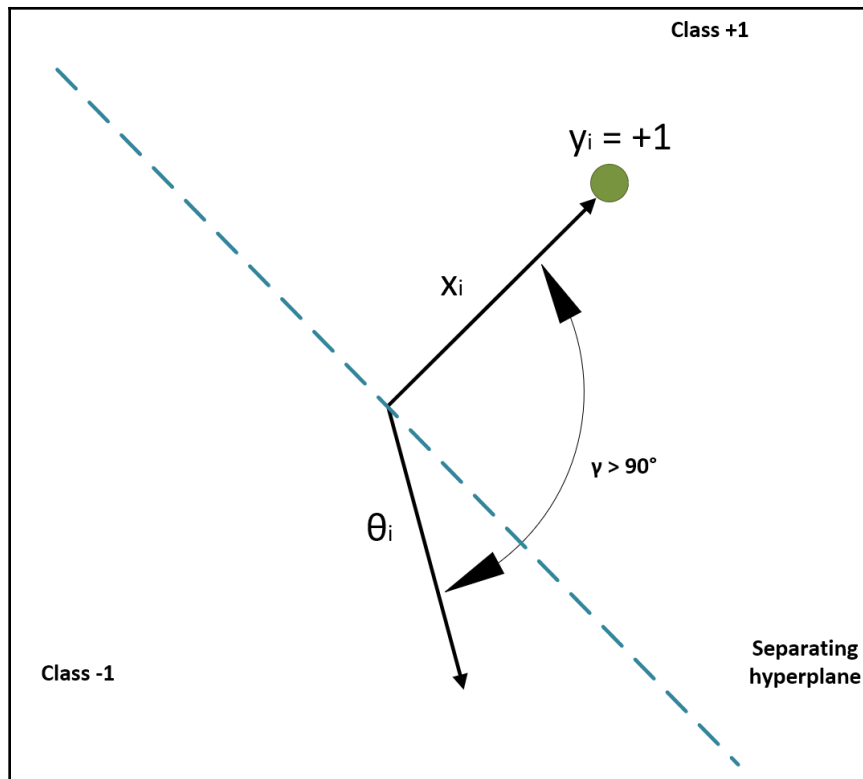


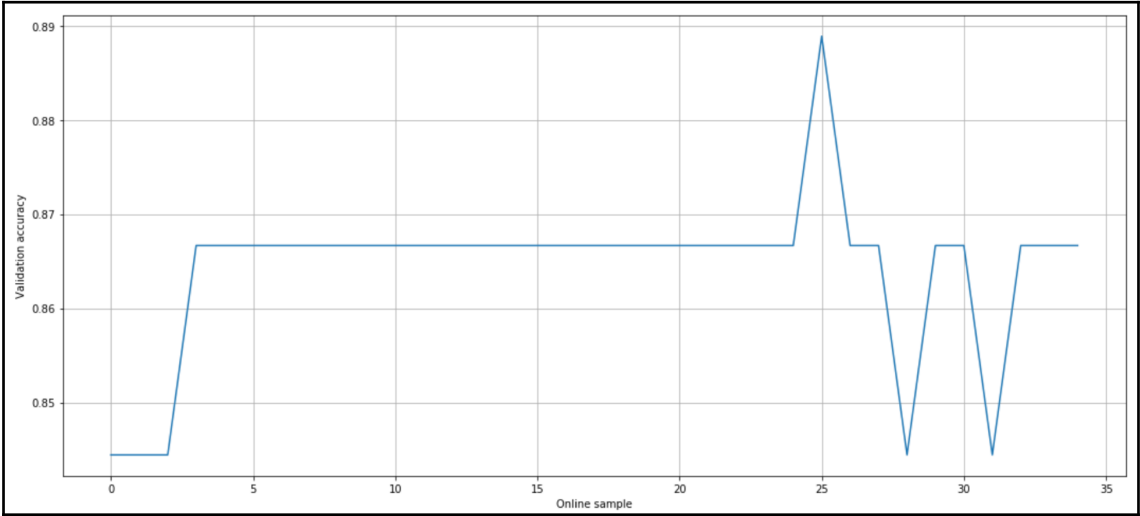
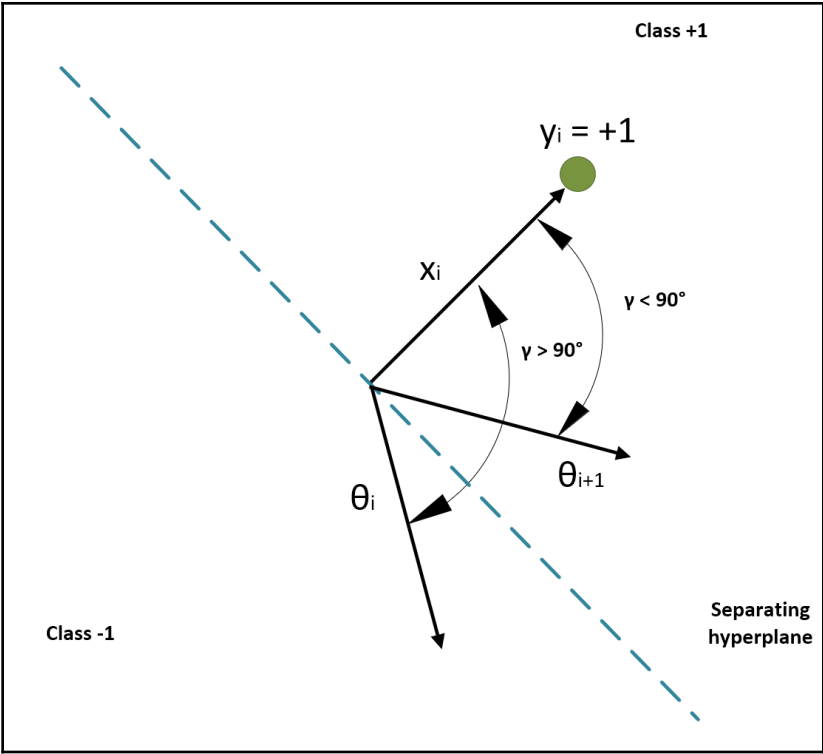


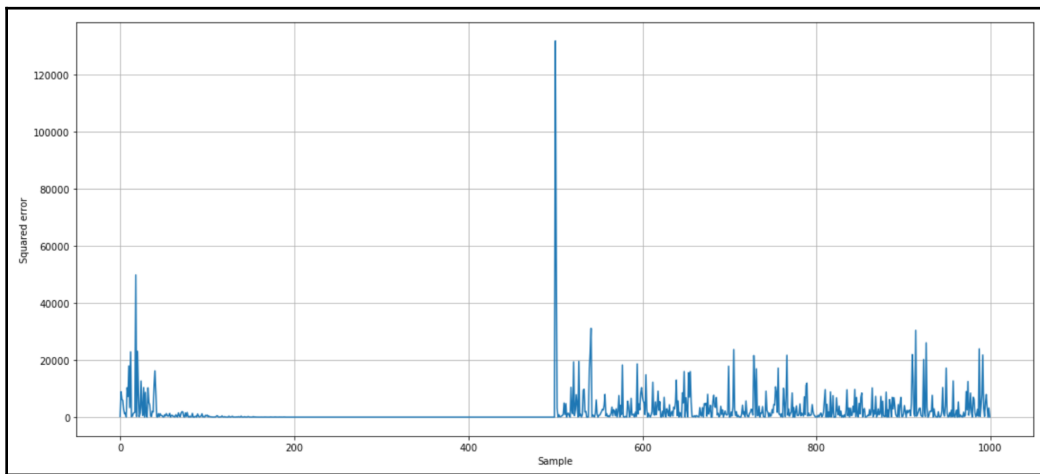
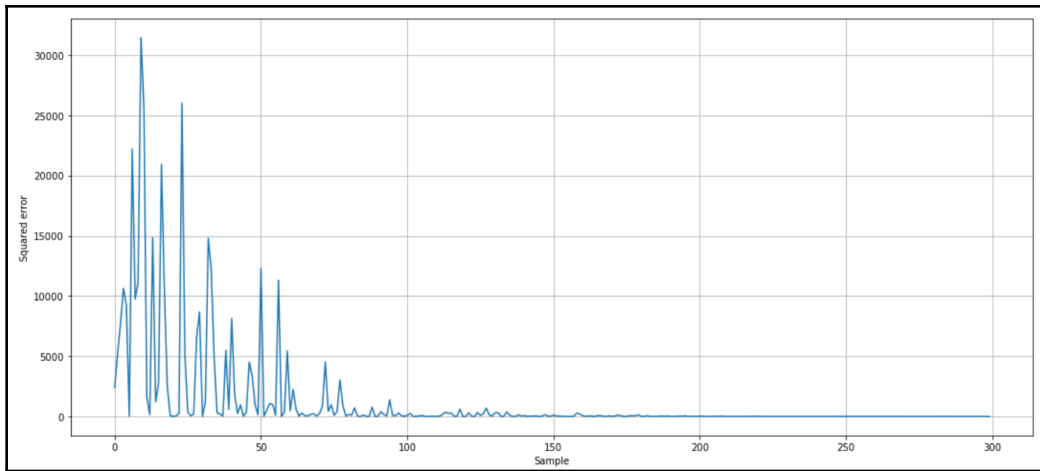


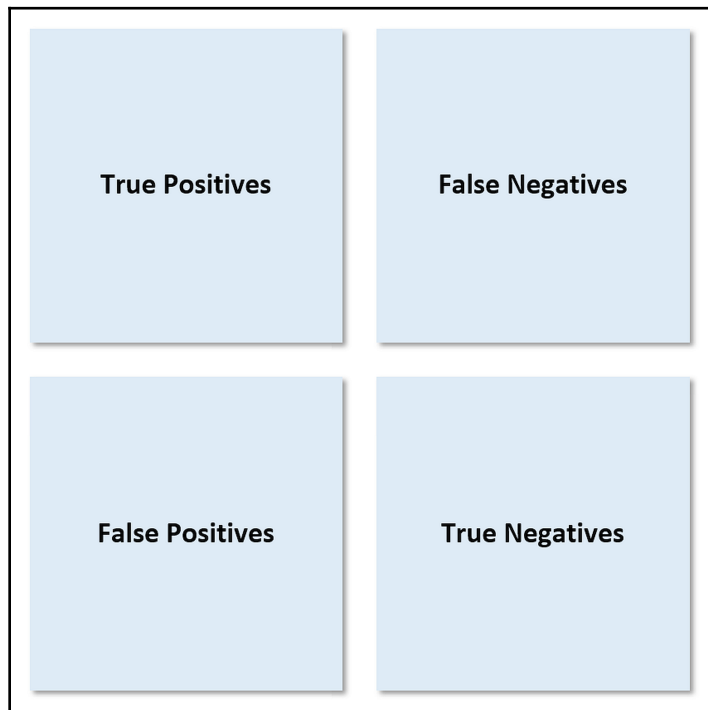
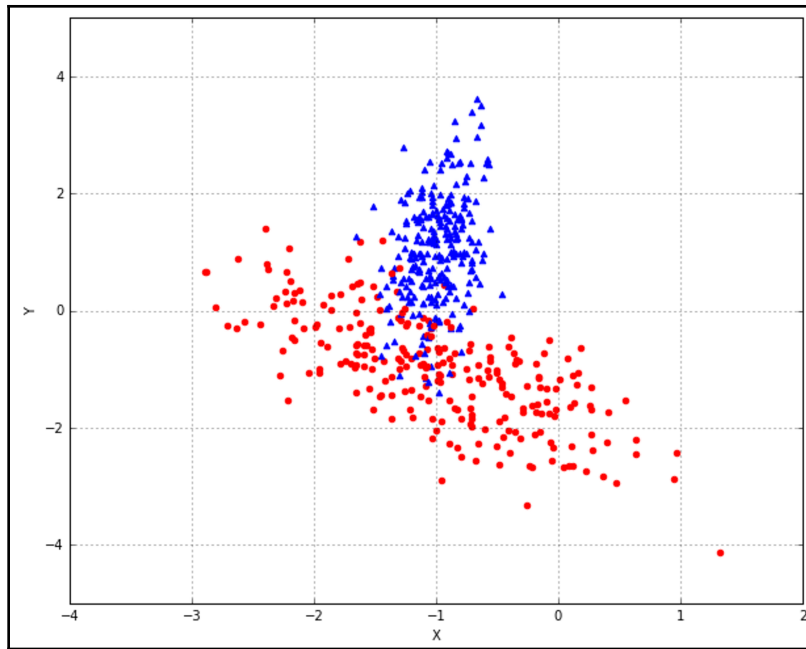


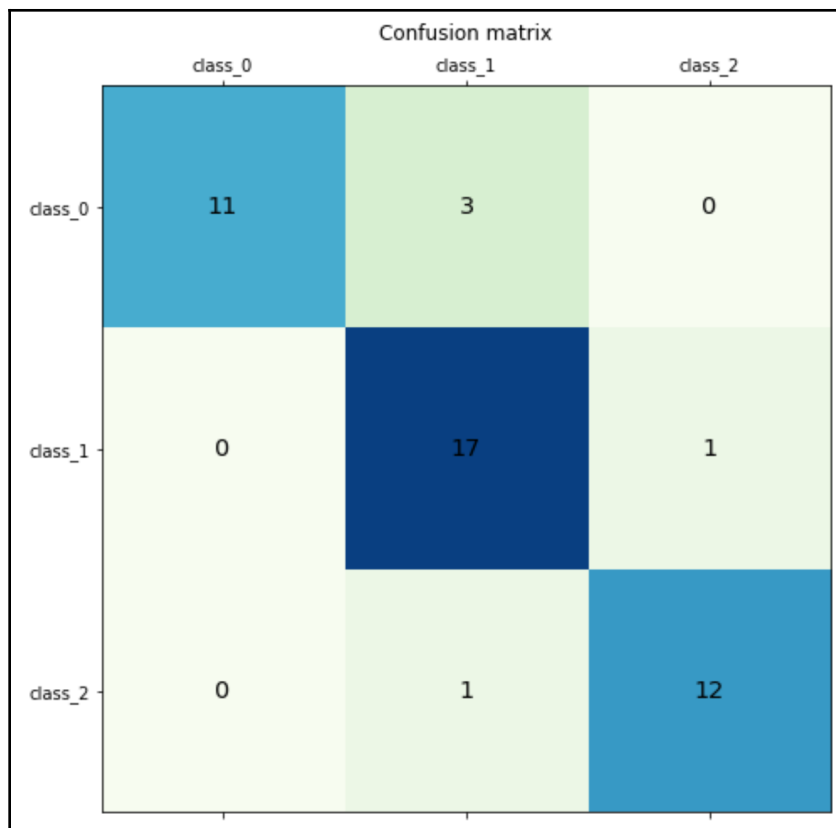


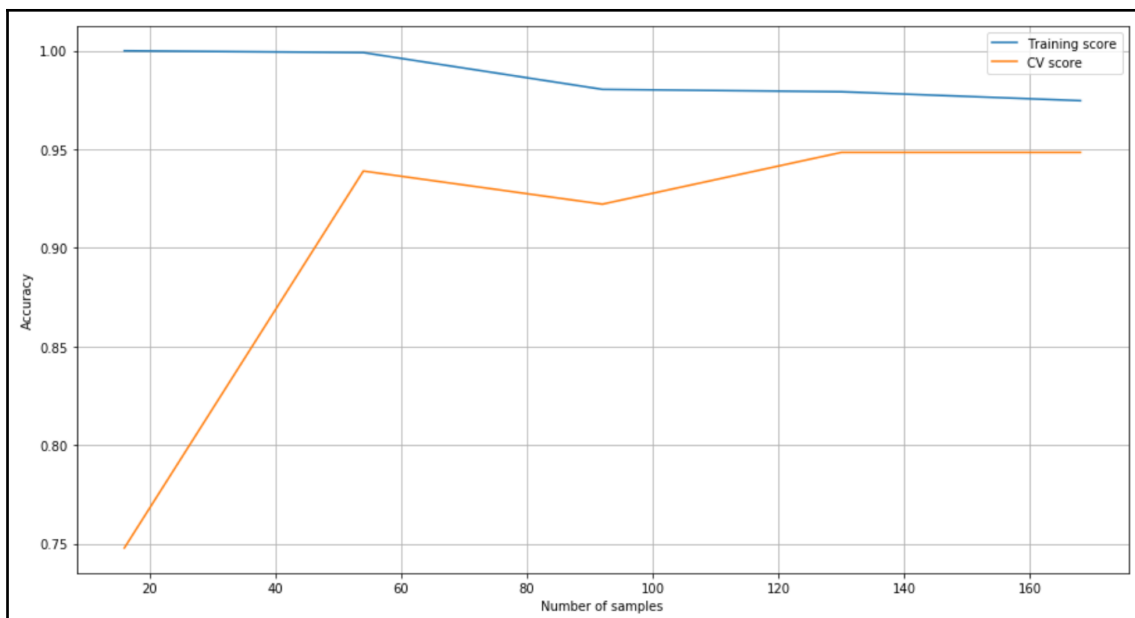


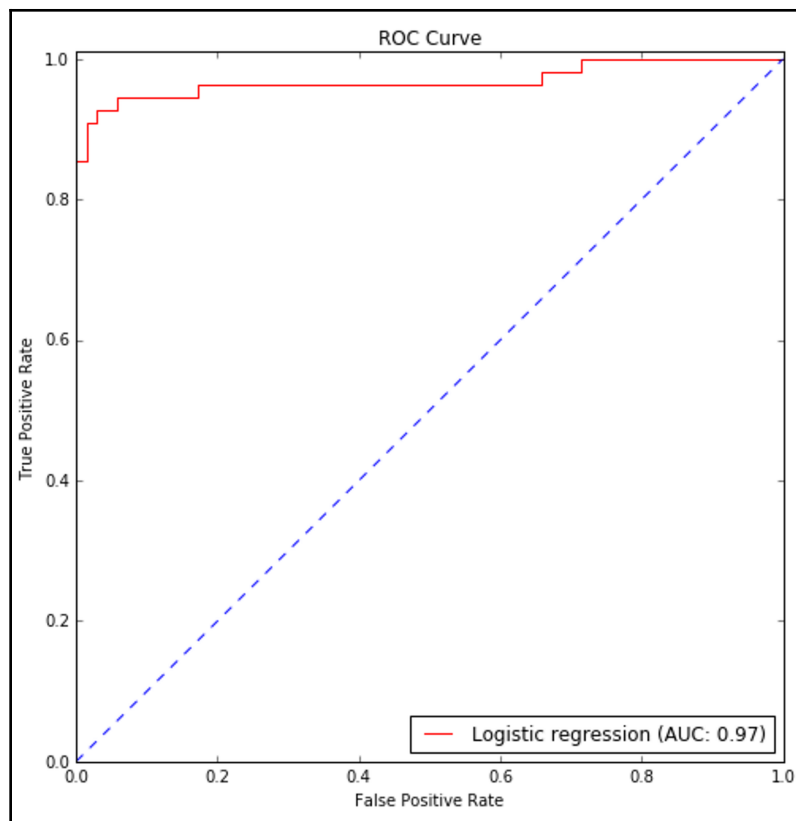




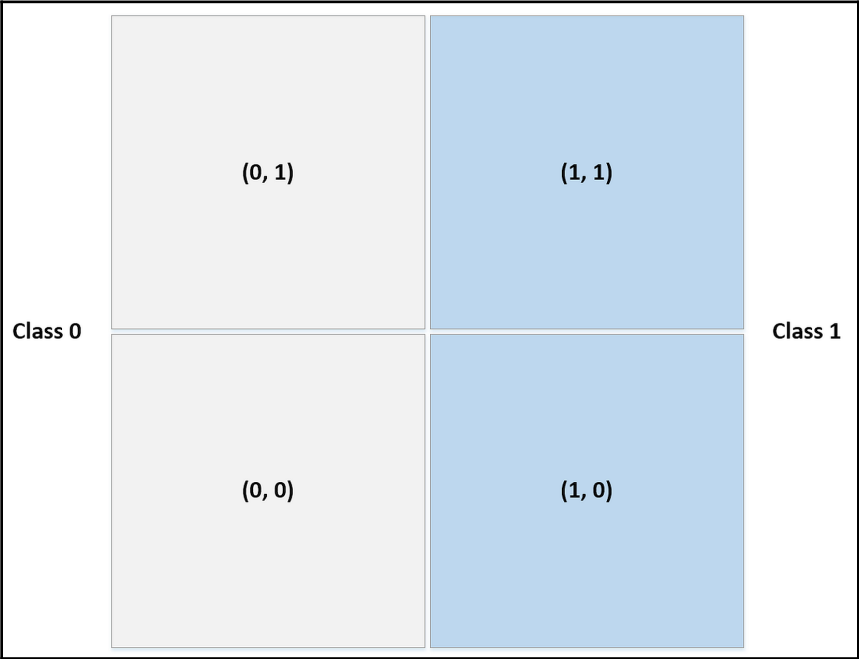




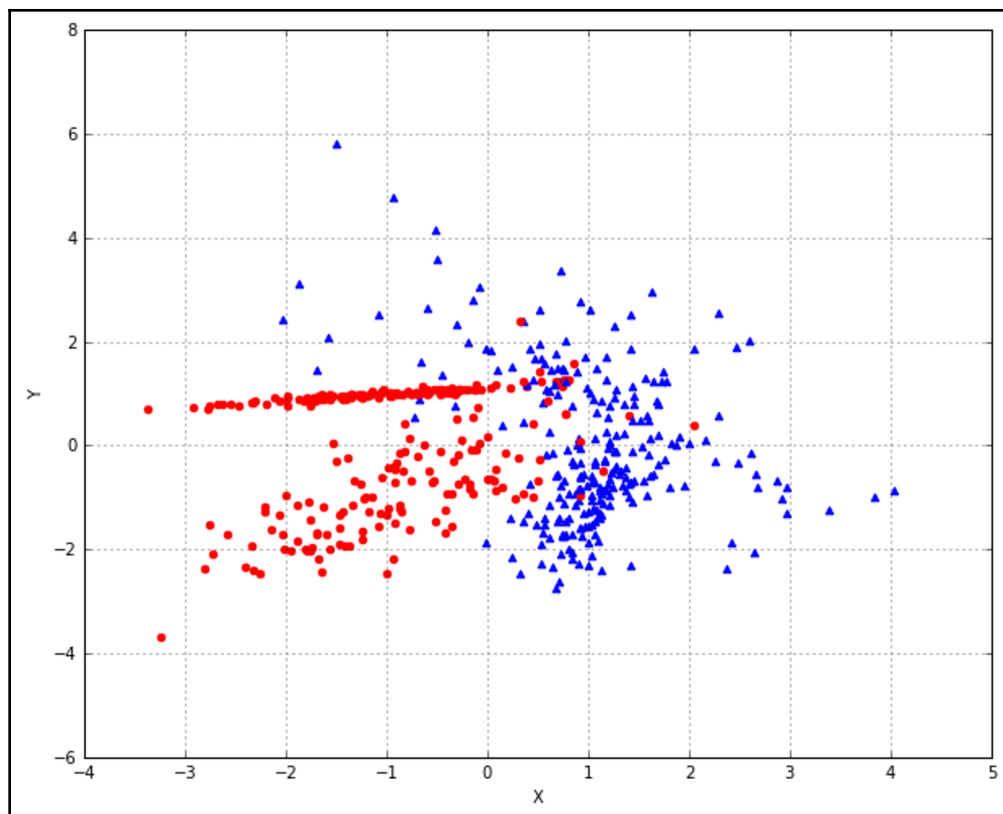


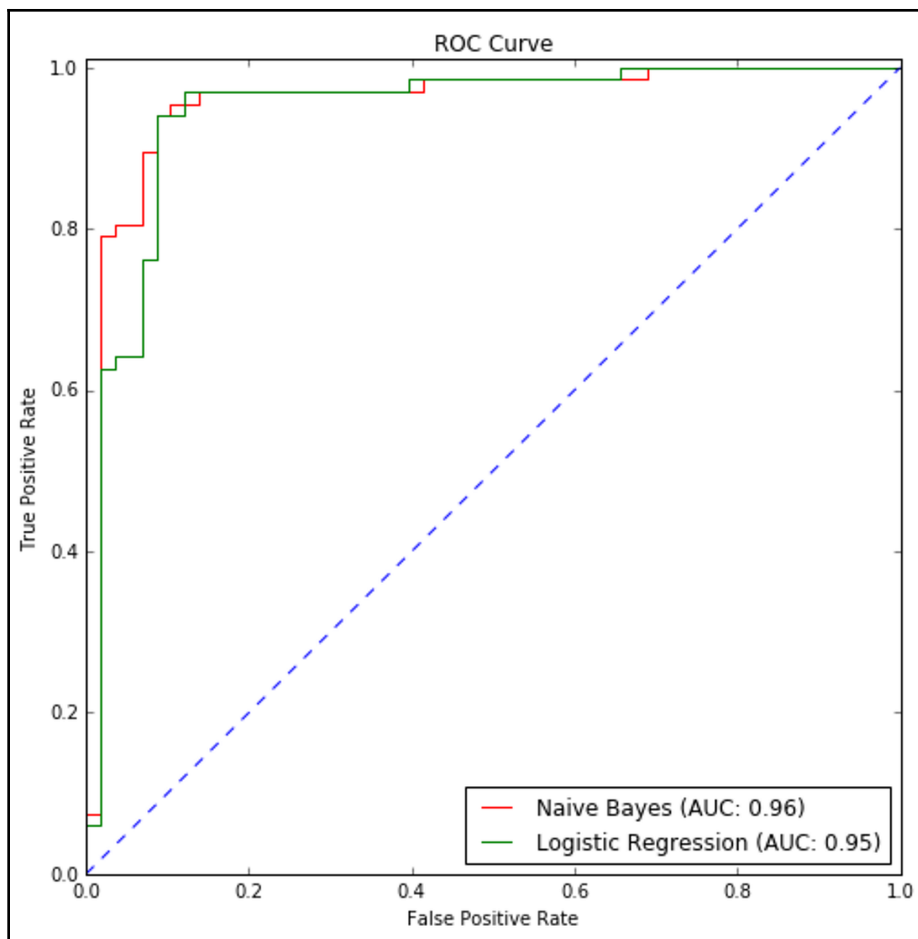


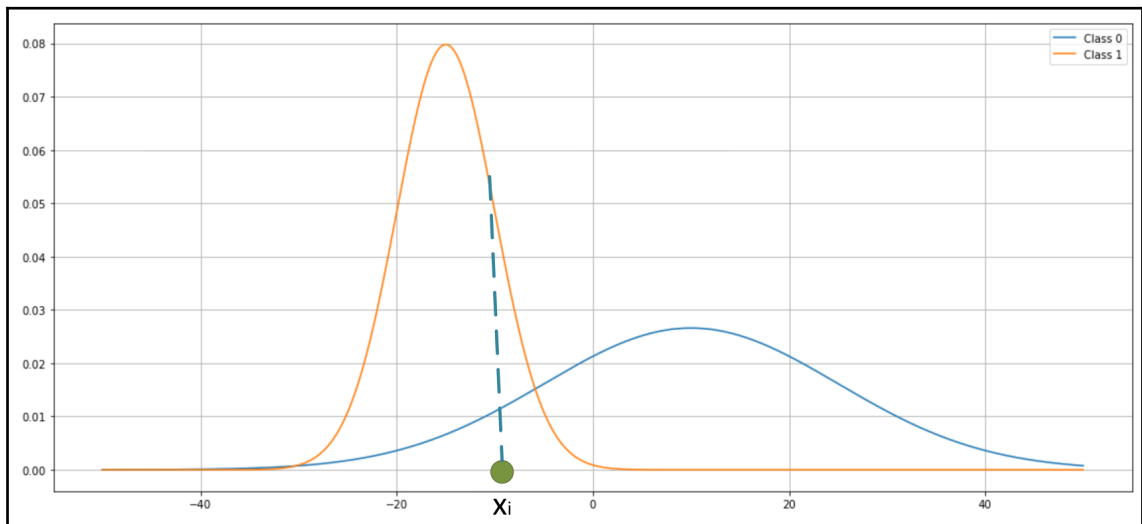
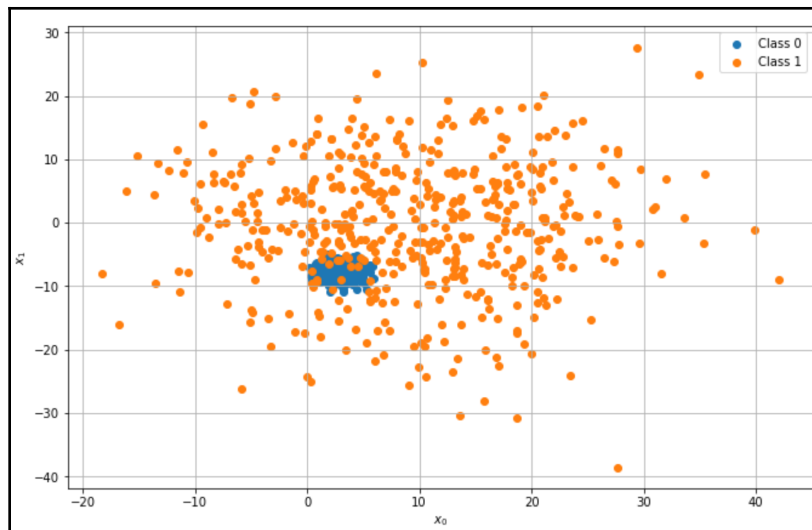
Chapter 06: Naive Bayes and Discriminant Analysis



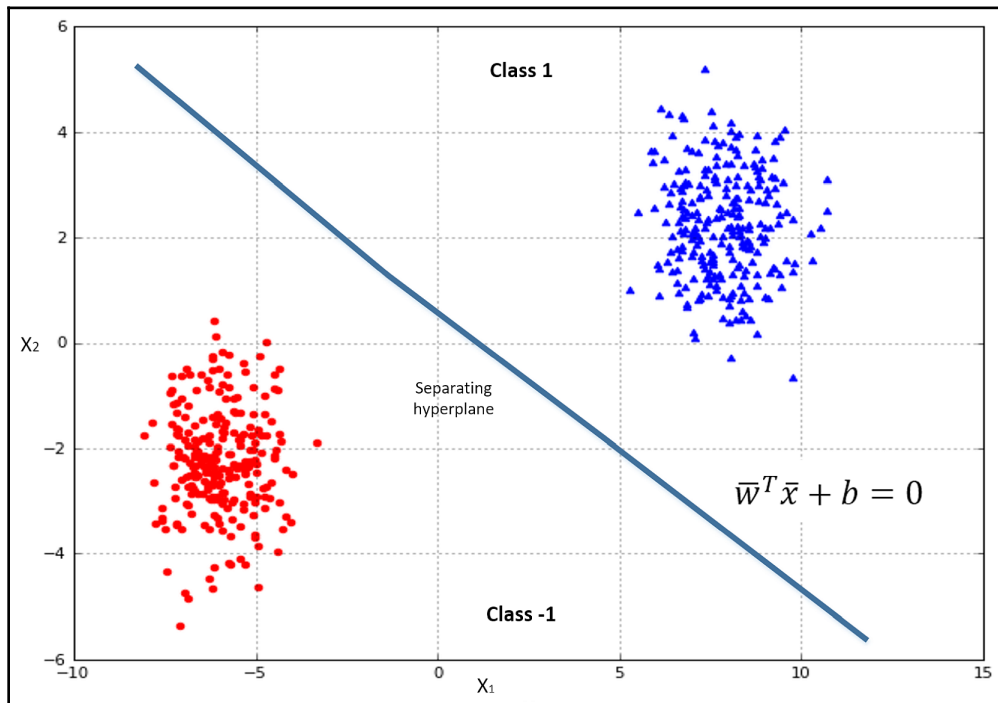
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sci.electronics	0	12	3	23	6	0	5	4	5	0	0	20	302	8	4	0	0	1	0	0
sci.med	2	7	1	4	1	3	2	2	3	4	1	2	9	334	4	8	2	2	5	0
sci.space	0	5	0	0	1	4	2	1	0	1	0	1	4	4	362	3	5	0	1	0
soc.religion.christian	2	2	1	1	0	0	0	0	0	1	1	0	0	2	2	382	0	0	0	4
talk.politics.guns	0	0	0	1	0	0	1	0	4	1	0	6	1	1	1	1	335	1	9	2
talk.politics.mideast	2	1	0	0	0	1	0	0	0	0	1	0	0	1	0	7	5	354	4	0
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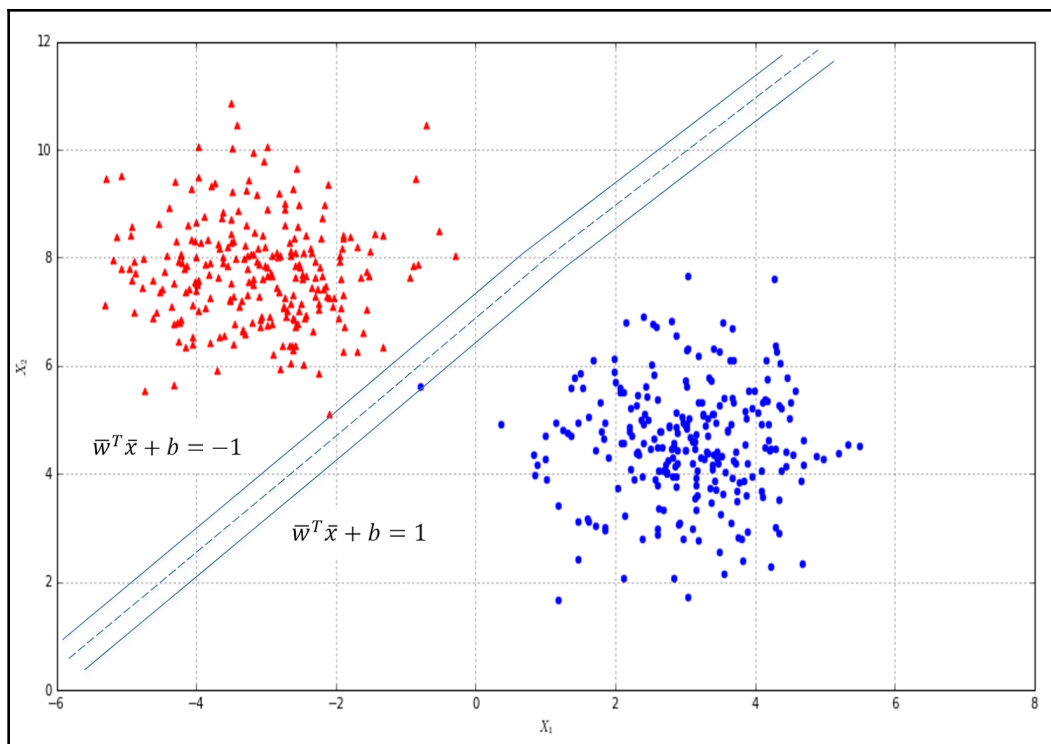


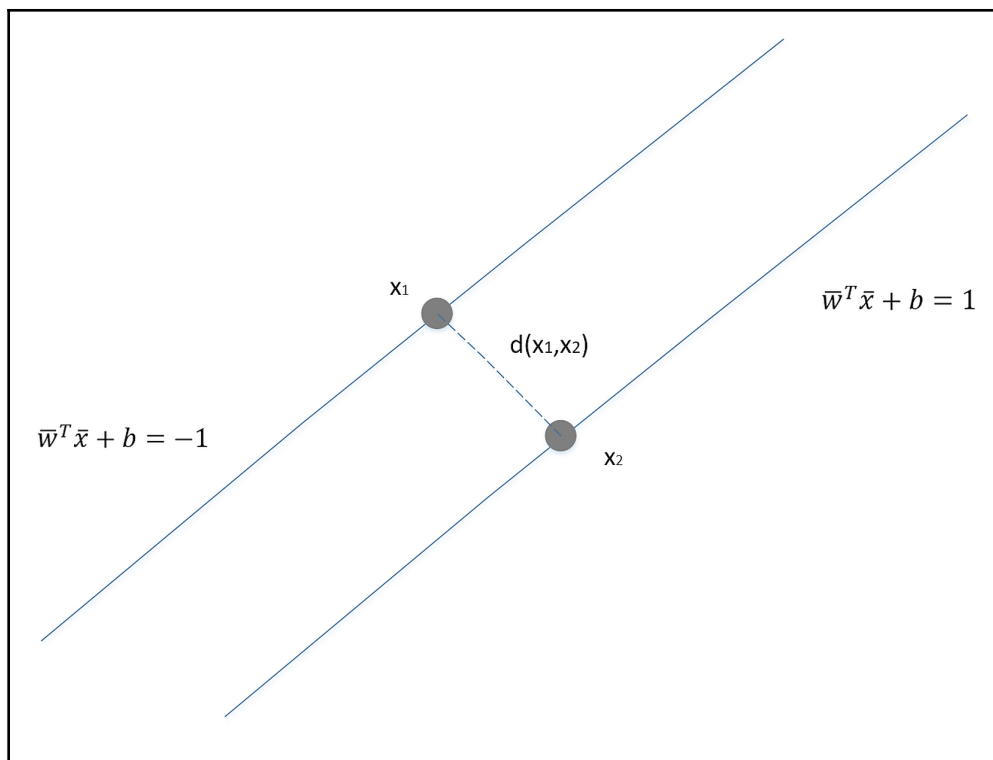


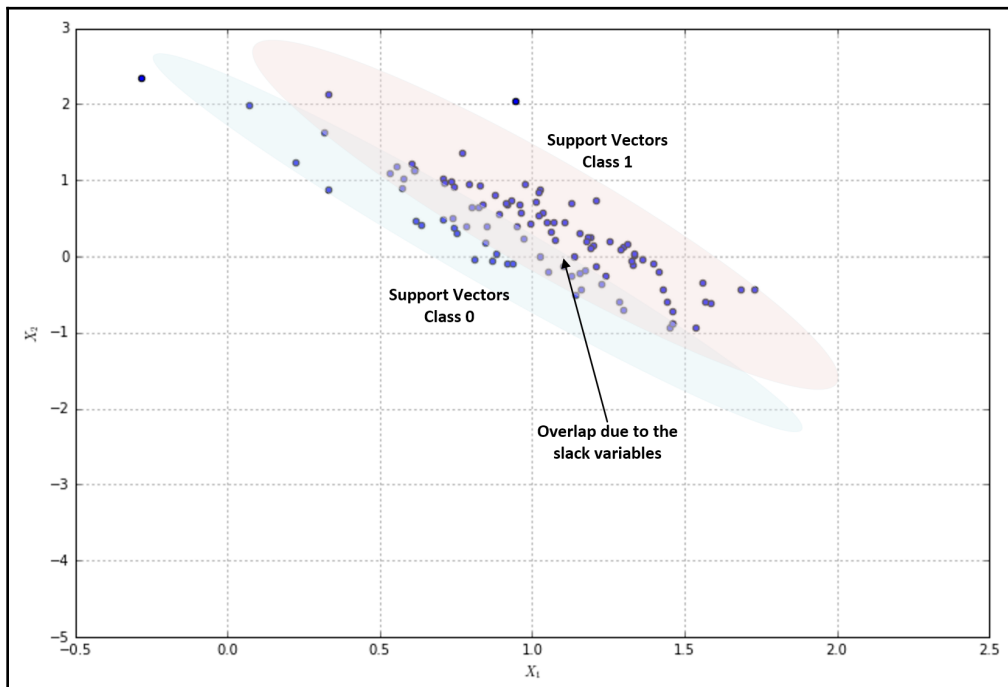
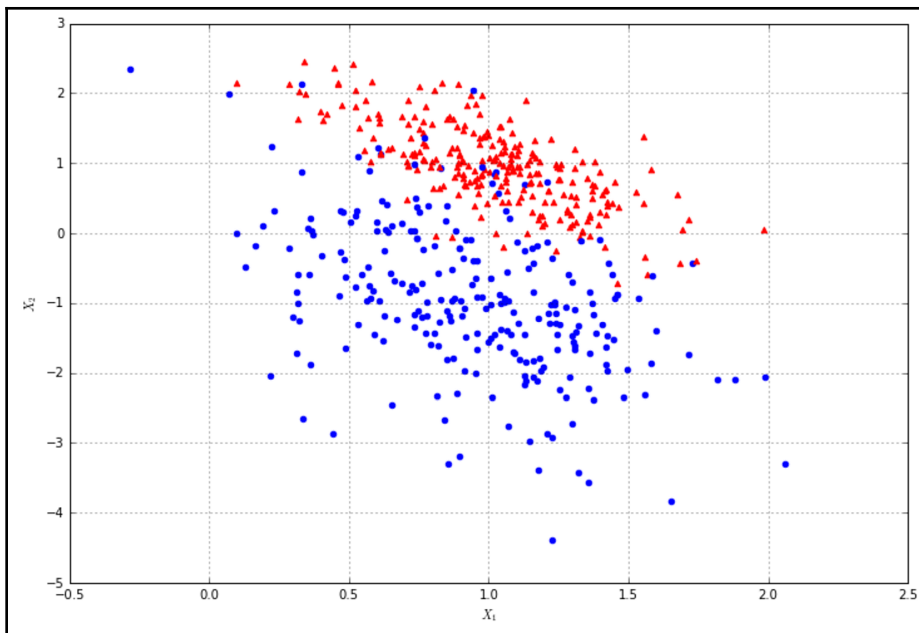


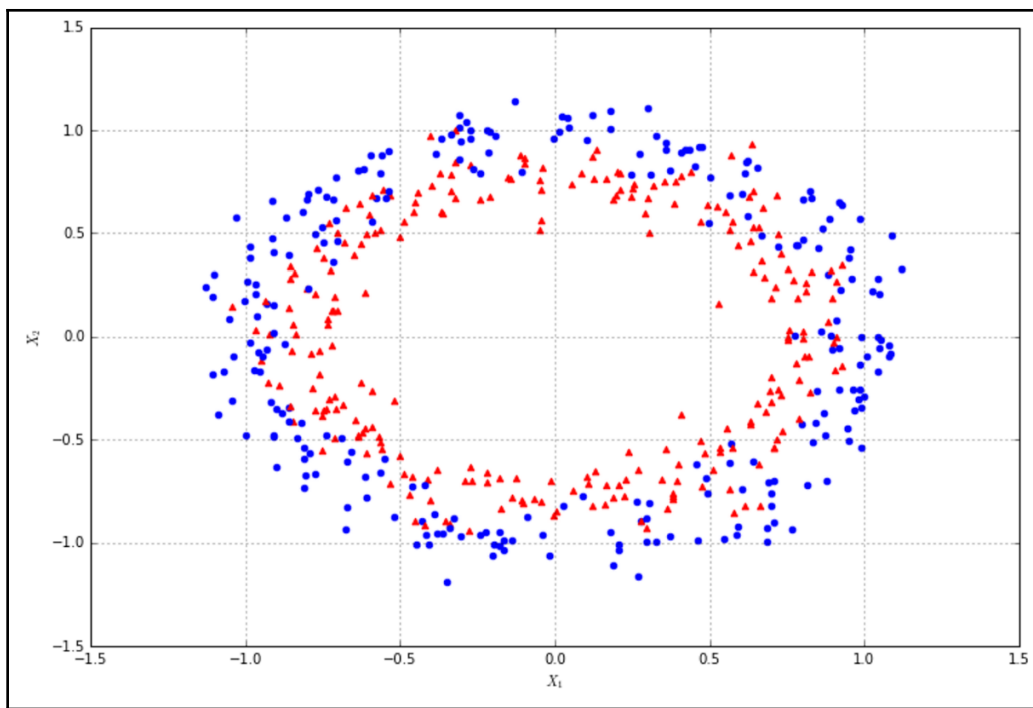
Chapter 07: Support Vector Machines

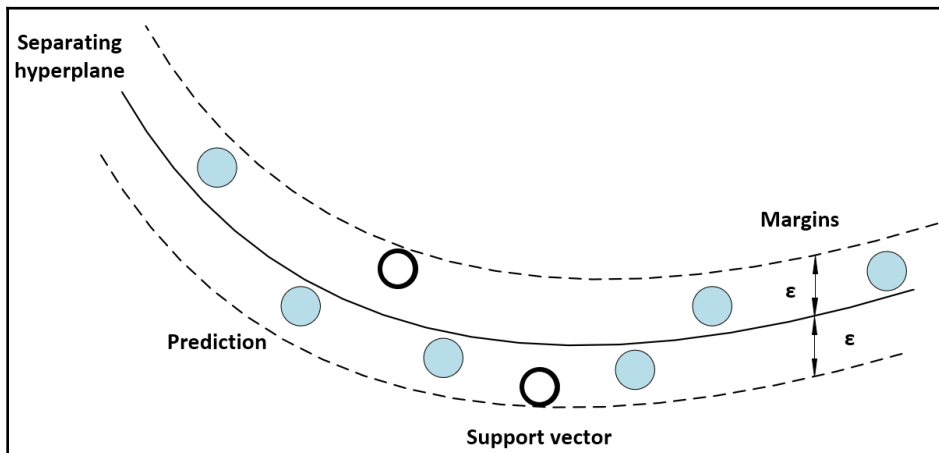
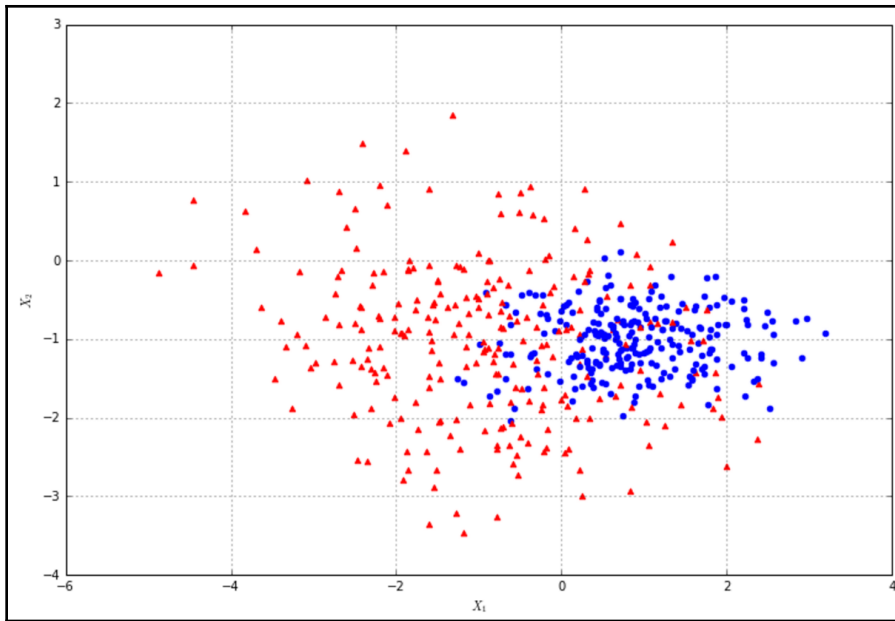


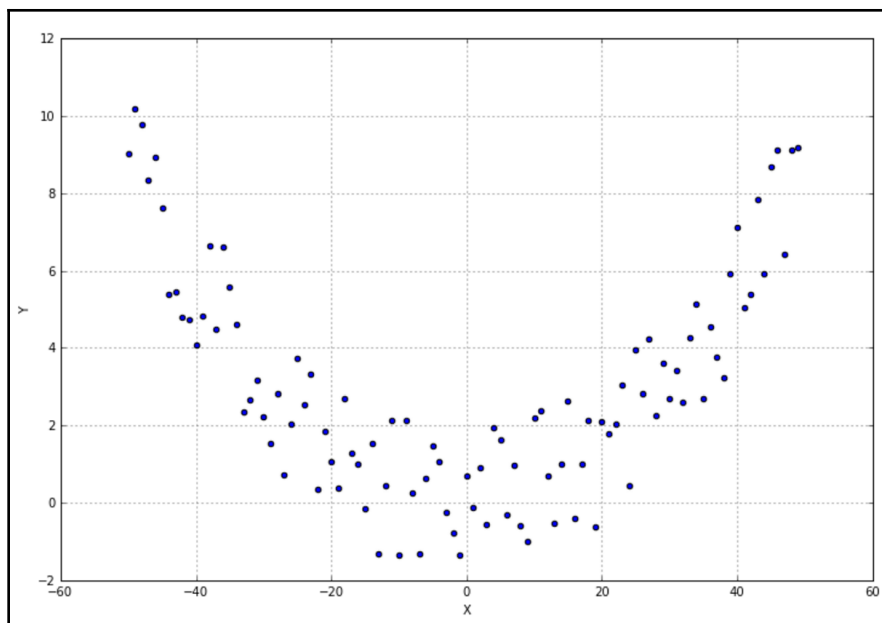


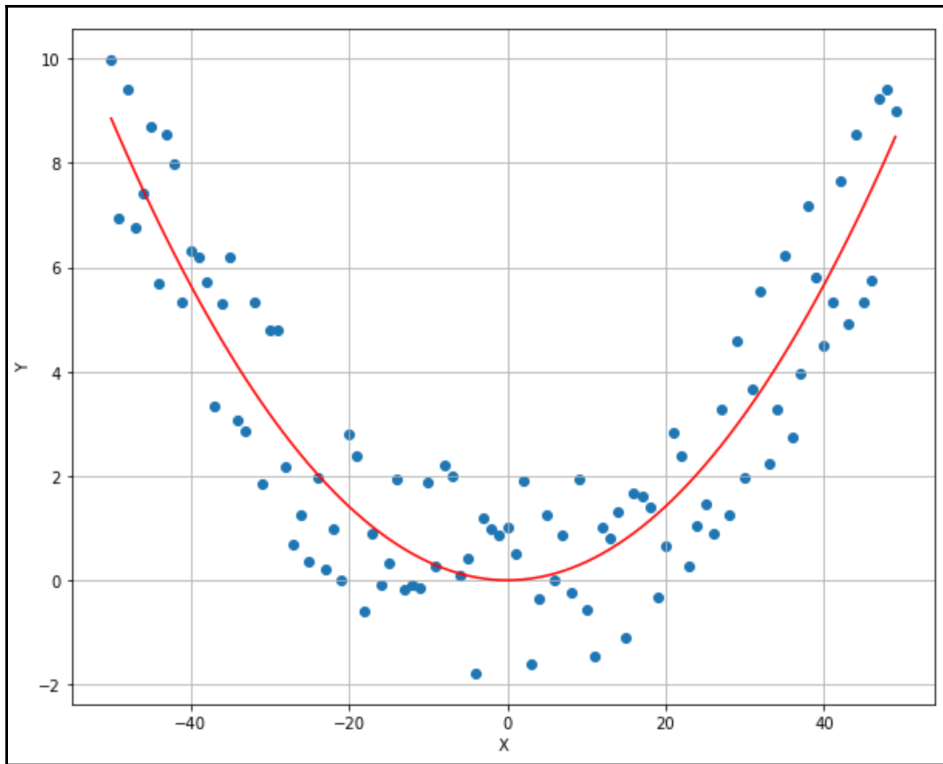




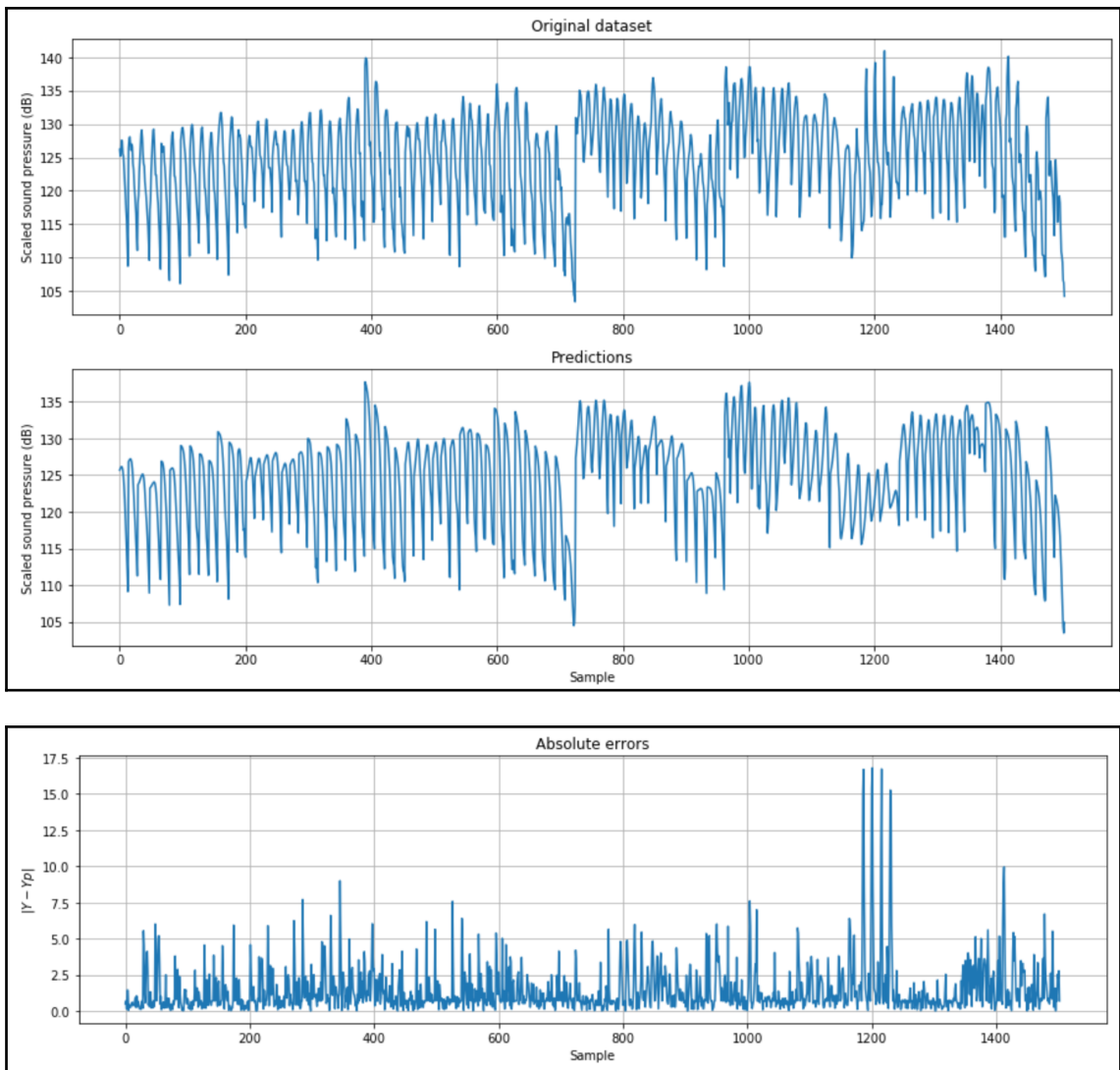


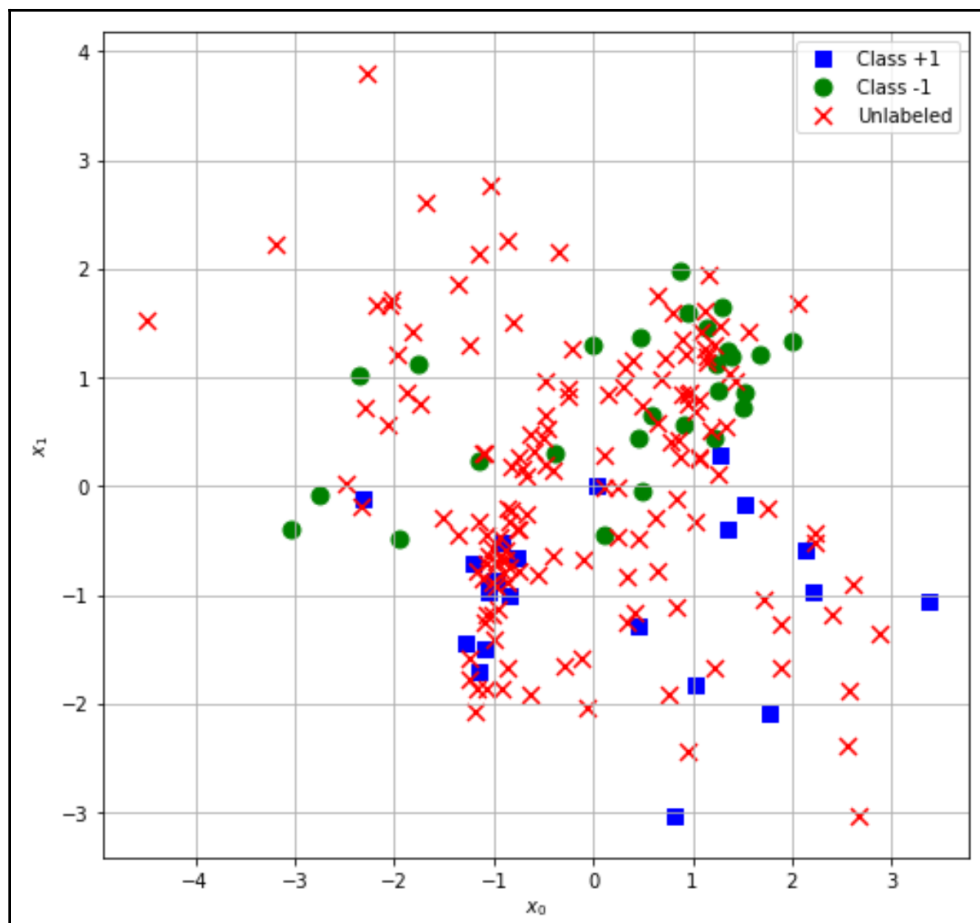


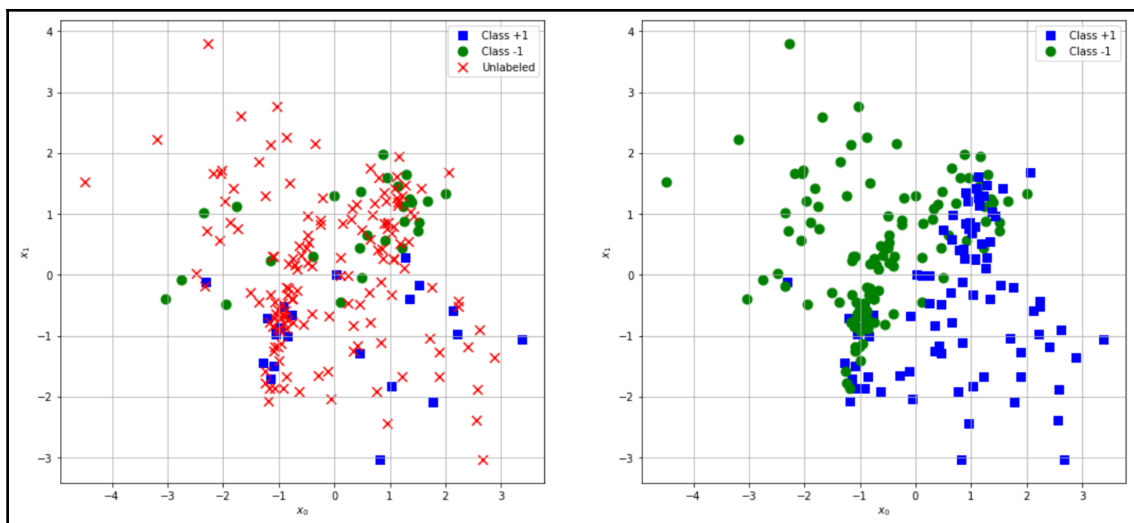




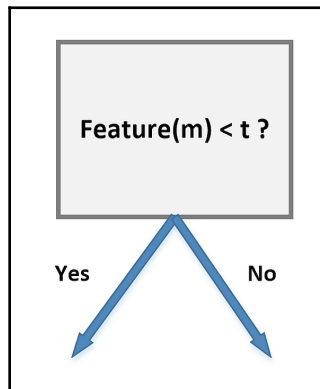
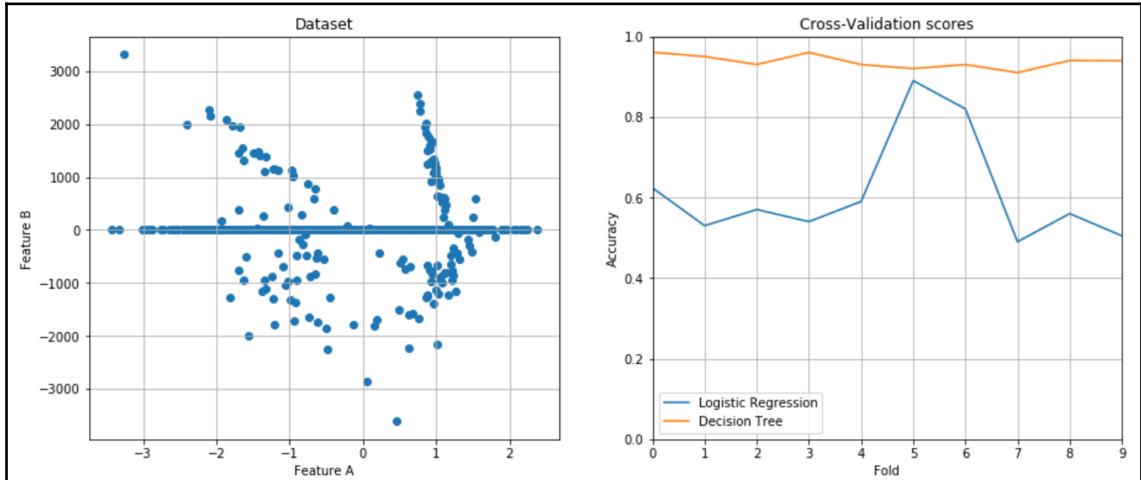
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std	3152.573137	5.918128	0.093541	15.572784	0.013150	6.898657
min	200.000000	0.000000	0.025400	31.700000	0.000401	103.380000
25%	800.000000	2.000000	0.050800	39.600000	0.002535	120.191000
50%	1600.000000	5.400000	0.101600	39.600000	0.004957	125.721000
75%	4000.000000	9.900000	0.228600	71.300000	0.015576	129.995500
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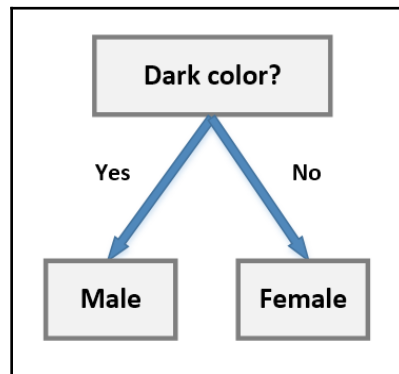
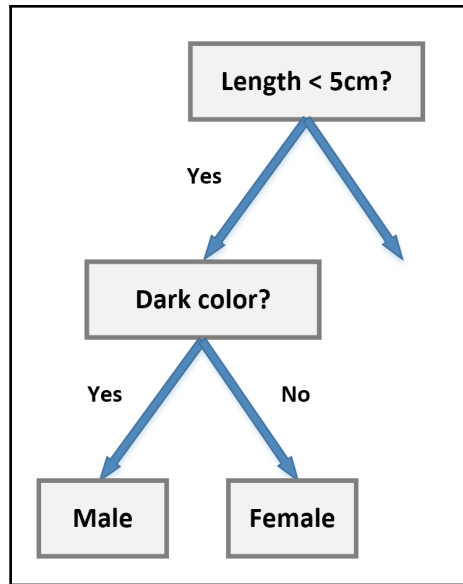


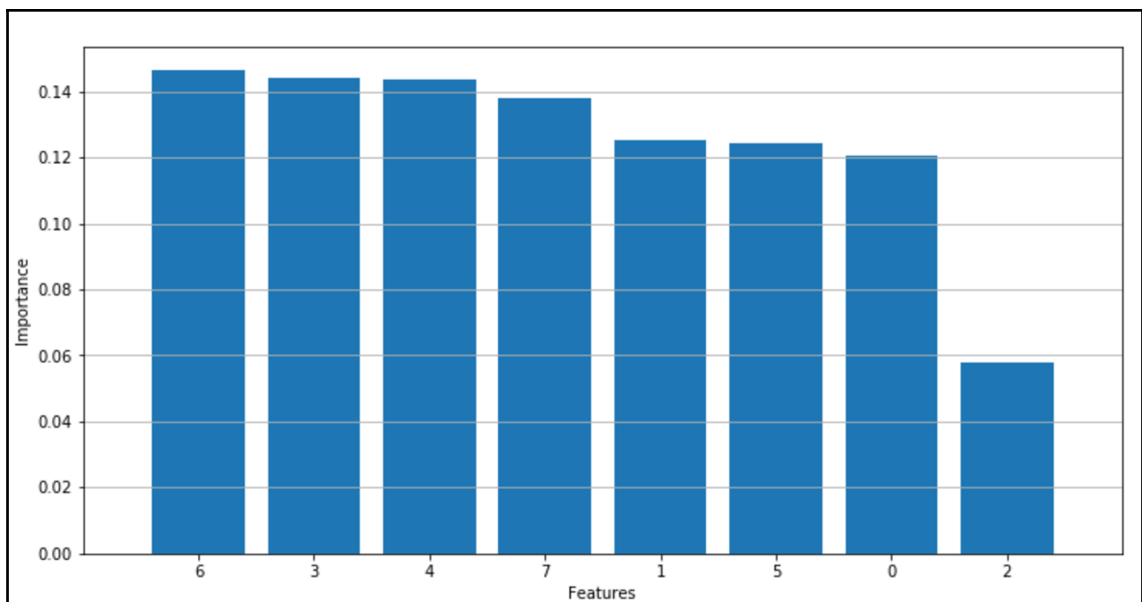
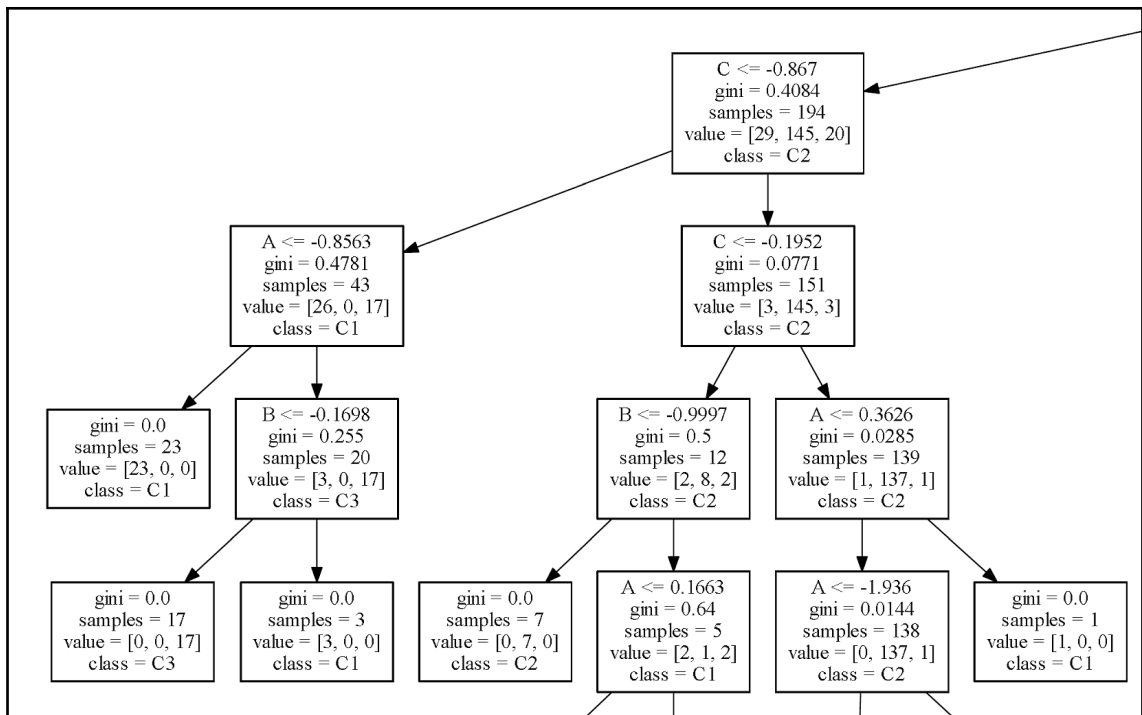


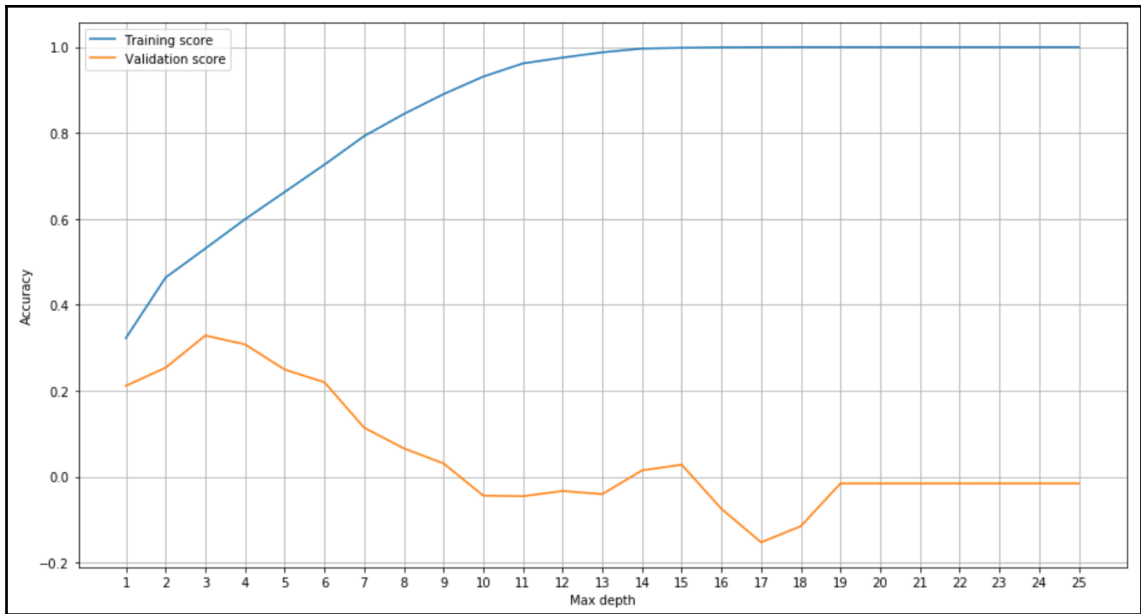


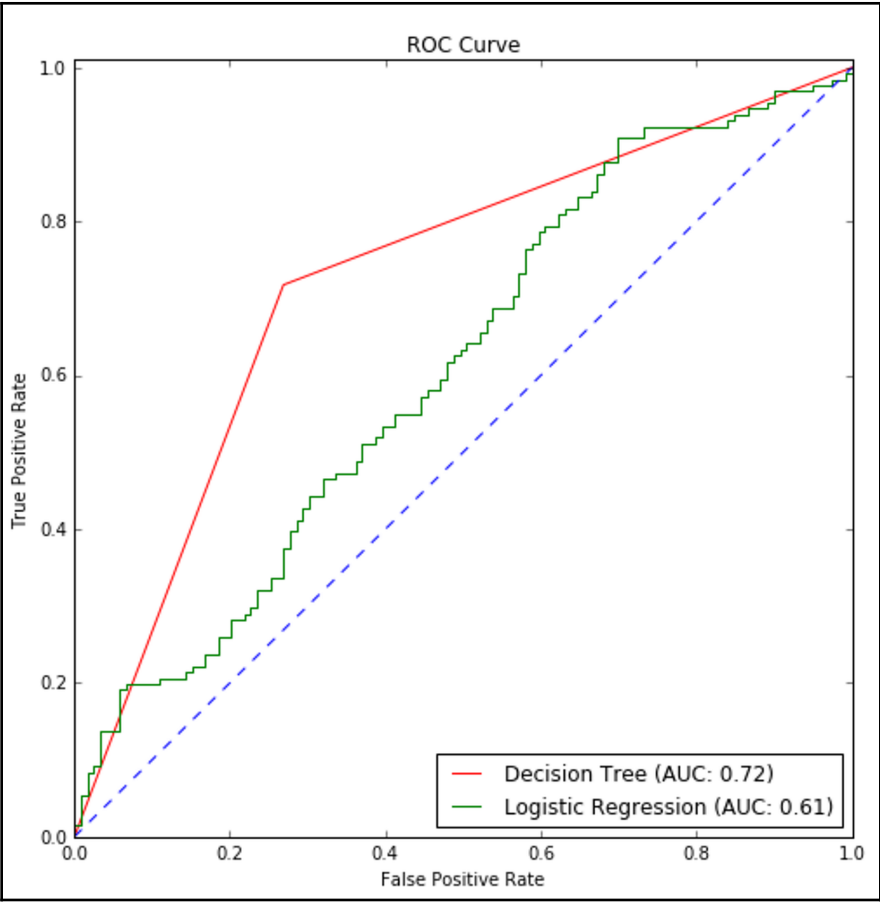
Chapter 08: Decision Trees and Ensemble Learning





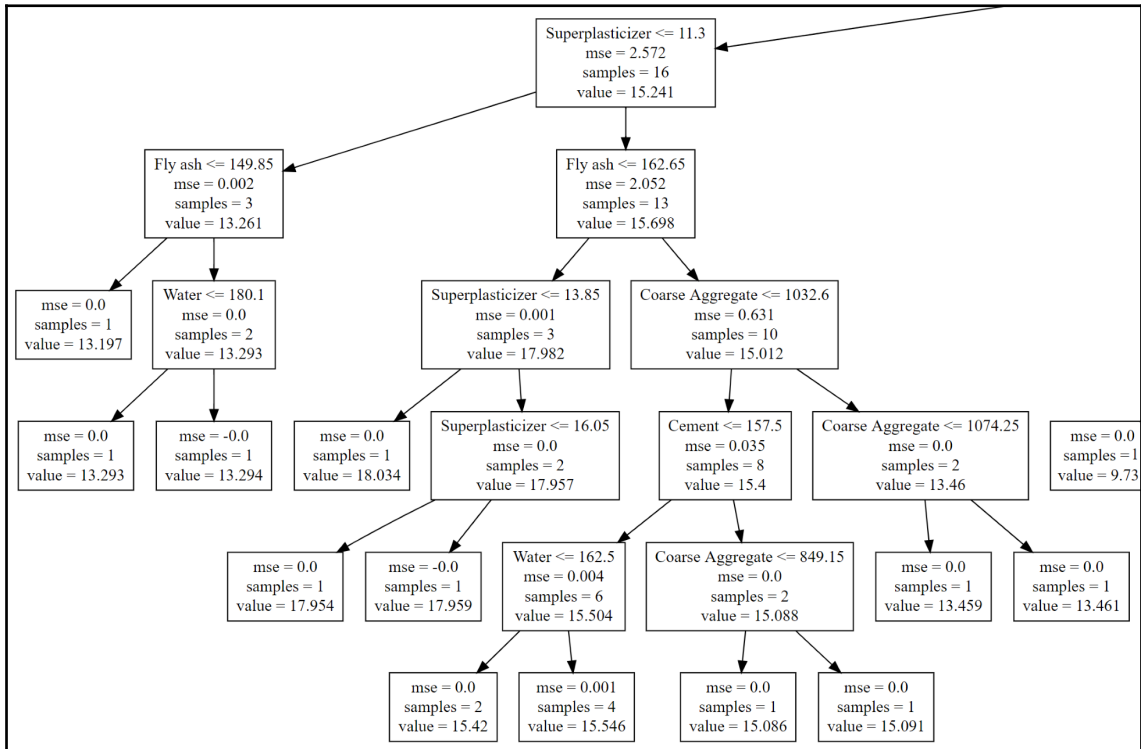


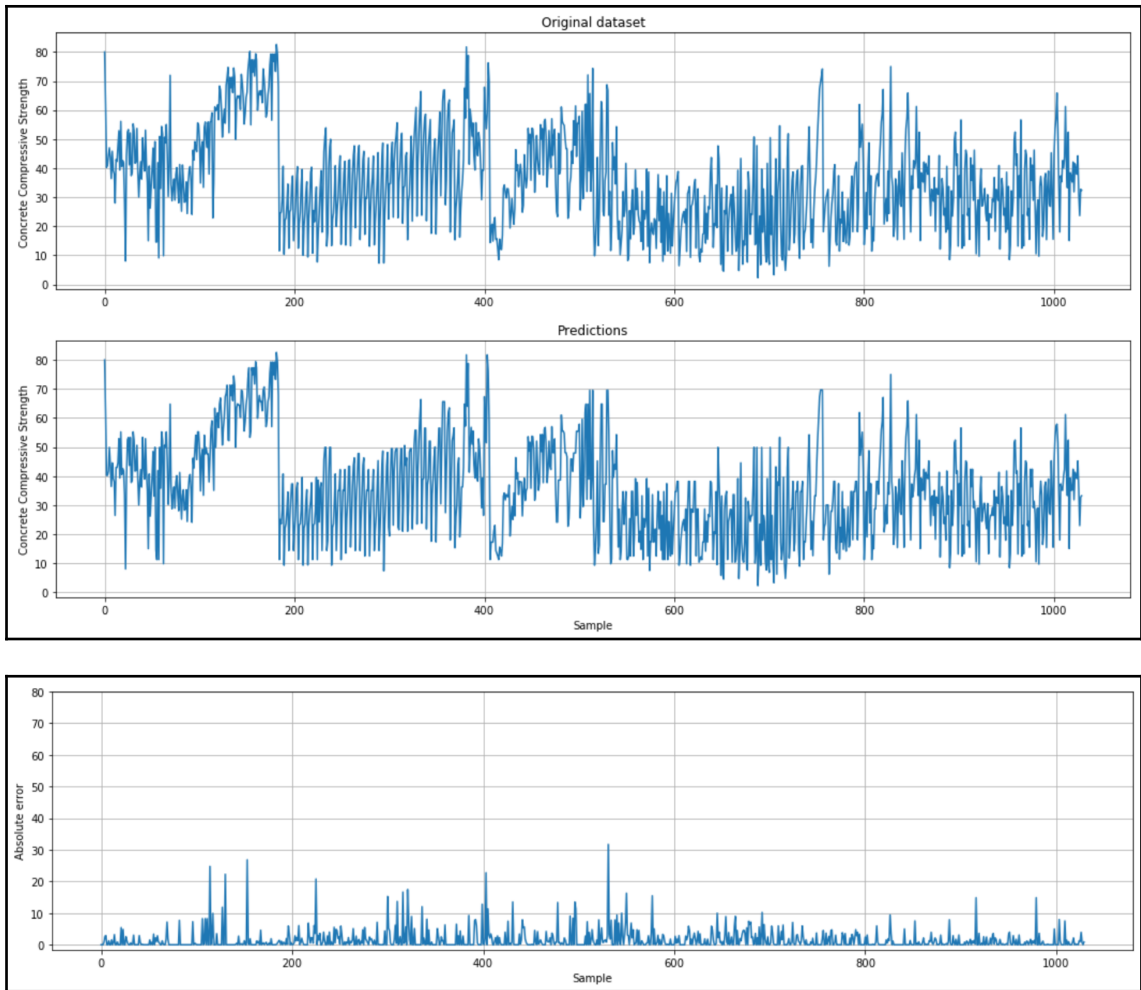


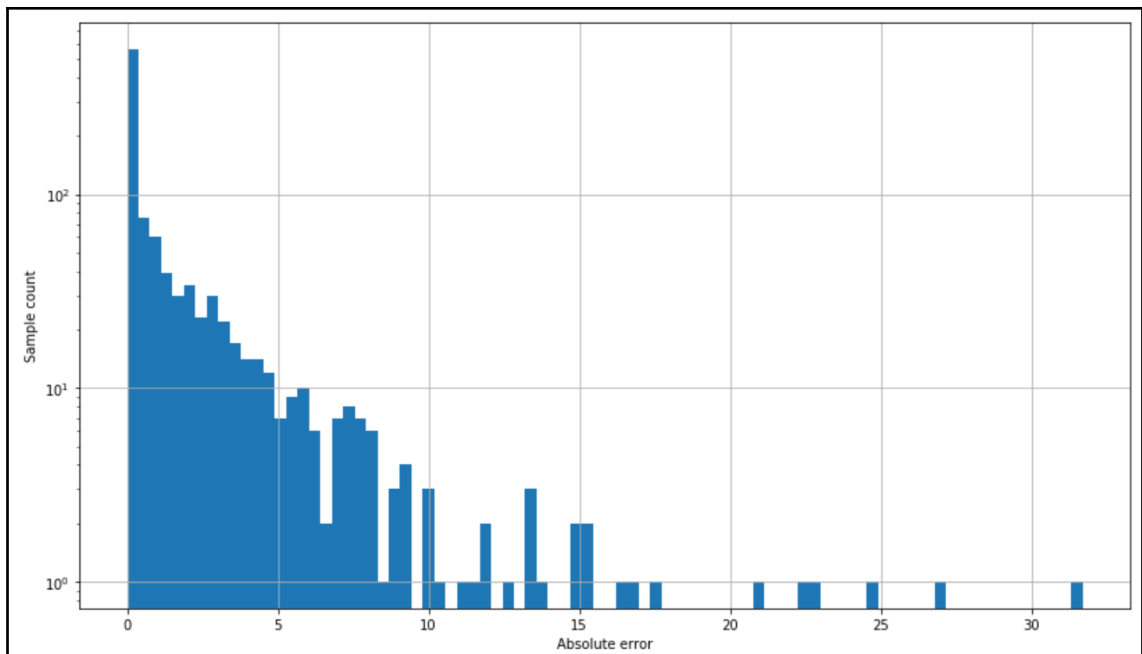


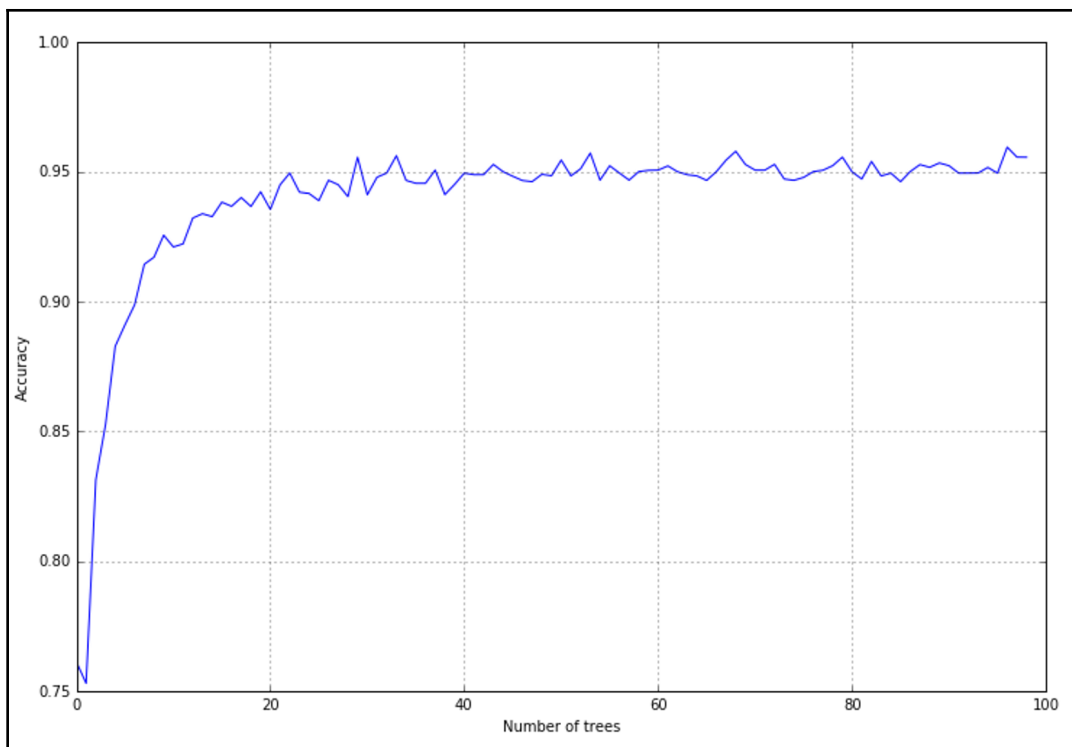
	Cement (component 1)(kg in a m ³ mixture)	Blast Furnace Slag (component 2)(kg in a m ³ mixture)	Fly Ash (component 3)(kg in a m ³ mixture)	Water (component 4)(kg in a m ³ mixture)	Superplasticizer (component 5) (kg in a m ³ mixture)	Coarse Aggregate (component 6)(kg in a m ³ mixture)	Fine Aggregate (component 7) (kg in a m ³ mixture)	Age (day)	Concrete compressive strength(MPa, megapascals)
0	540.0	0.0	0.0	162.0	2.5	1040.0	676.0	28	79.986111
1	540.0	0.0	0.0	162.0	2.5	1055.0	676.0	28	61.887366
2	332.5	142.5	0.0	228.0	0.0	932.0	594.0	270	40.269535
3	332.5	142.5	0.0	228.0	0.0	932.0	594.0	365	41.052780
4	198.6	132.4	0.0	192.0	0.0	978.4	825.5	360	44.296075

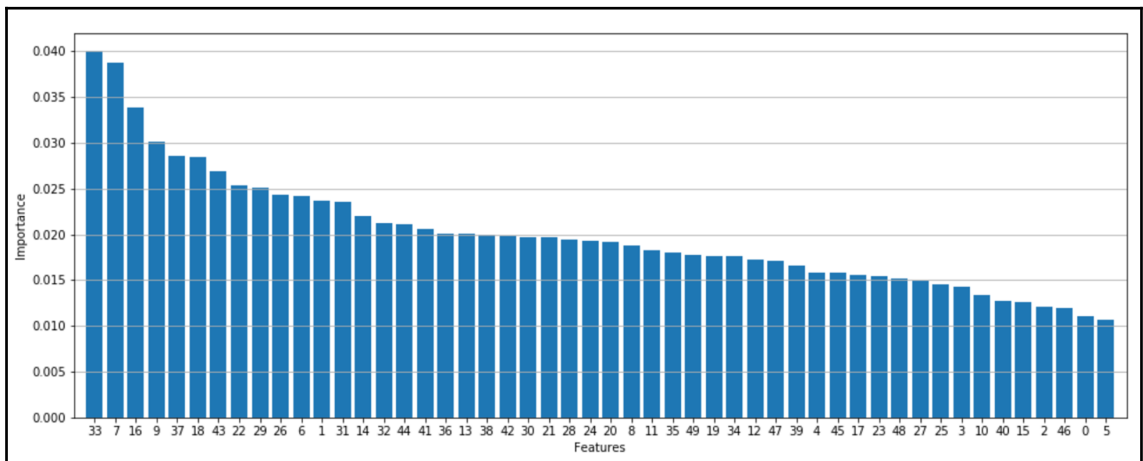
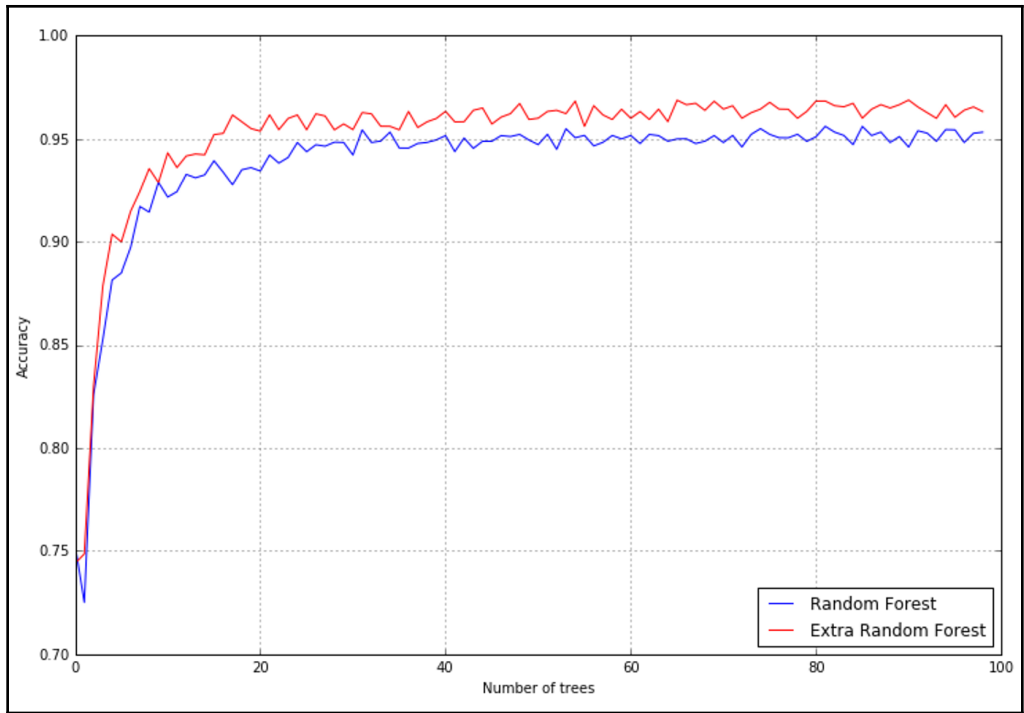
	Cement (component 1)(kg in a m ³ mixture)	Blast Furnace Slag (component 2) (kg in a m ³ mixture)	Fly Ash (component 3)(kg in a m ³ mixture)	Water (component 4)(kg in a m ³ mixture)	Superplasticizer (component 5) (kg in a m ³ mixture)	Coarse Aggregate (component 6) (kg in a m ³ mixture)	Fine Aggregate (component 7) (kg in a m ³ mixture)	Age (day)	Concrete compressive strength(MPa, megapascals)
count	1030.000000	1030.000000	1030.000000	1030.000000	1030.000000	1030.000000	1030.000000	1030.000000	1030.000000
mean	281.165631	73.895485	54.187136	181.566359	6.203112	972.918592	773.578883	45.662136	35.817836
std	104.507142	86.279104	63.996469	21.355567	5.973492	77.753818	80.175427	63.169912	16.705679
min	102.000000	0.000000	0.000000	121.750000	0.000000	801.000000	594.000000	1.000000	2.331808
25%	192.375000	0.000000	0.000000	164.900000	0.000000	932.000000	730.950000	7.000000	23.707115
50%	272.900000	22.000000	0.000000	185.000000	6.350000	968.000000	779.510000	28.000000	34.442774
75%	350.000000	142.950000	118.270000	192.000000	10.160000	1029.400000	824.000000	56.000000	46.136287
max	540.000000	359.400000	200.100000	247.000000	32.200000	1145.000000	992.600000	365.000000	82.599225

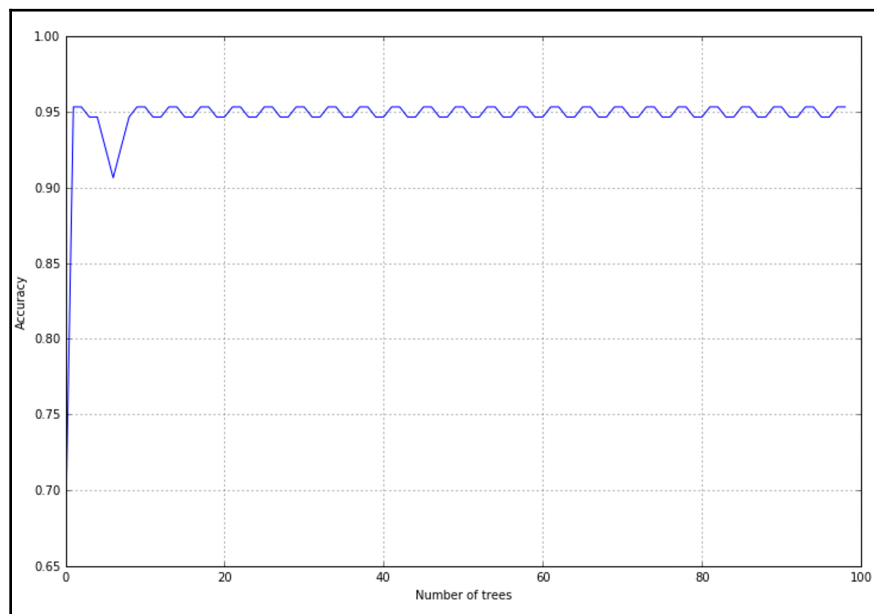
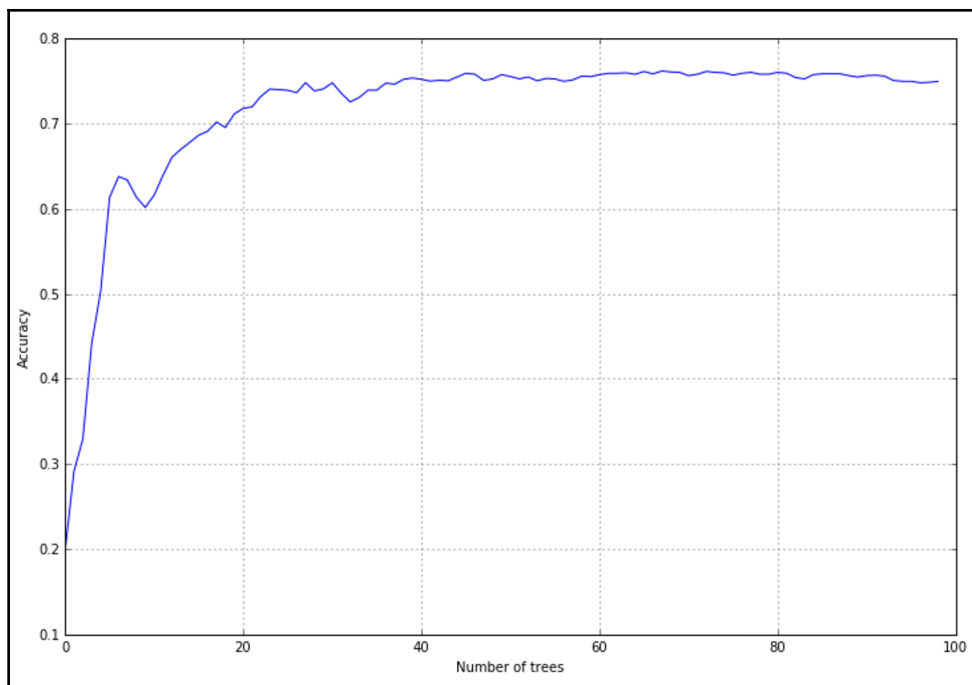


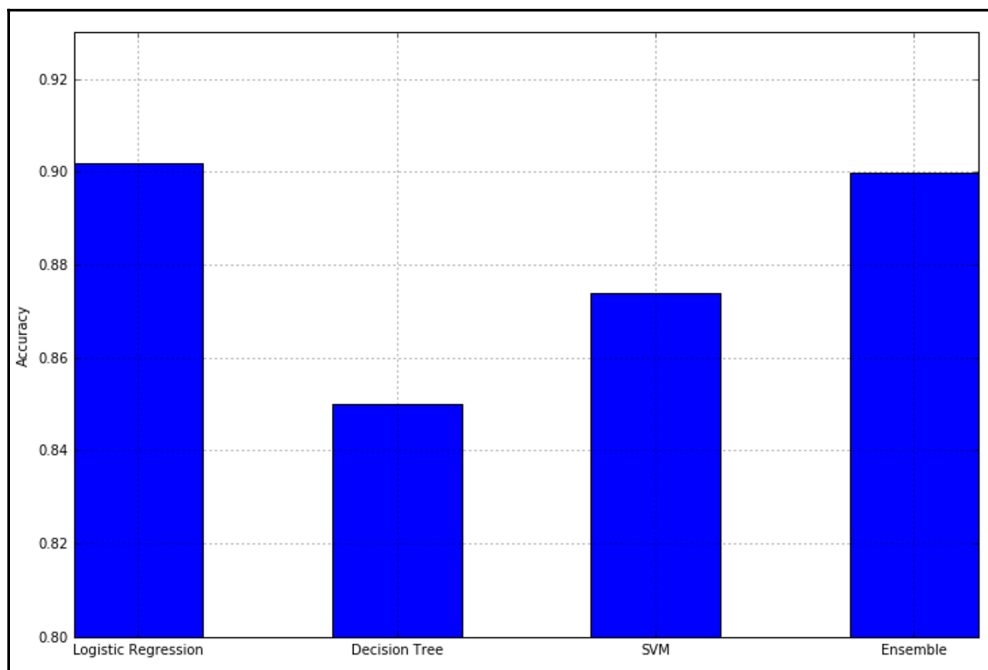
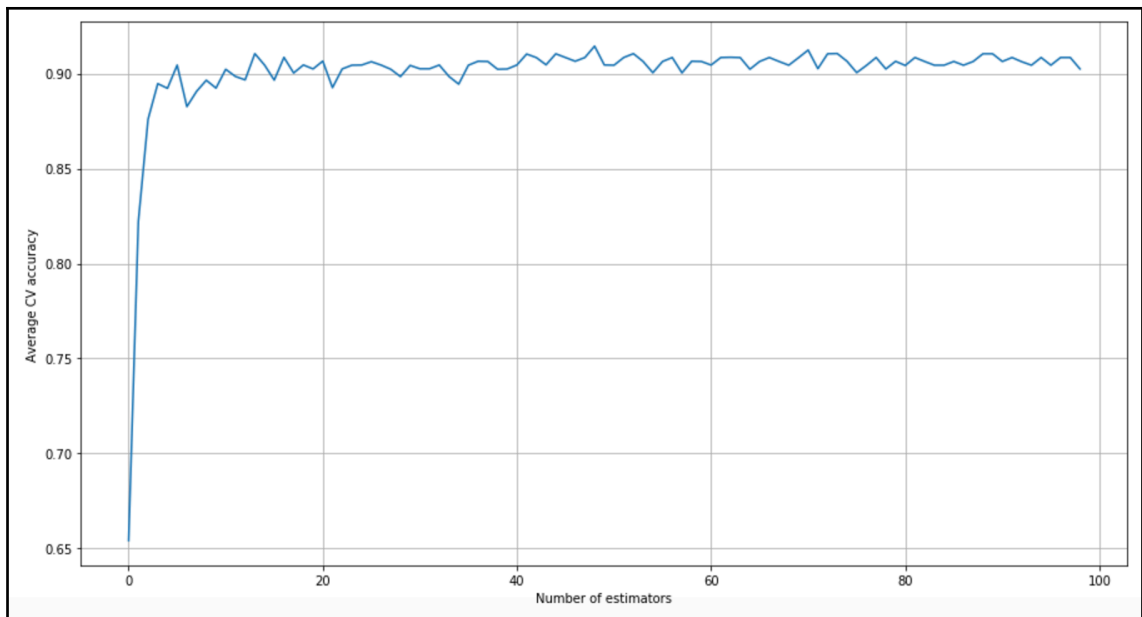




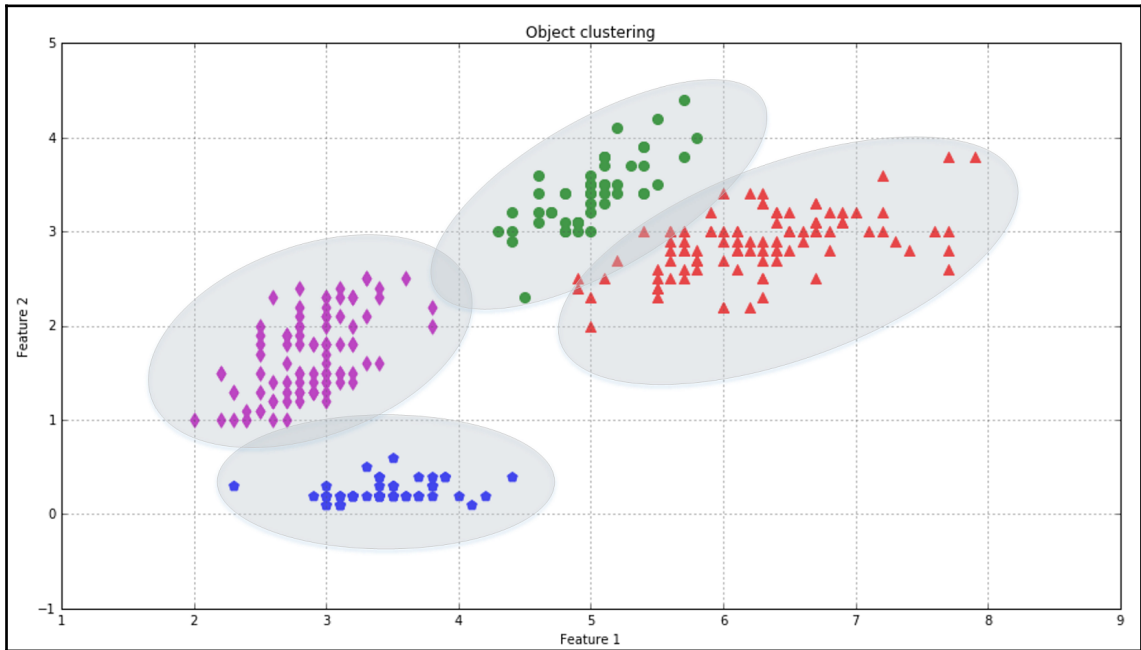


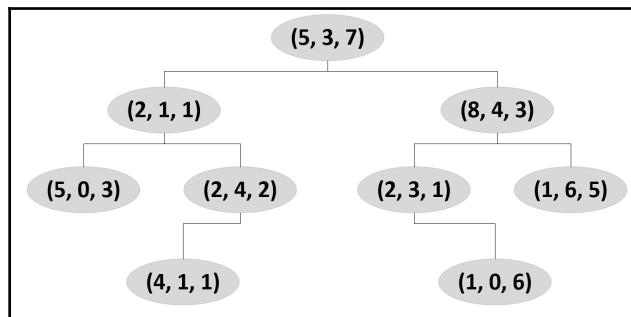
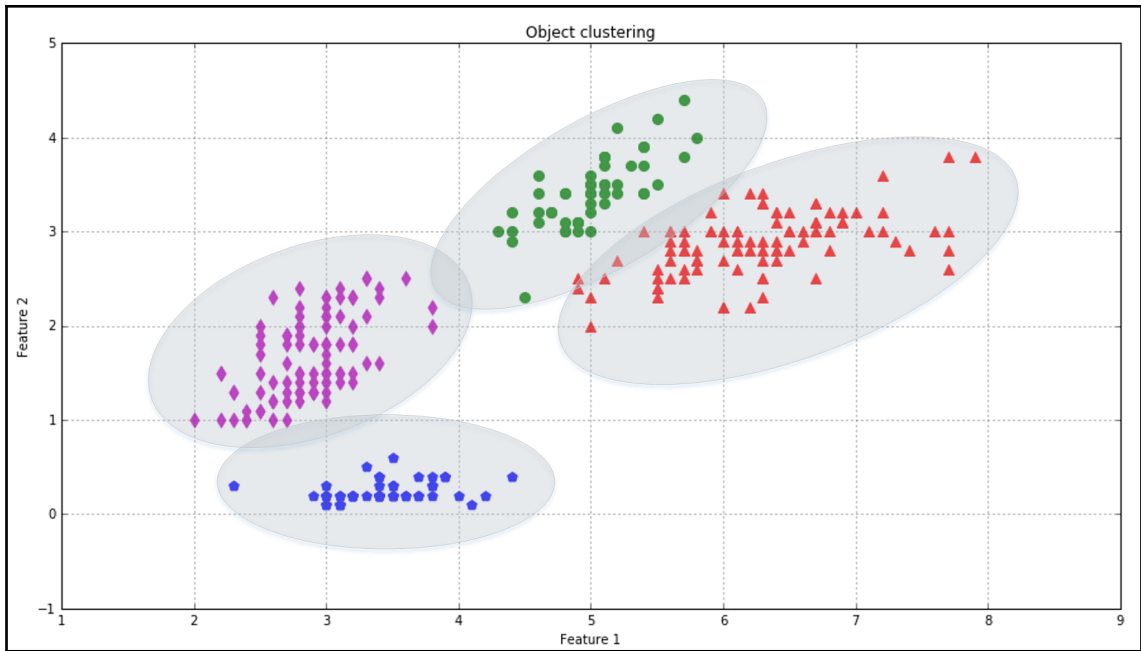


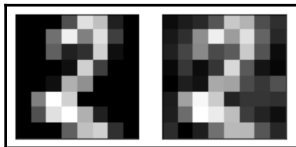
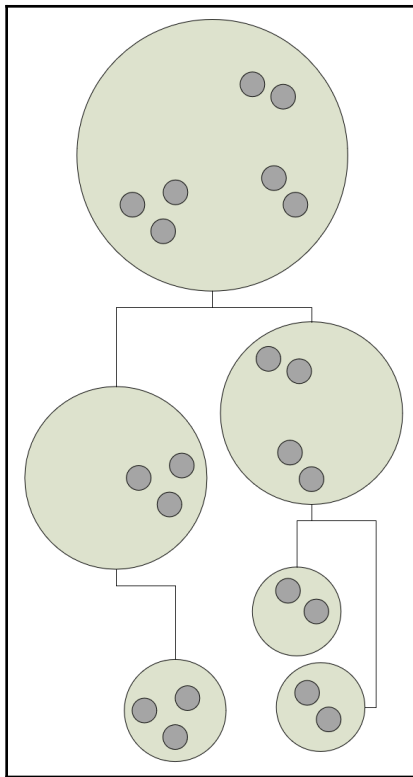


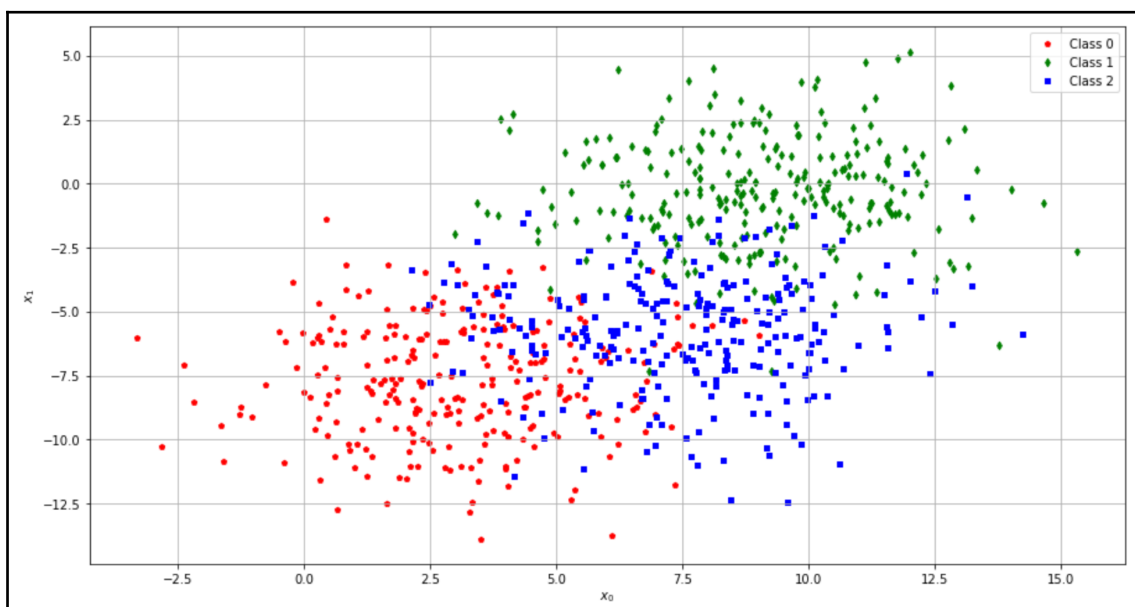
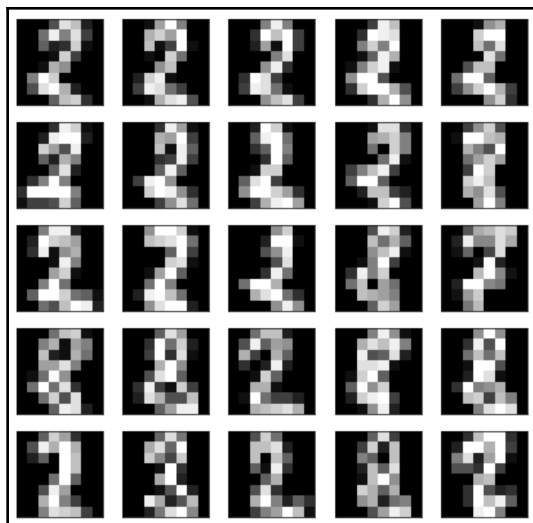


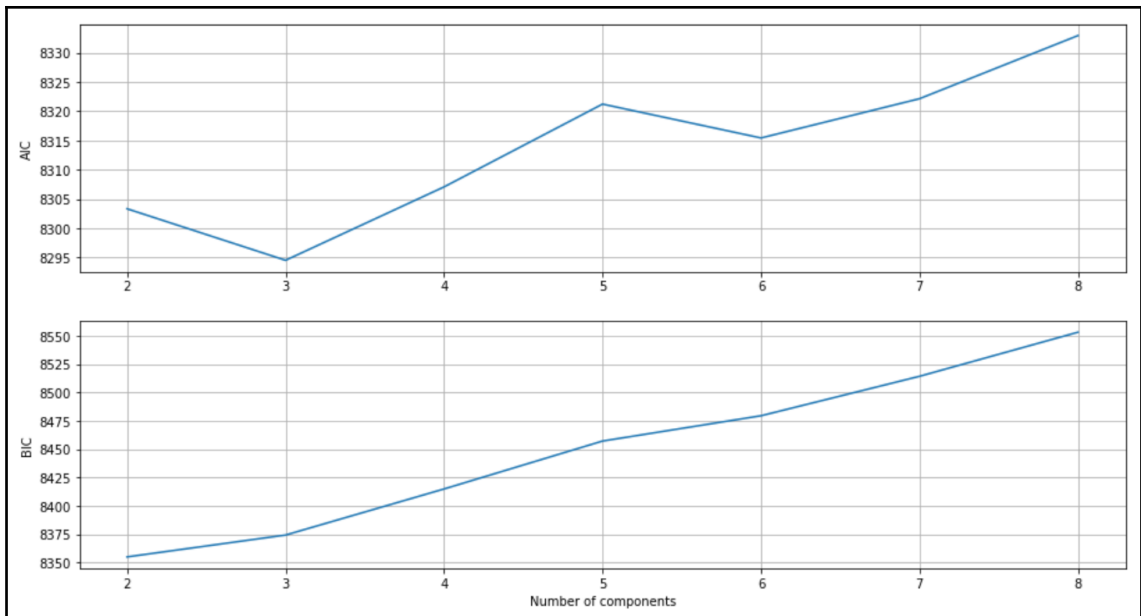
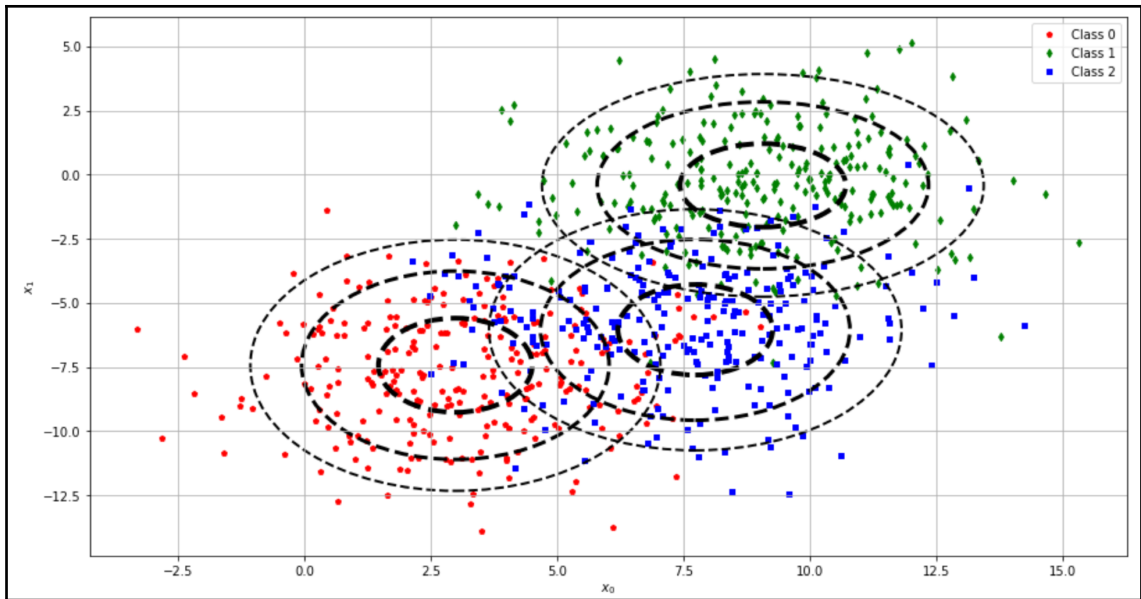
Chapter 09: Clustering Fundamentals

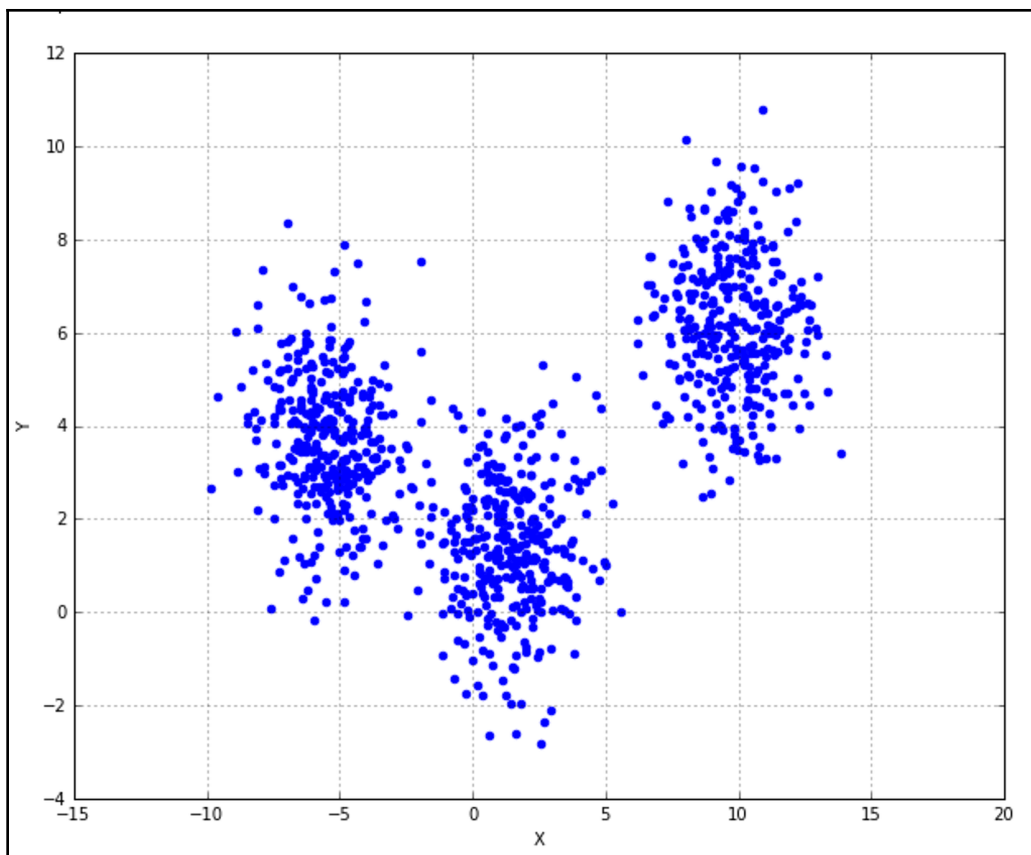


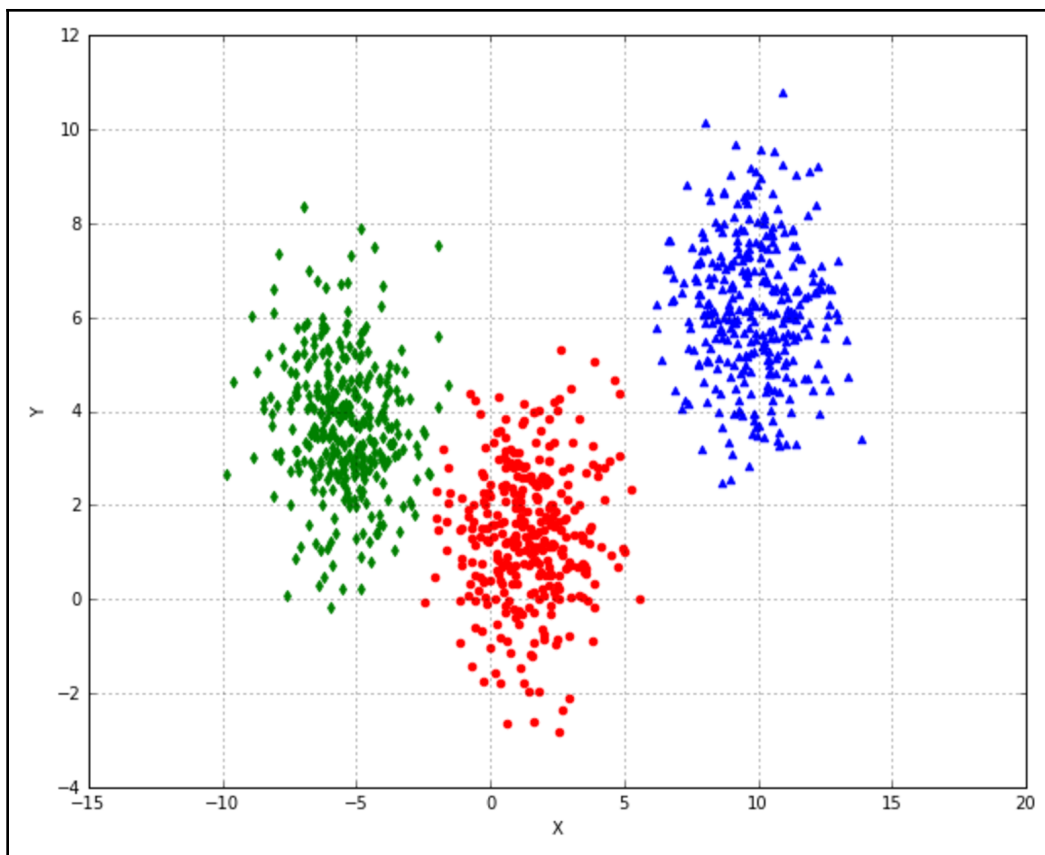


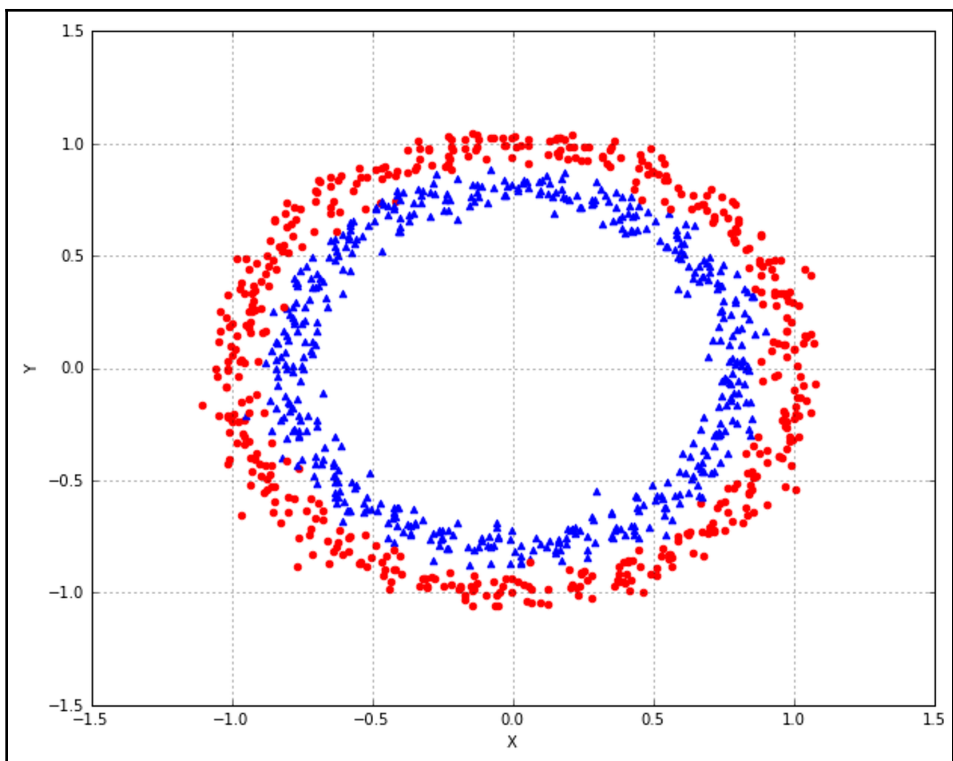


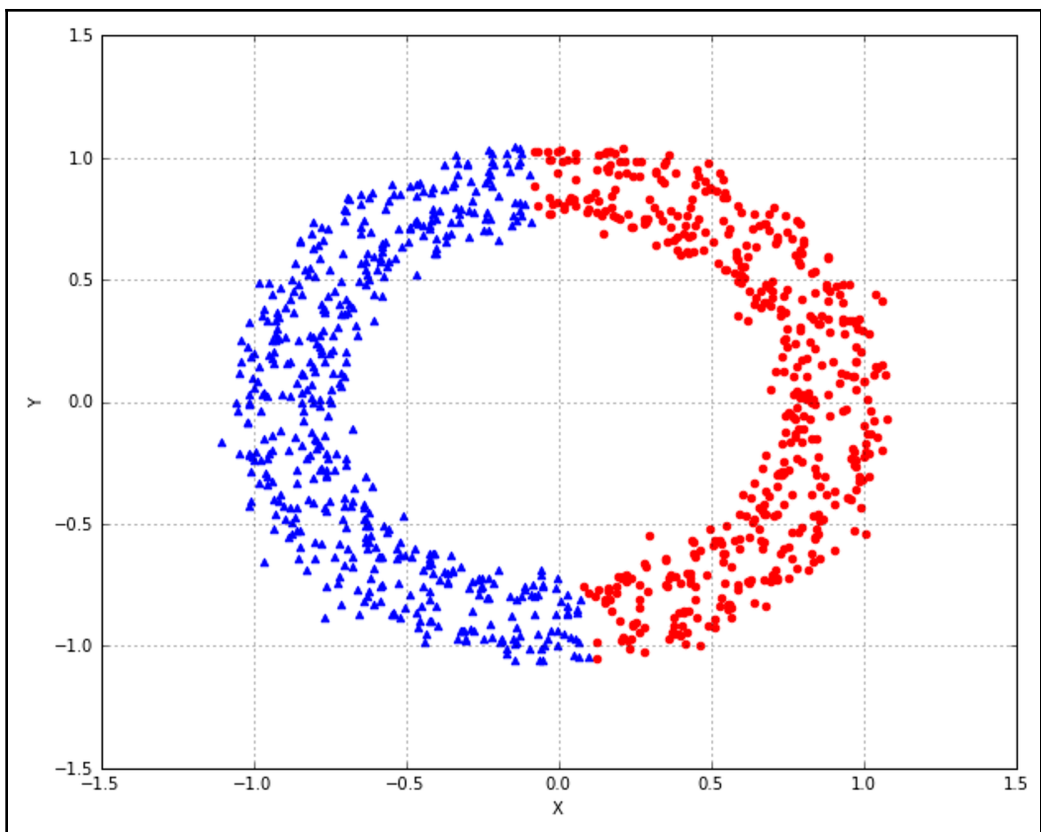


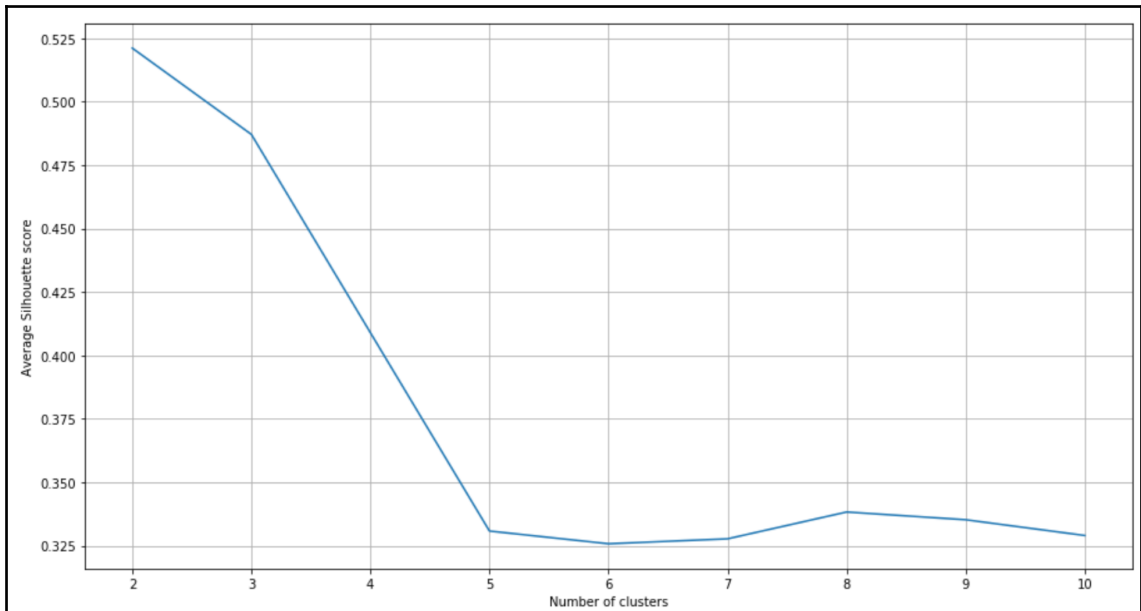
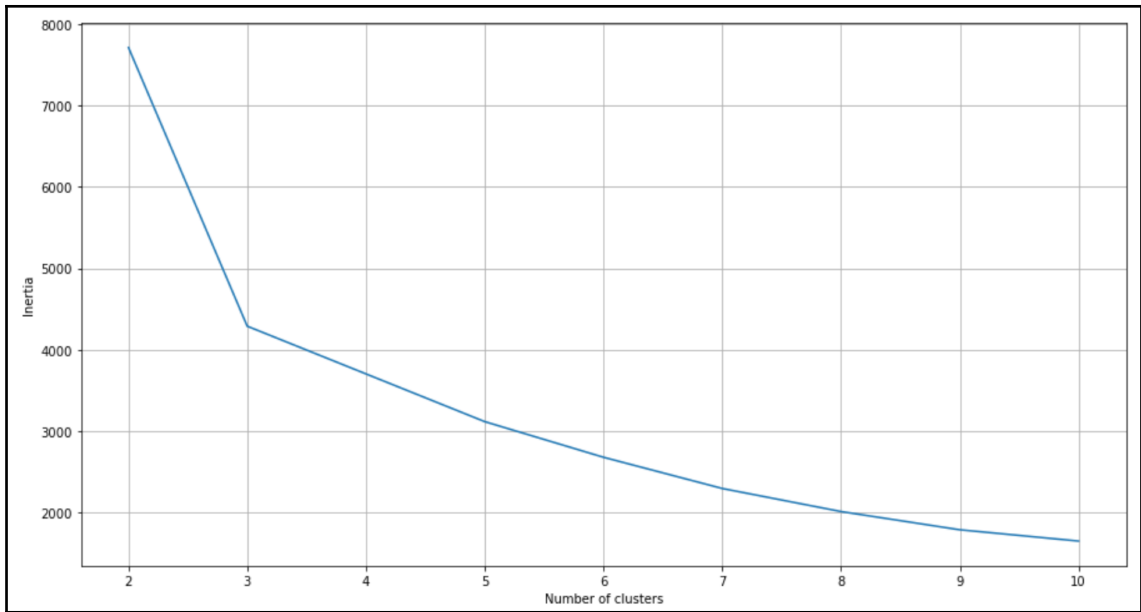


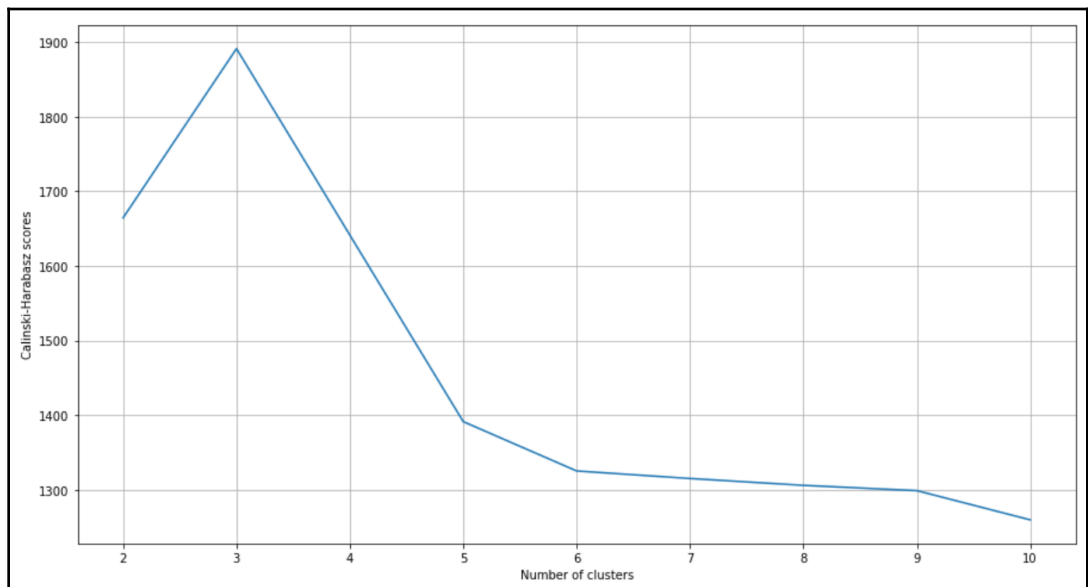
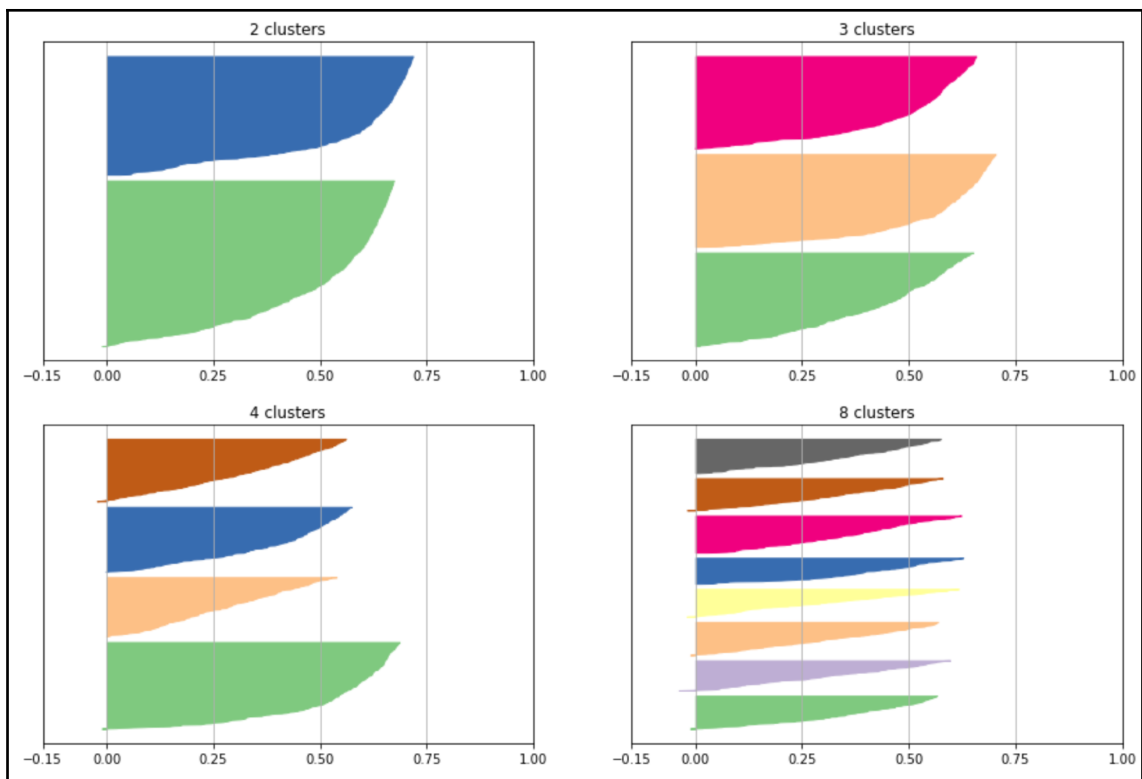


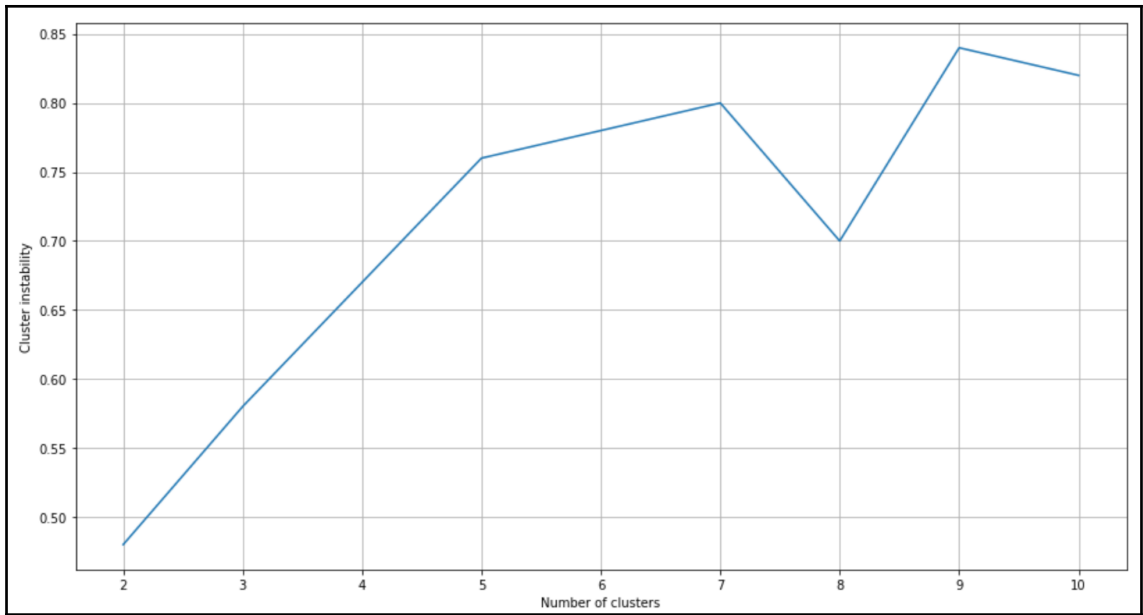




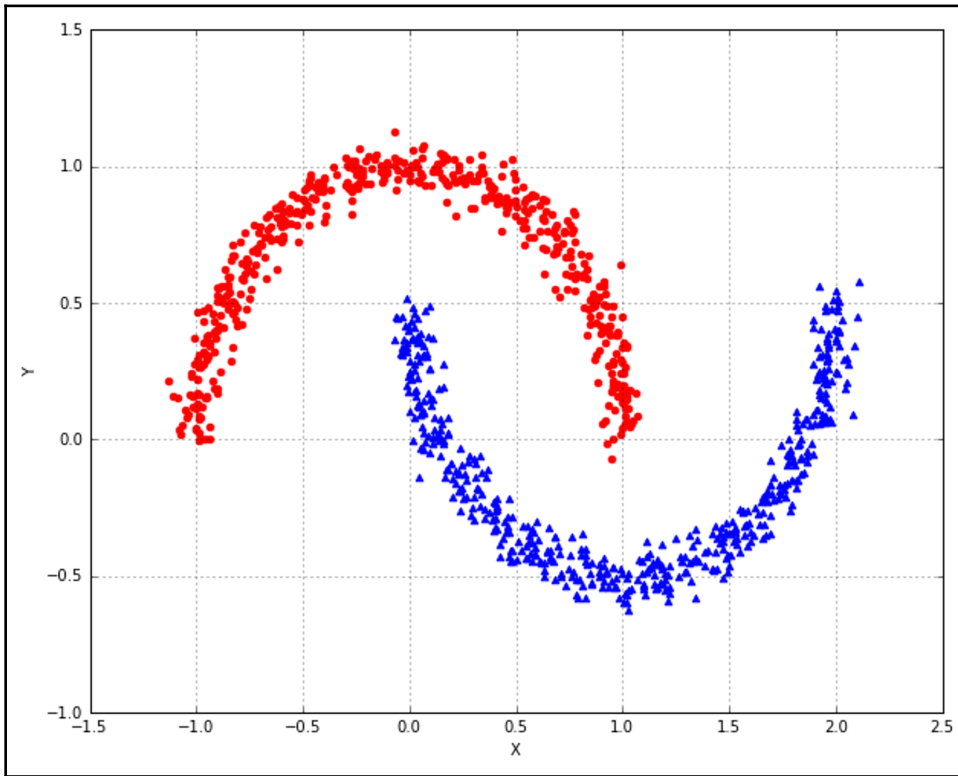


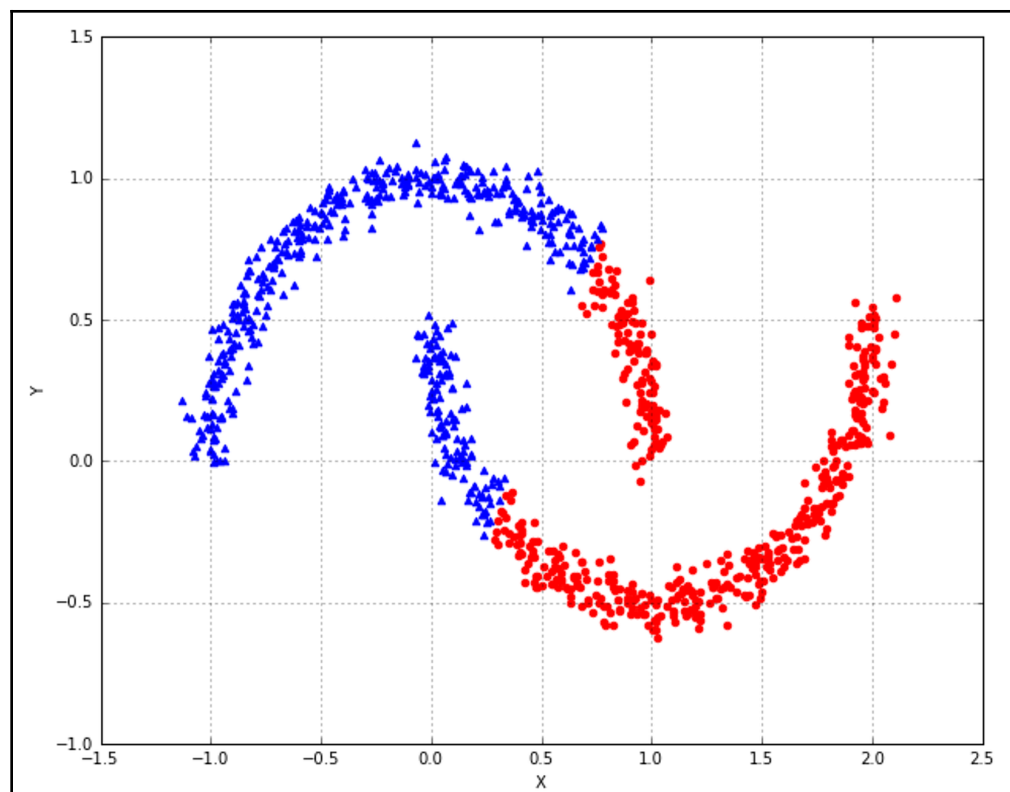


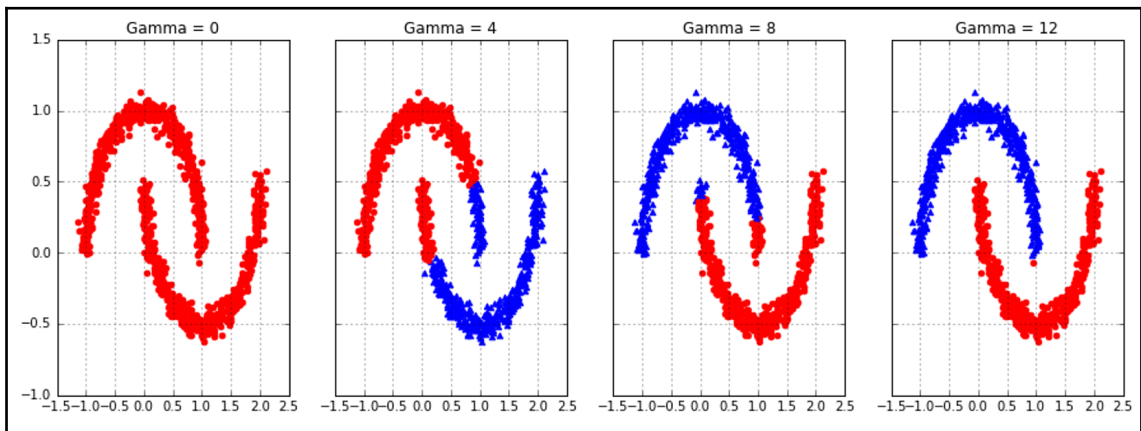
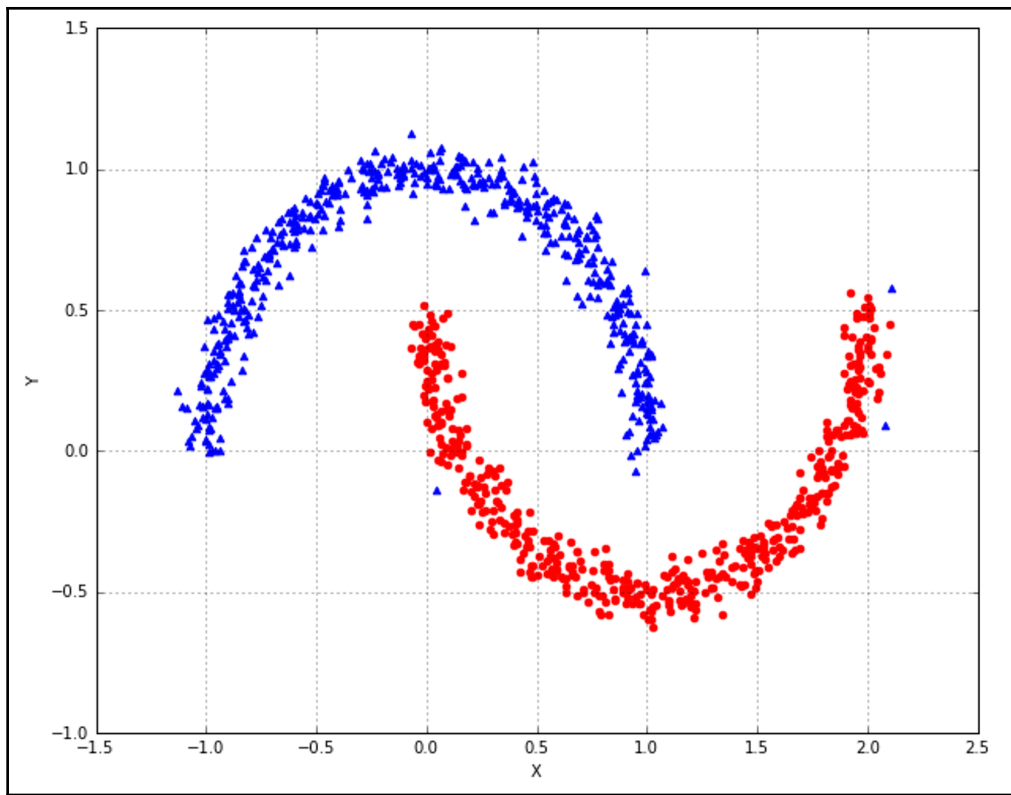


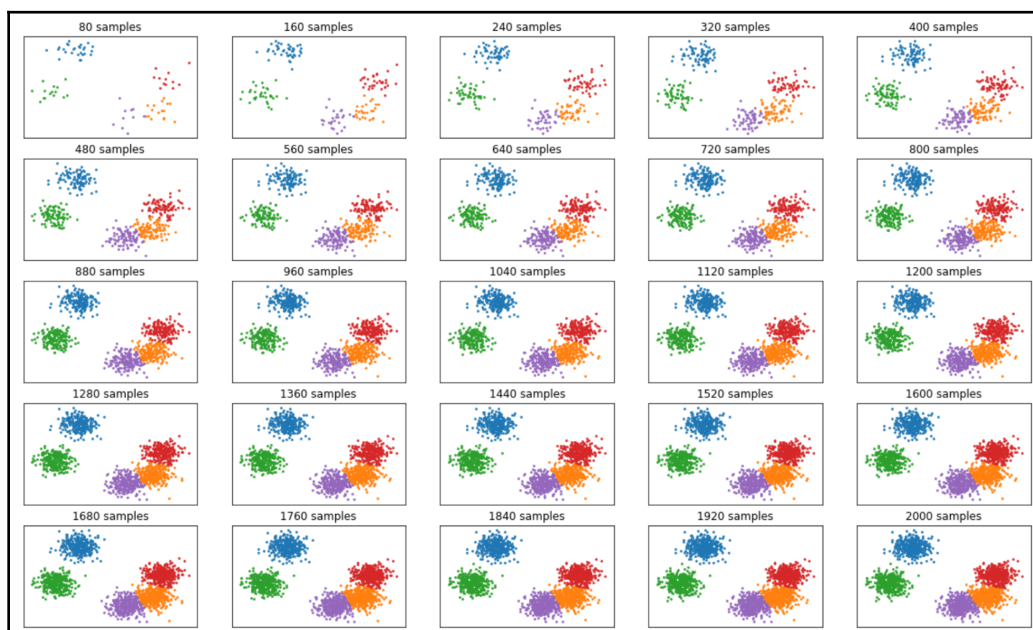
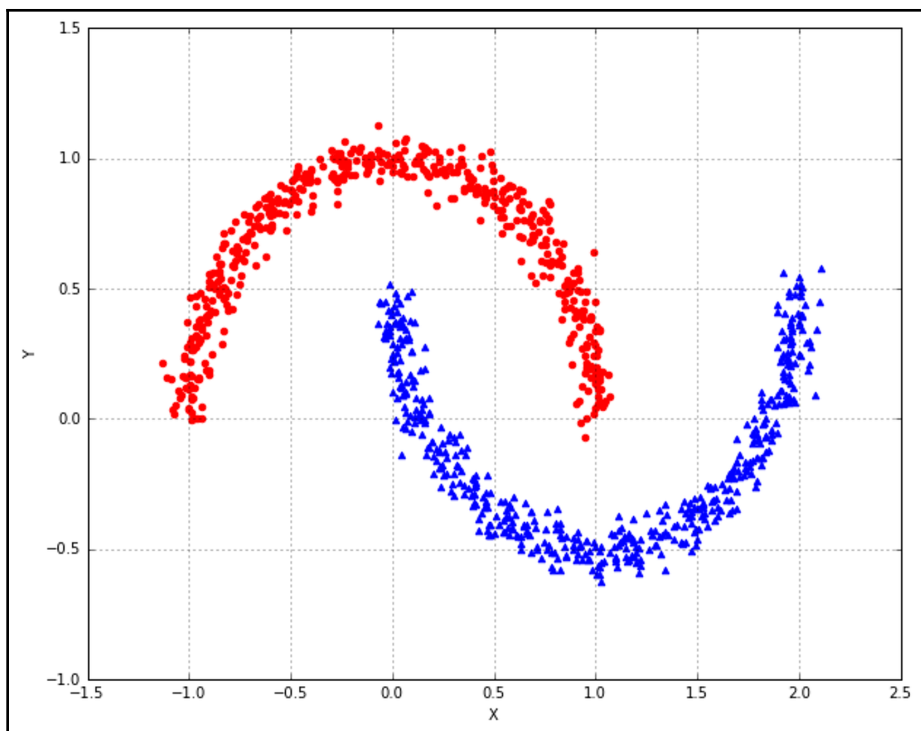


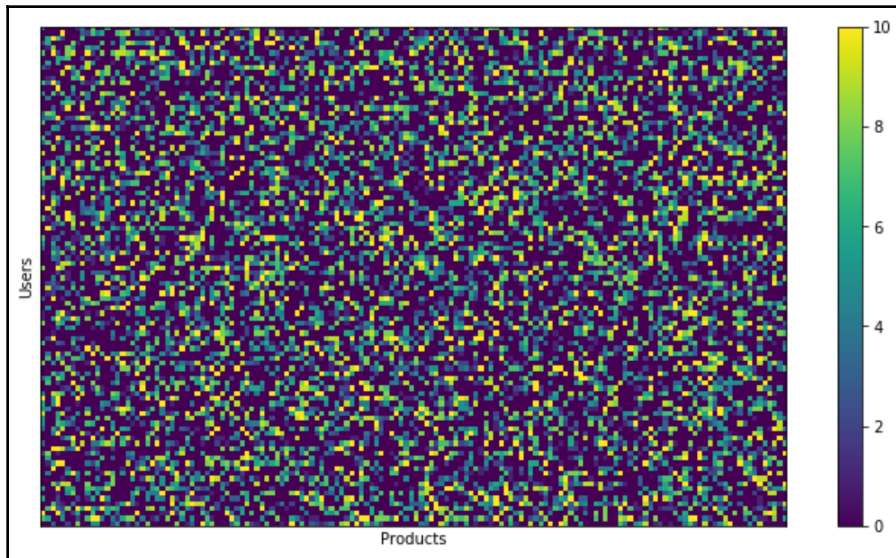
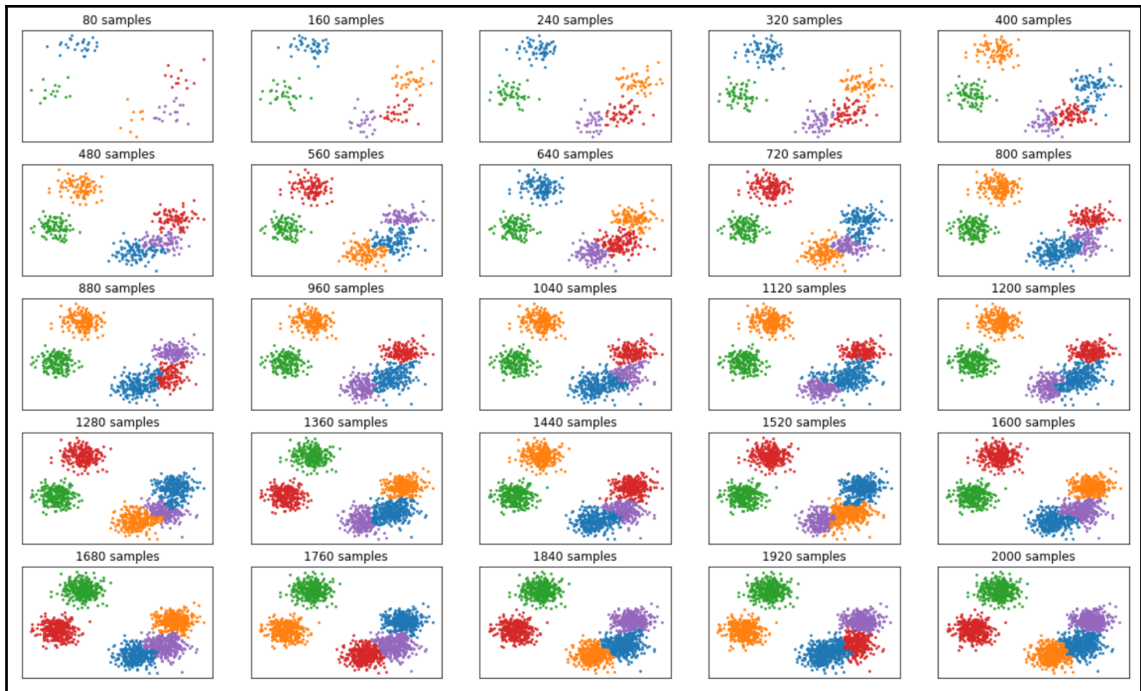
Chapter 10: Advanced Clustering

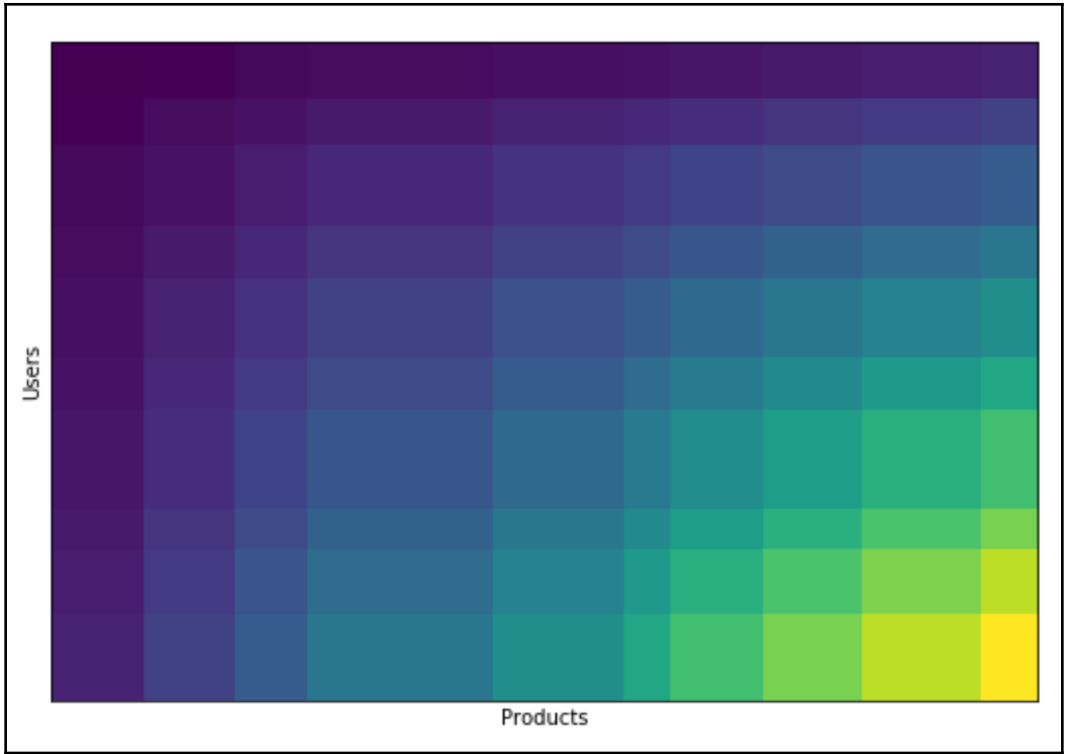




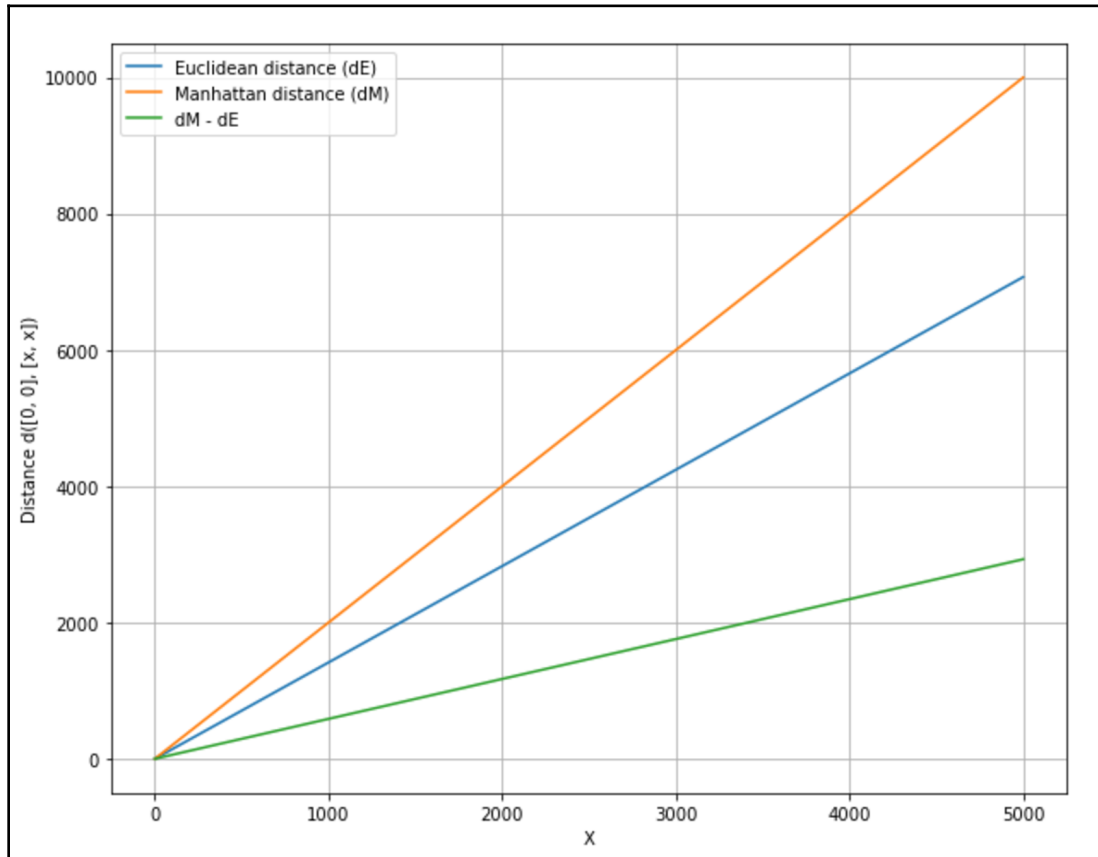


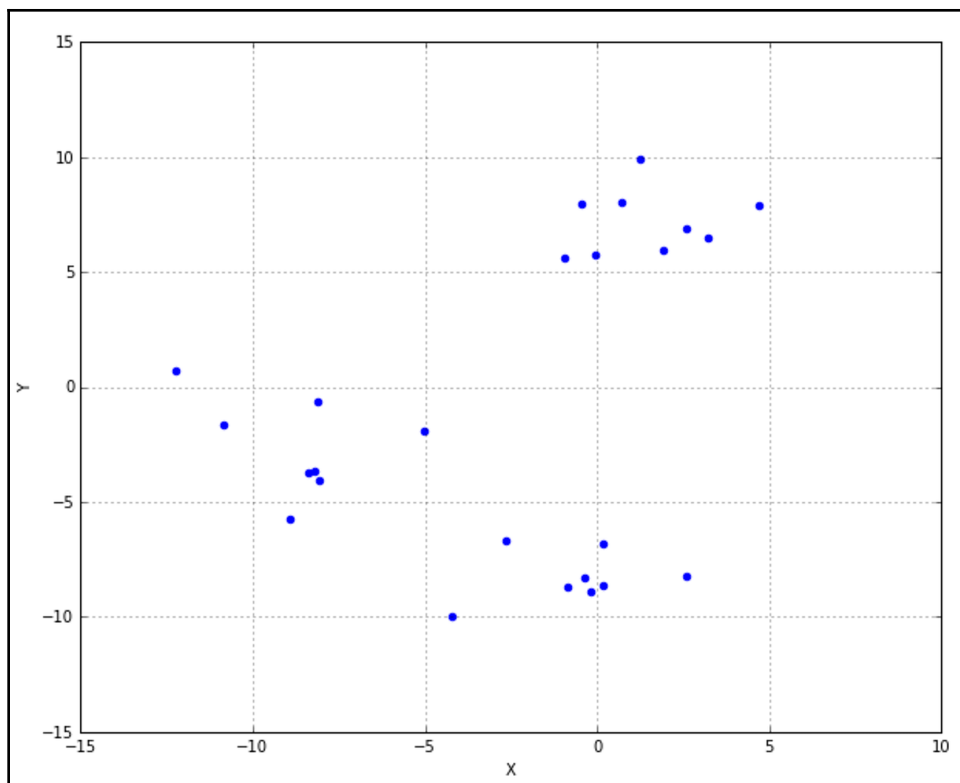


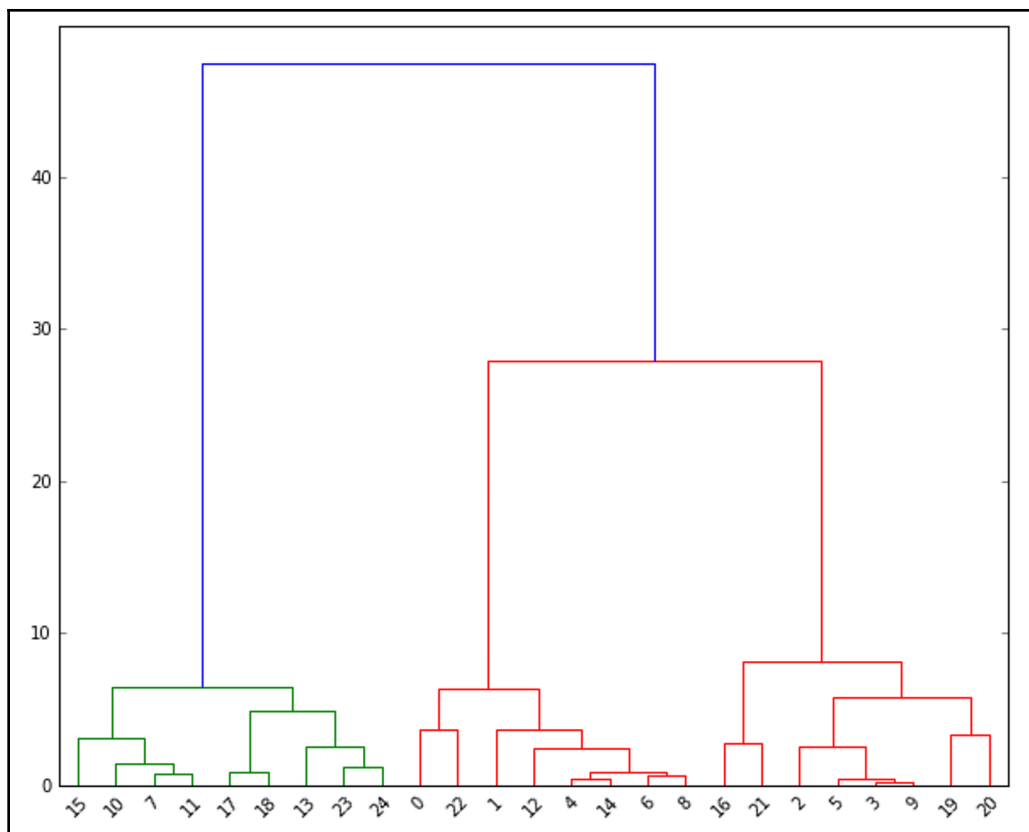


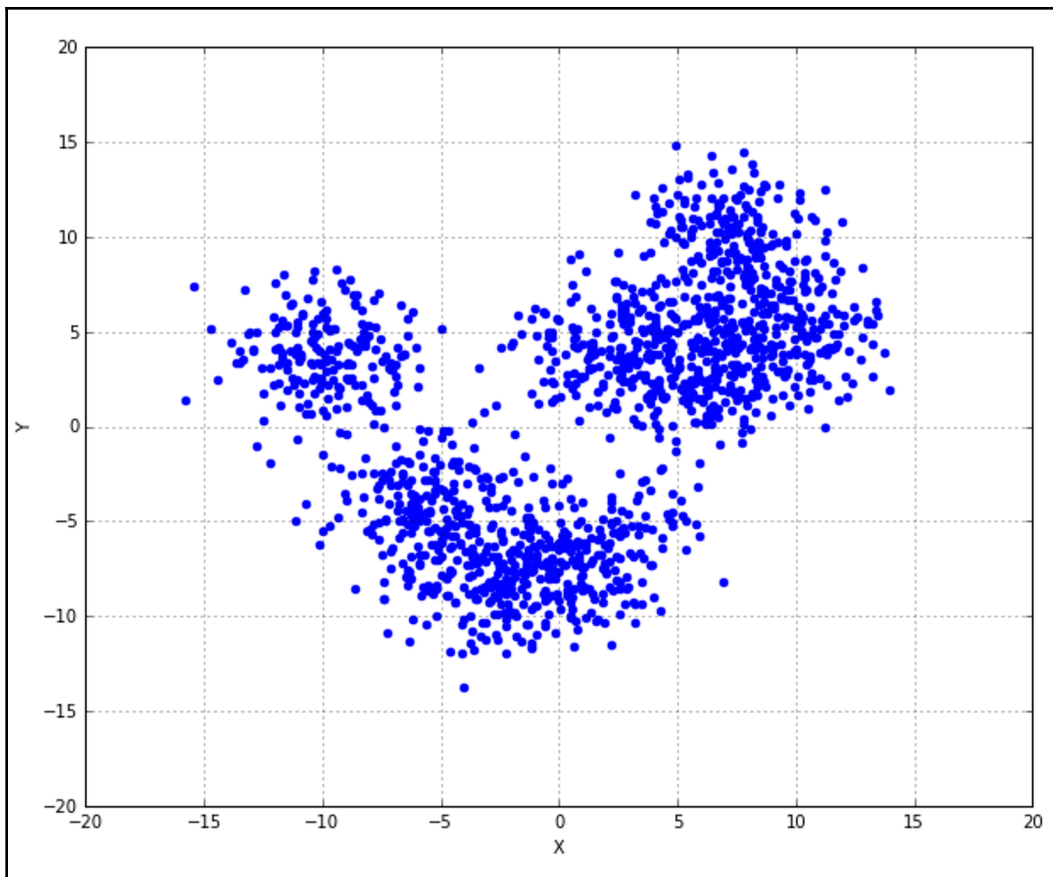


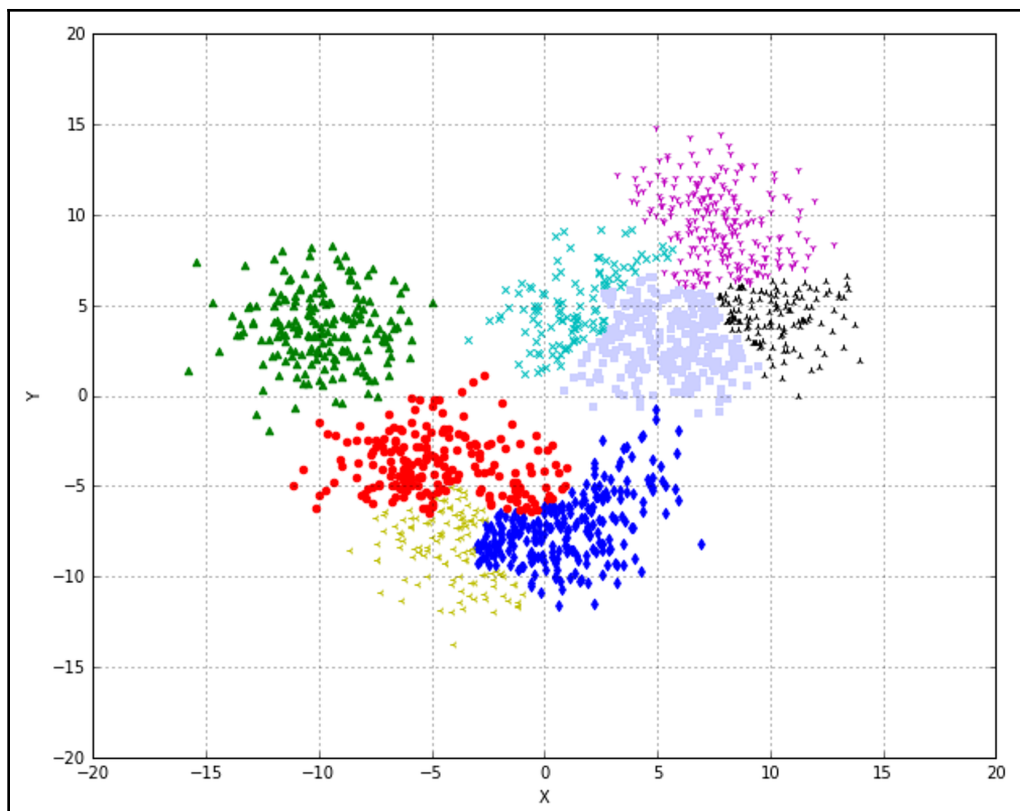
Chapter 11: Hierarchical Clustering

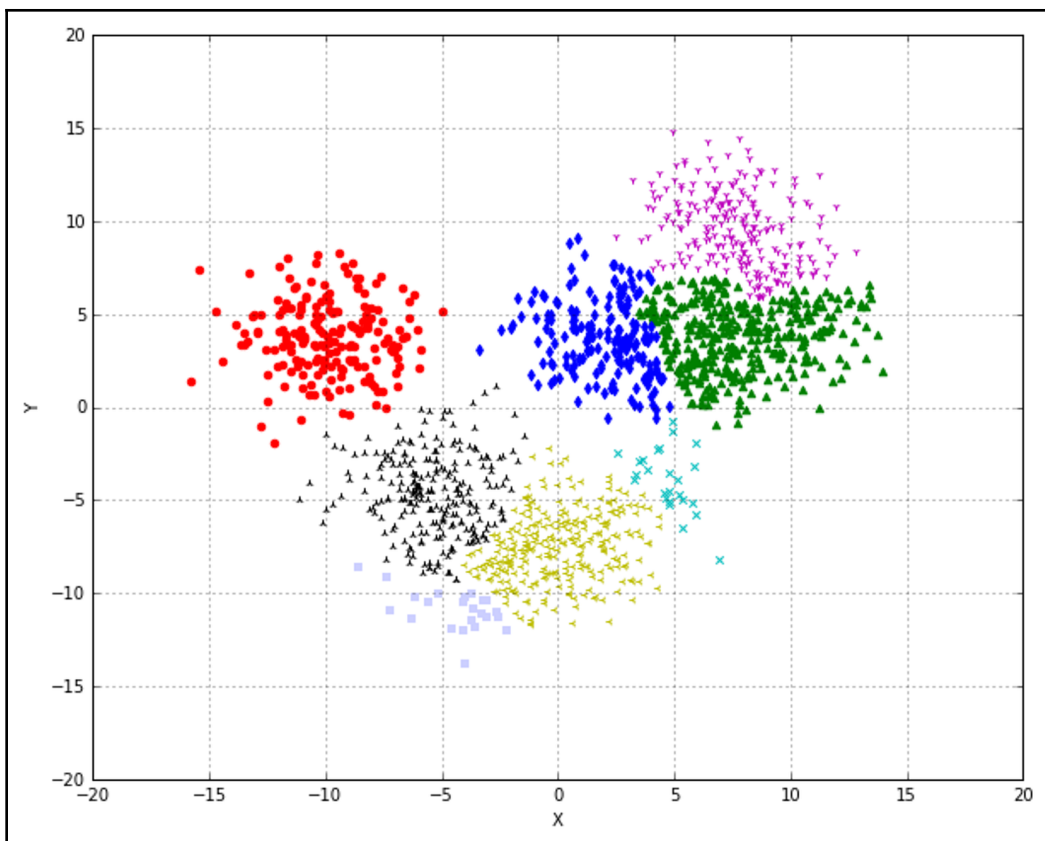


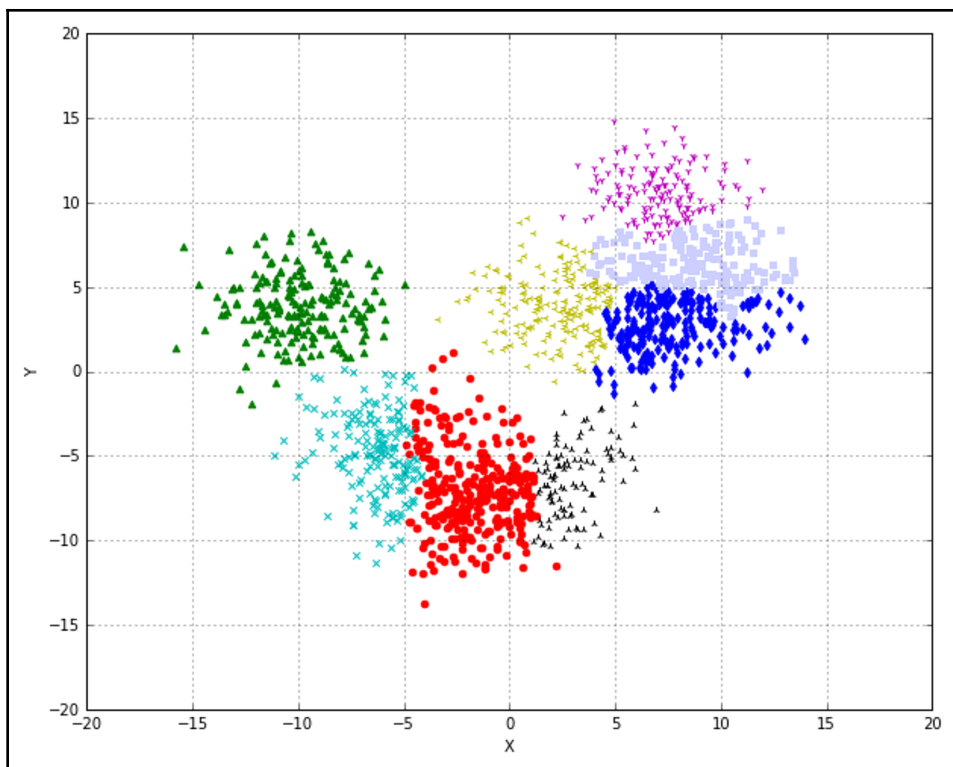


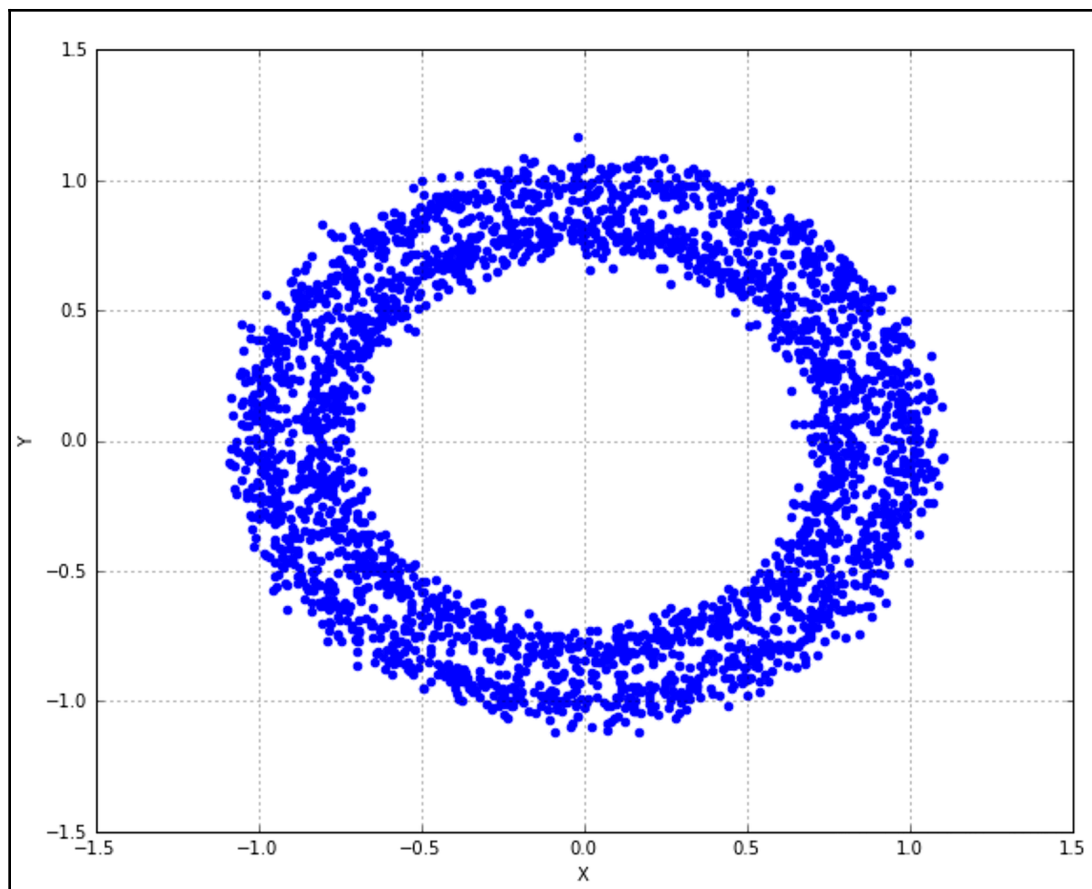


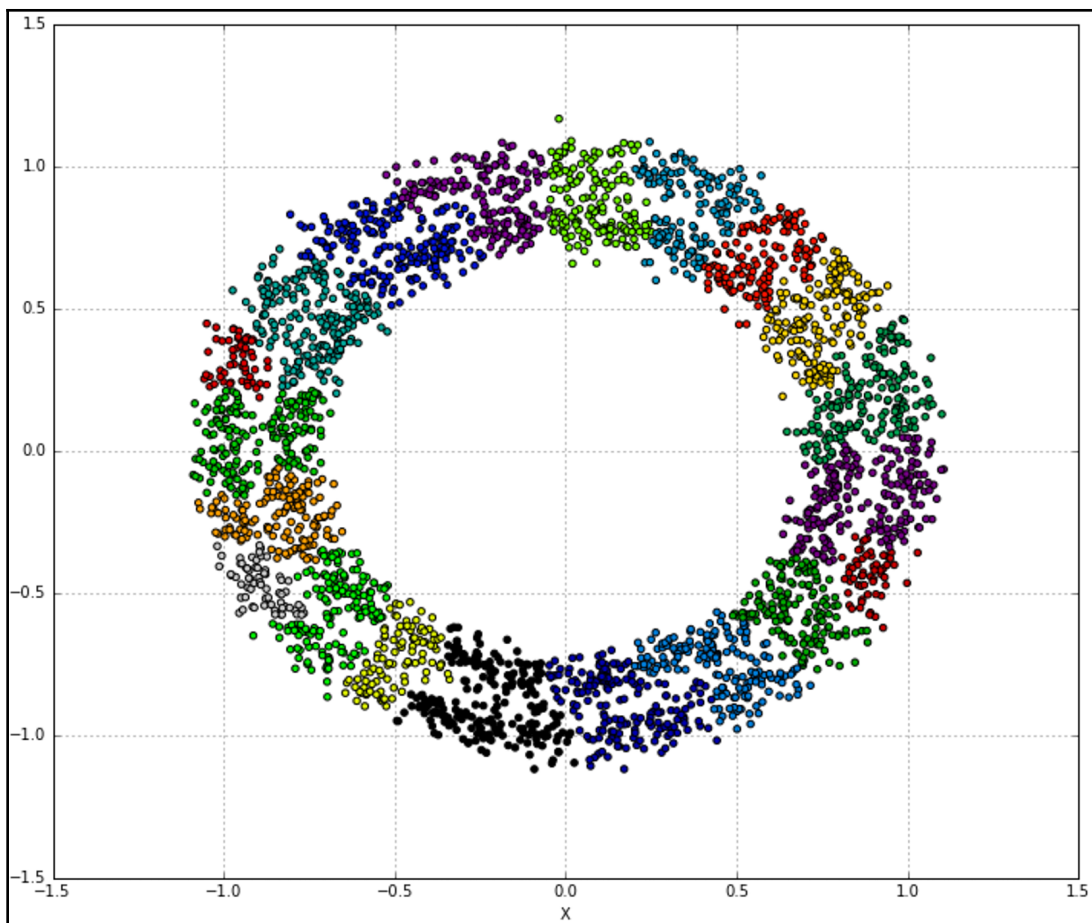


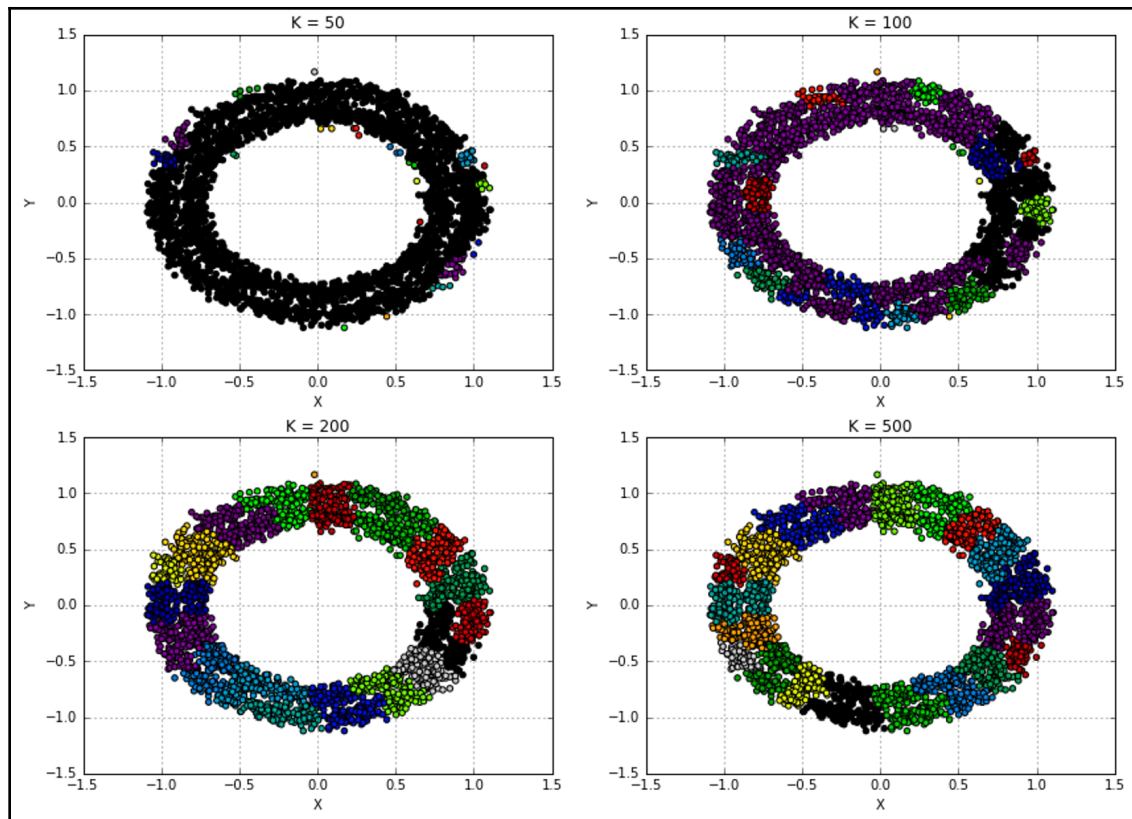




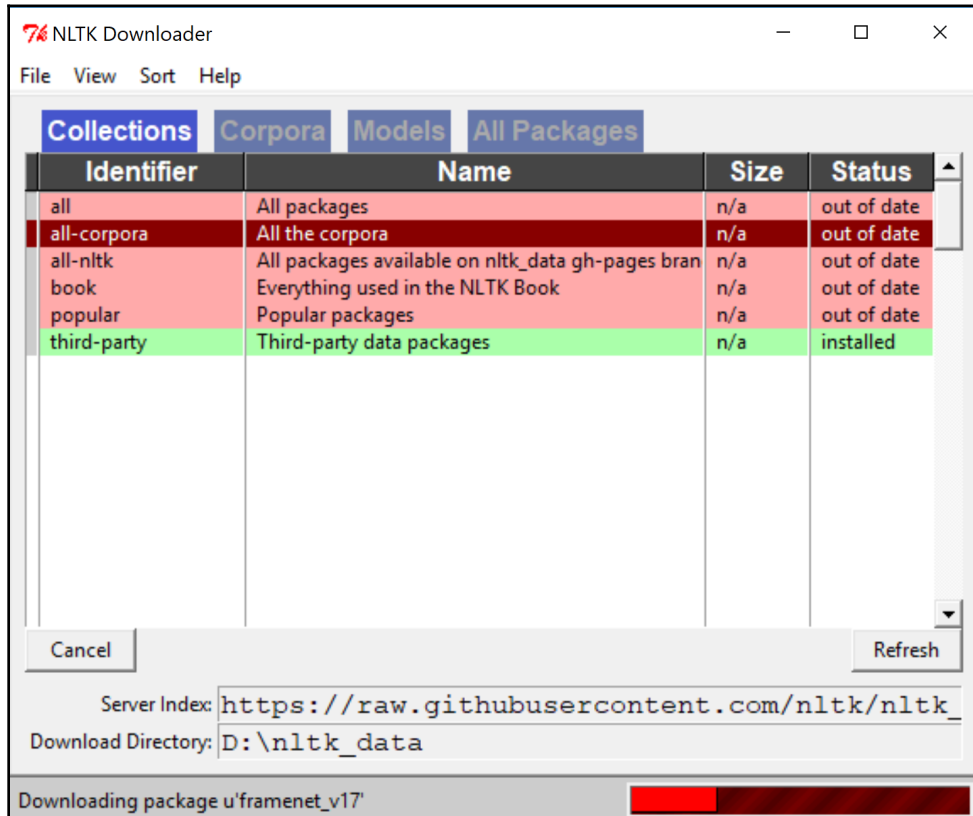








Chapter 13: Introducing Natural Language Processing



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»

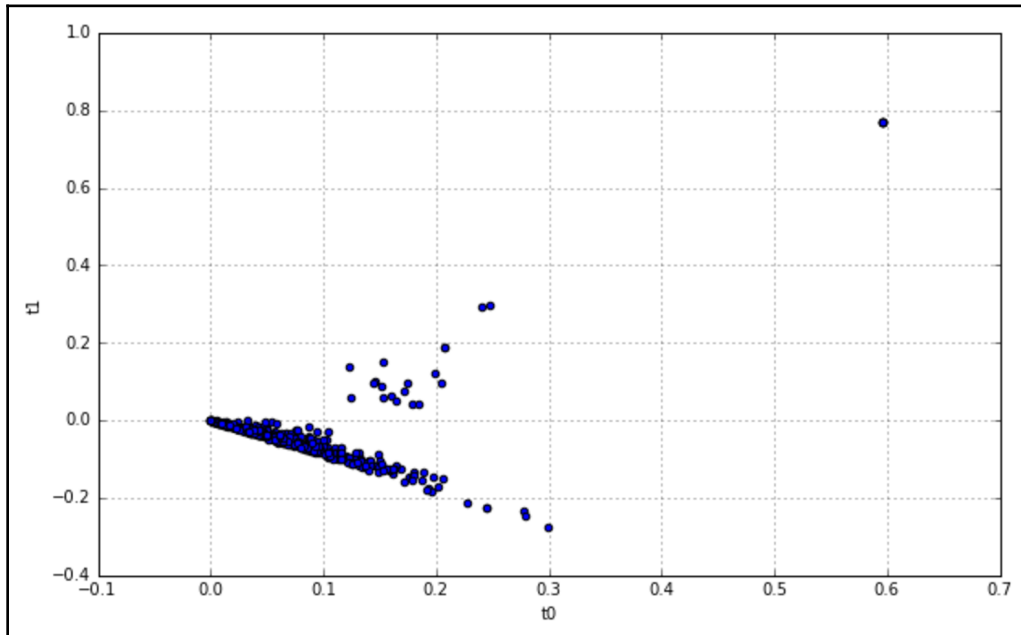


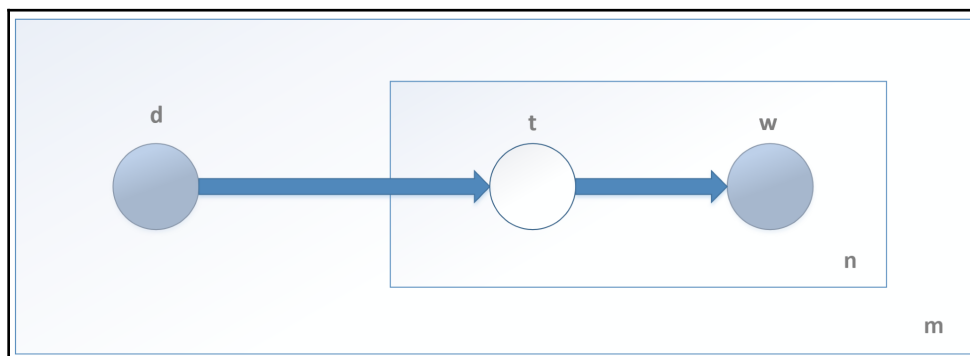
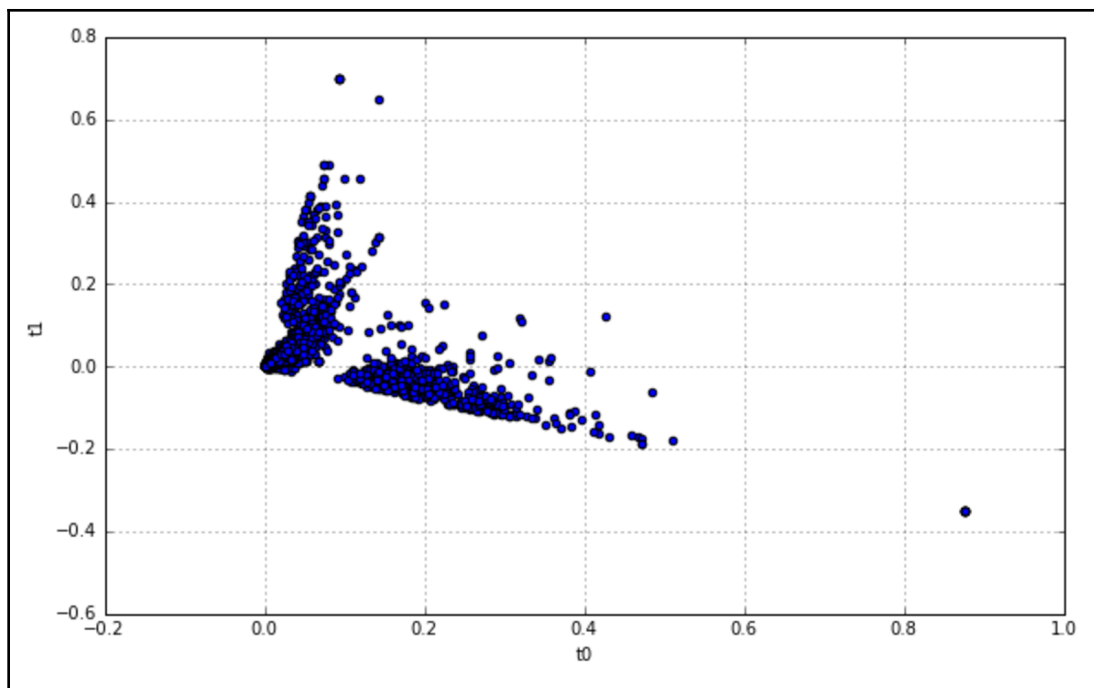
«quick» | «brown» | «fox» | «jump» | «over» | «lazy» | «dog»

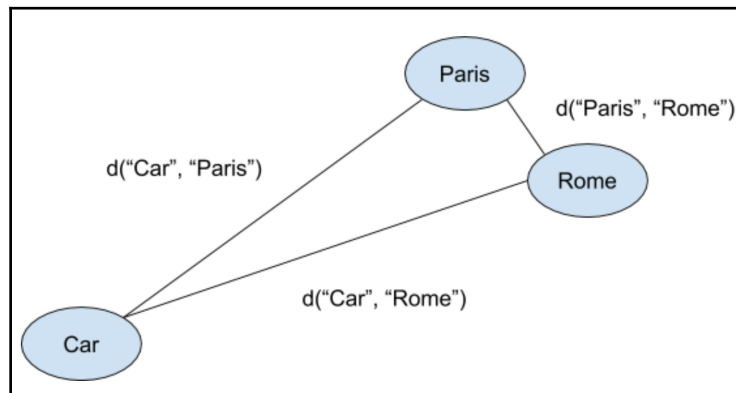
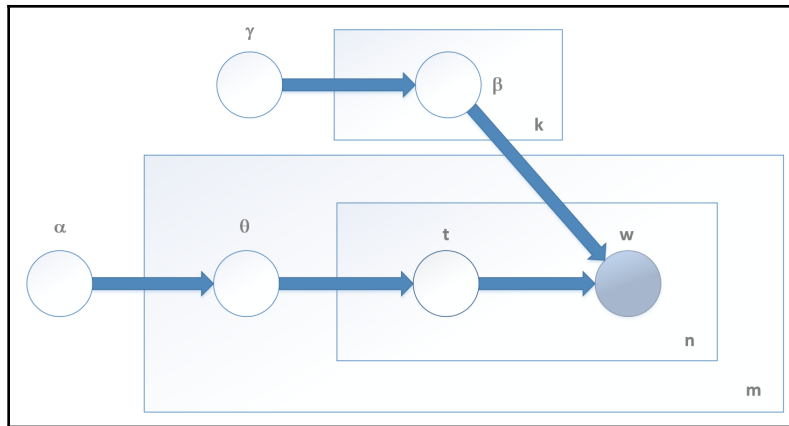


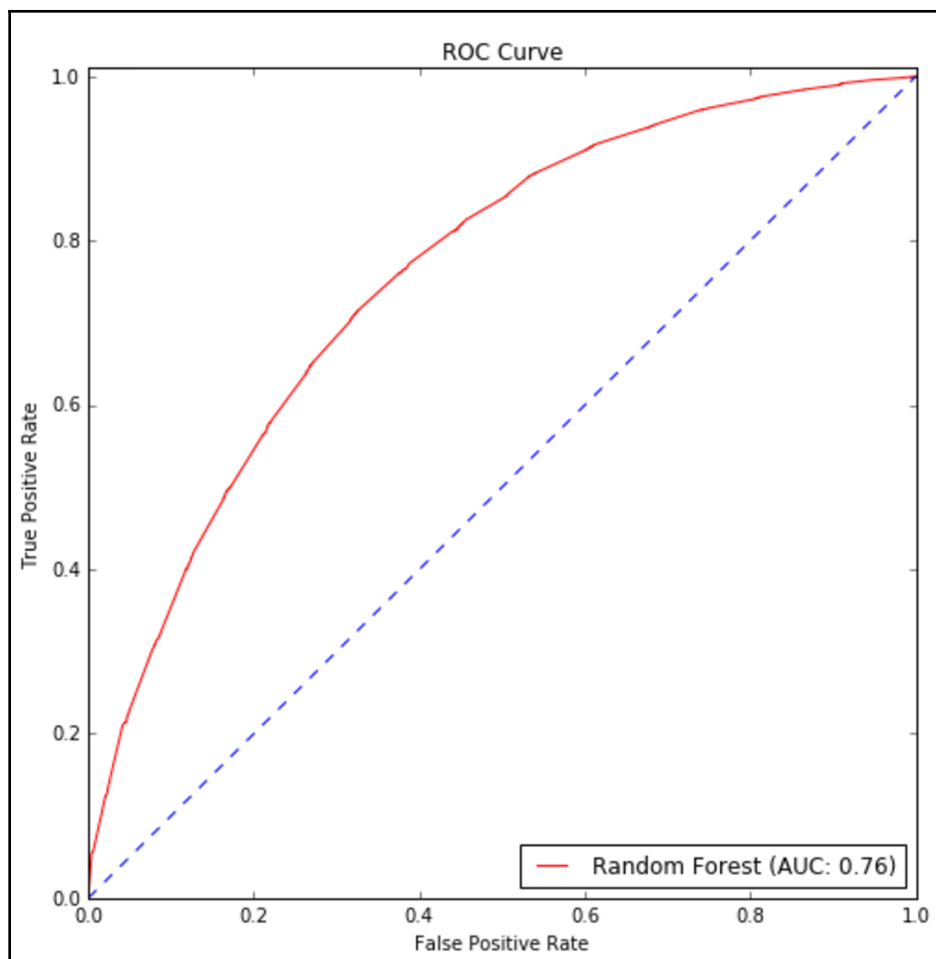
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Chapter 14: Topic Modeling and Sentiment Analysis in NLP

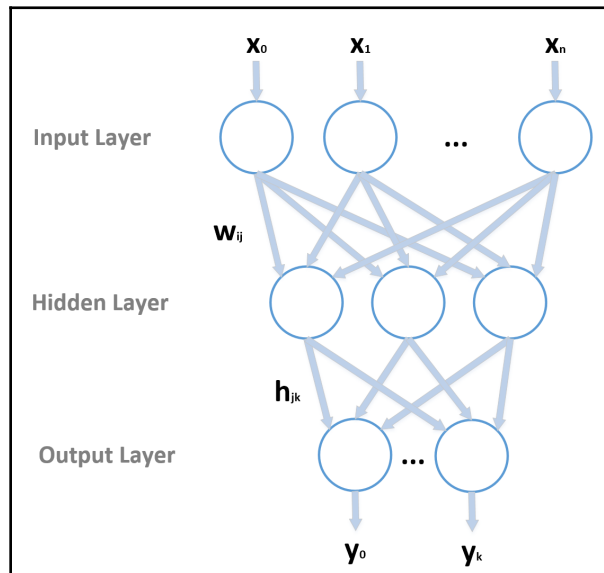
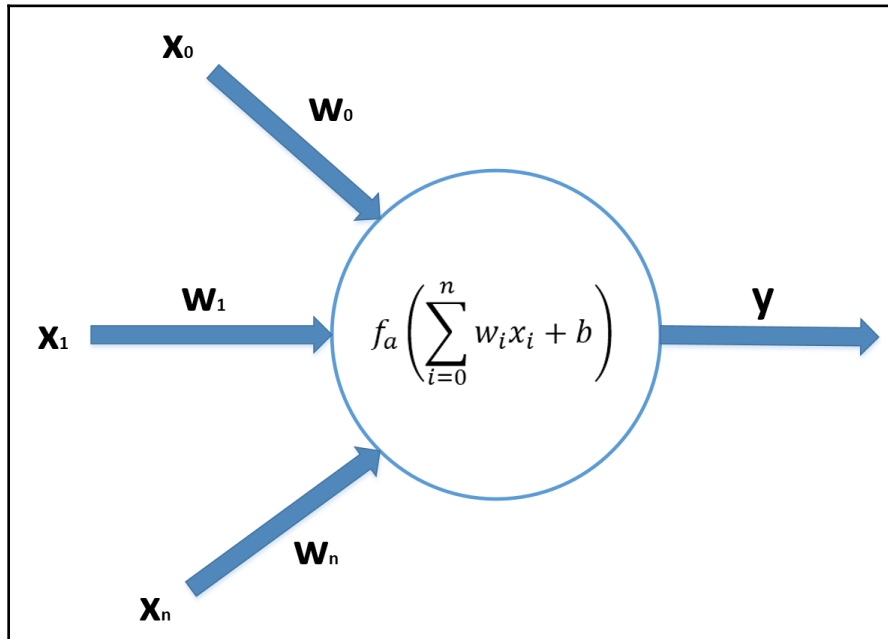


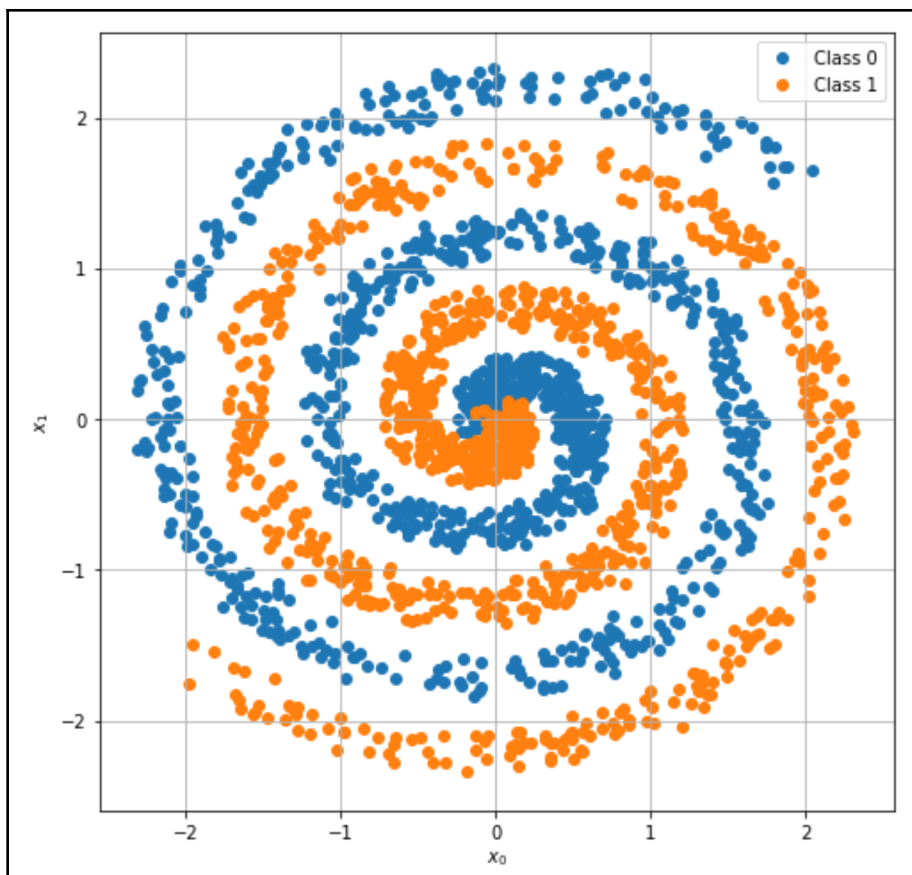


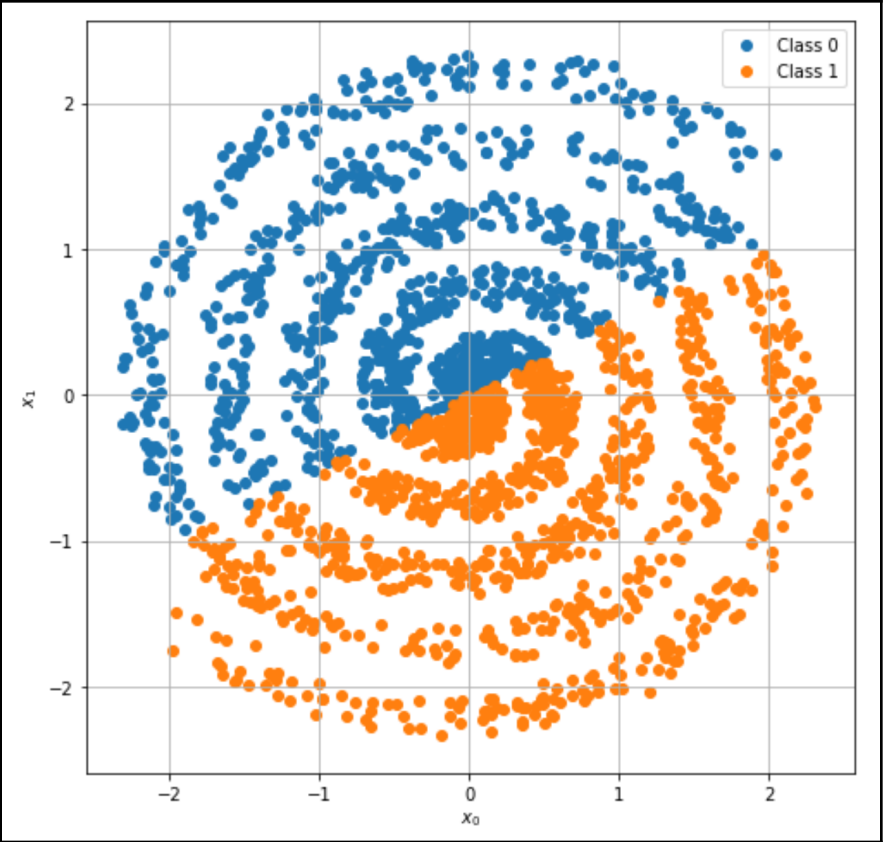


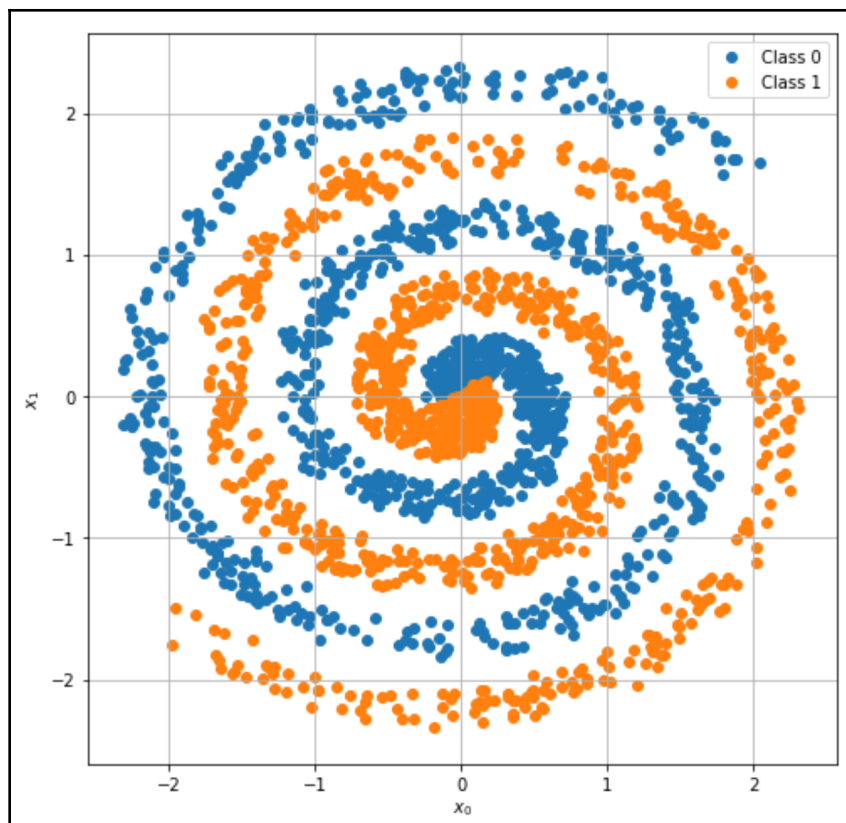


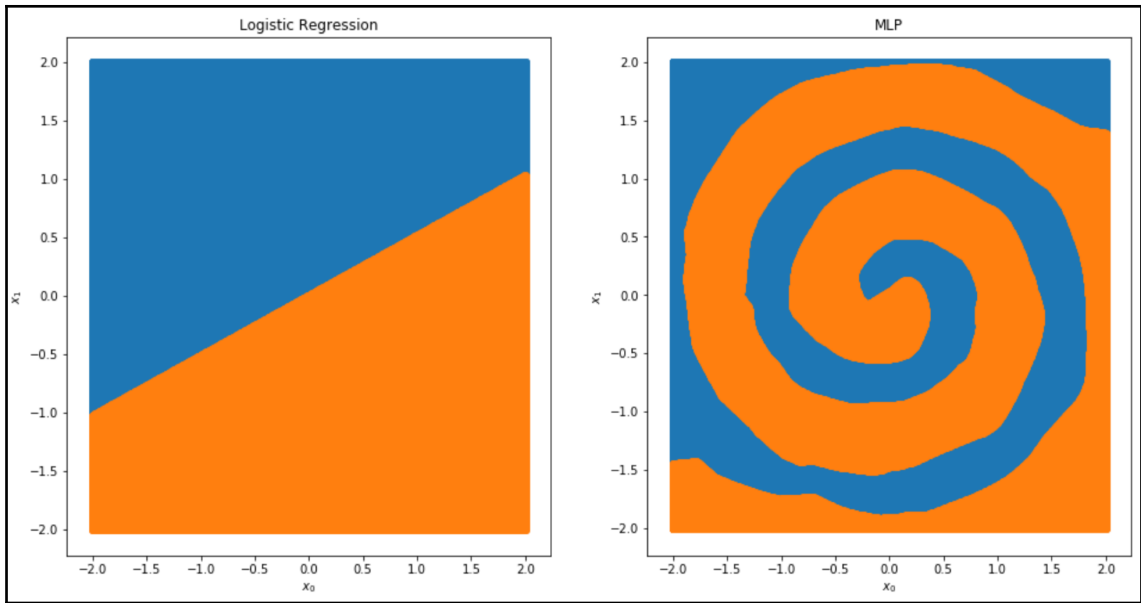
Chapter 15: Introducing Neural Networks



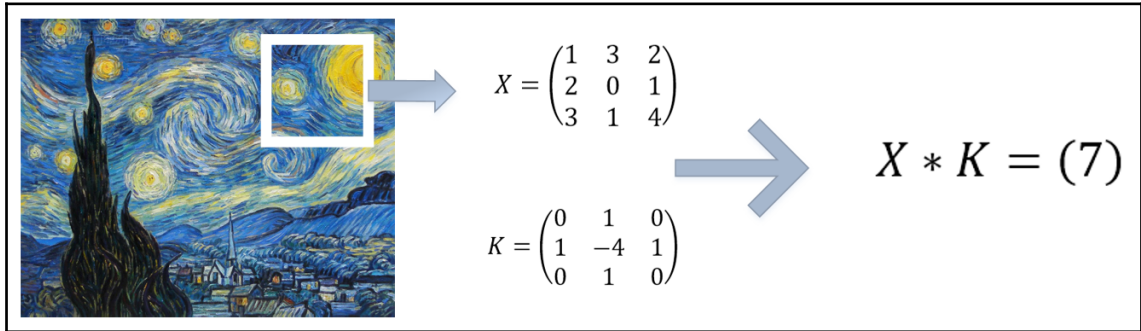




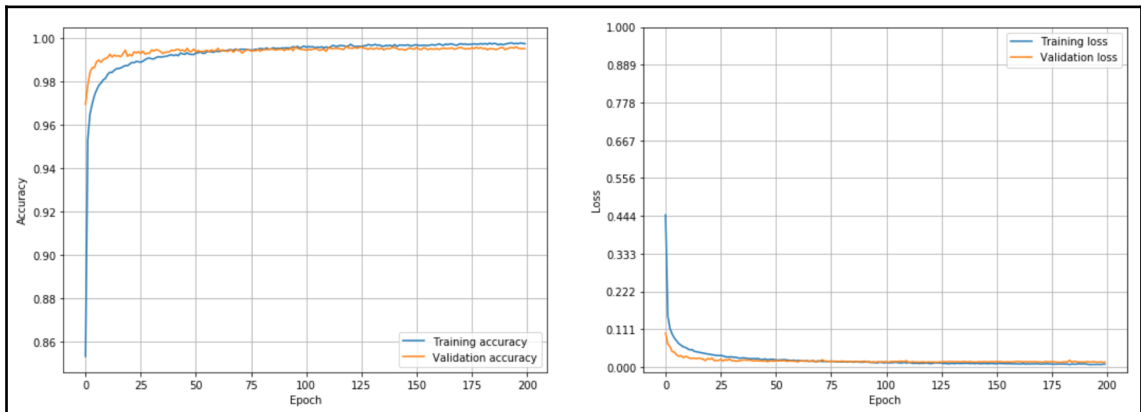


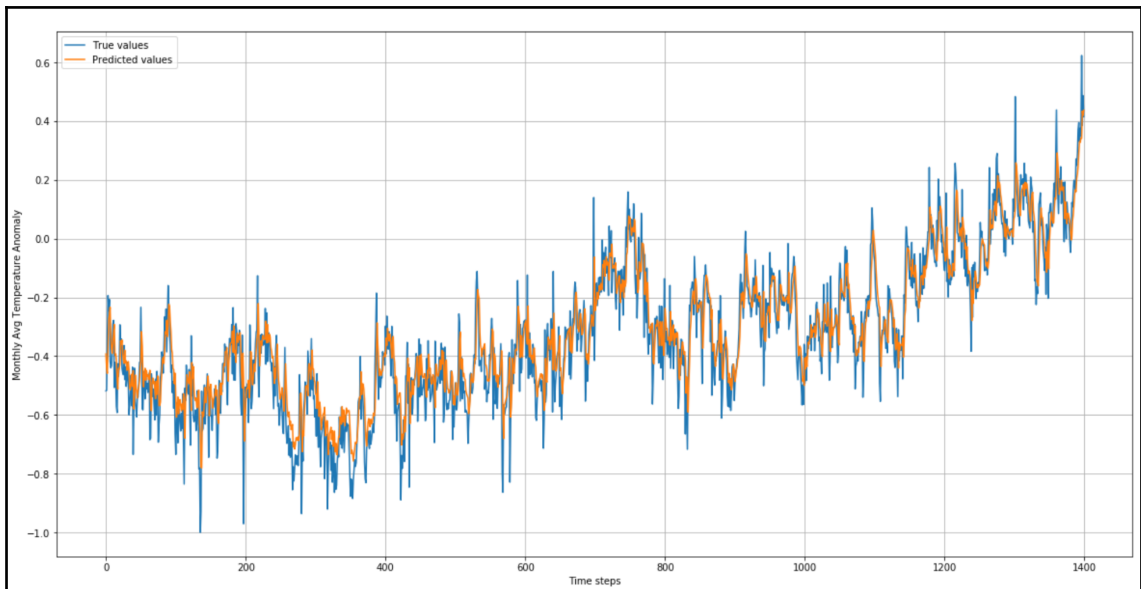
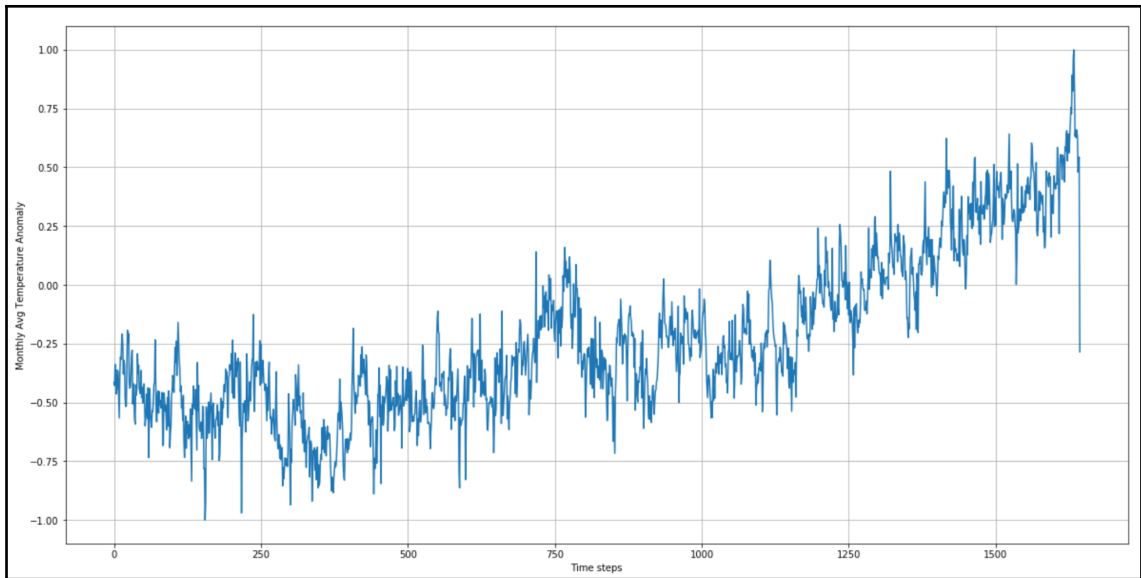


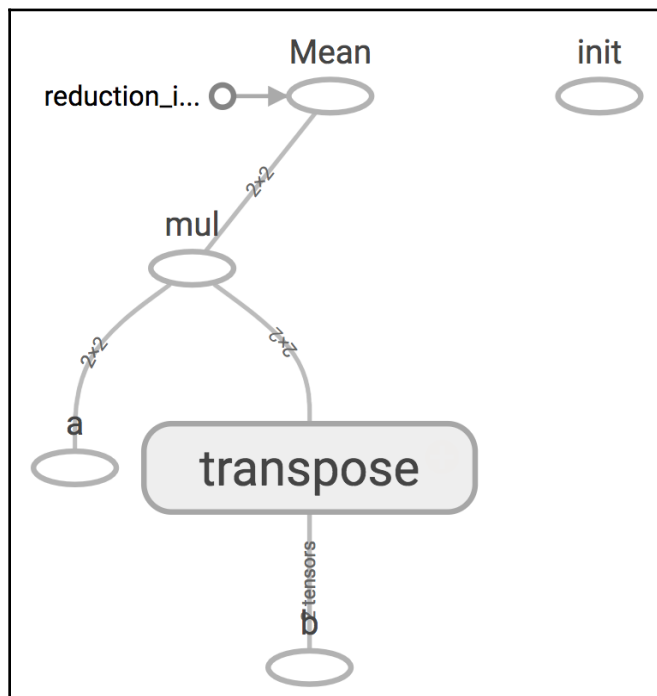
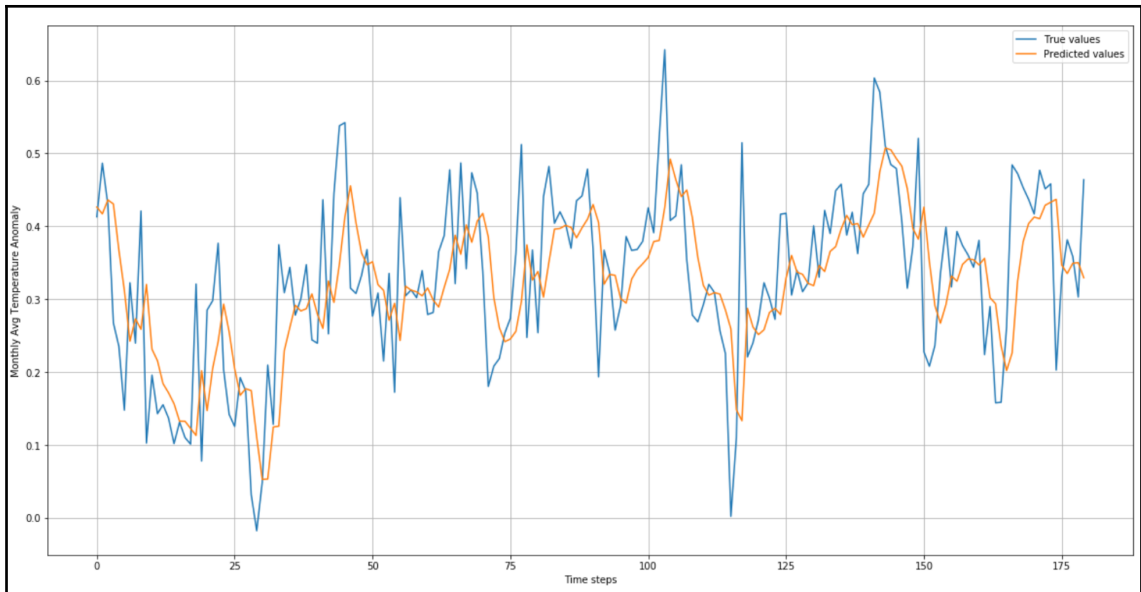
Chapter 16: Advanced Deep Learning Models

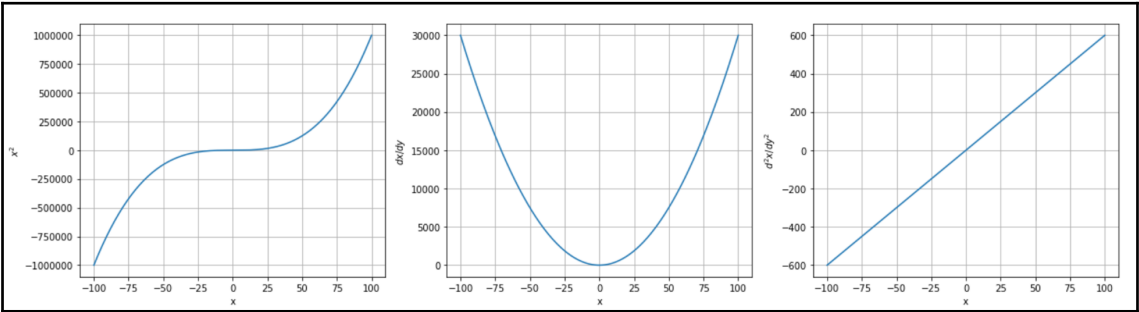
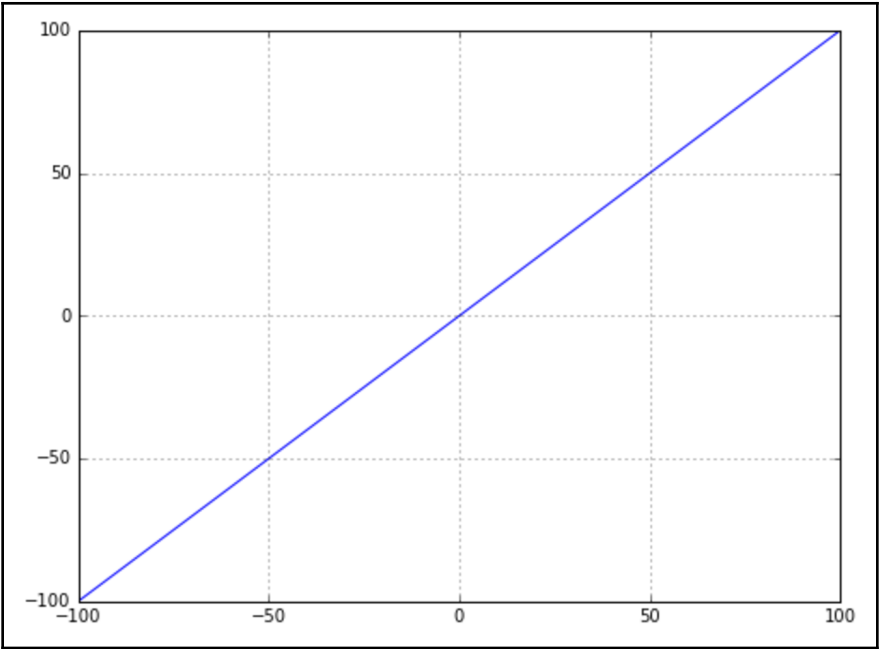


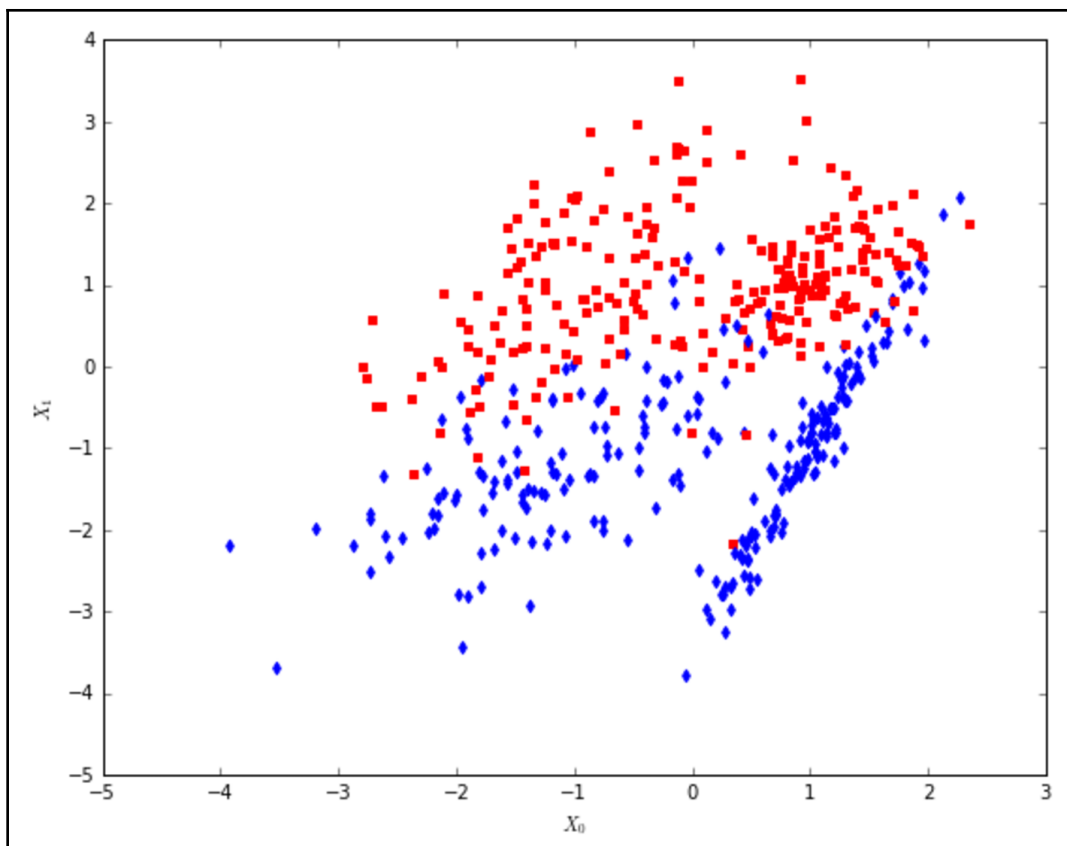
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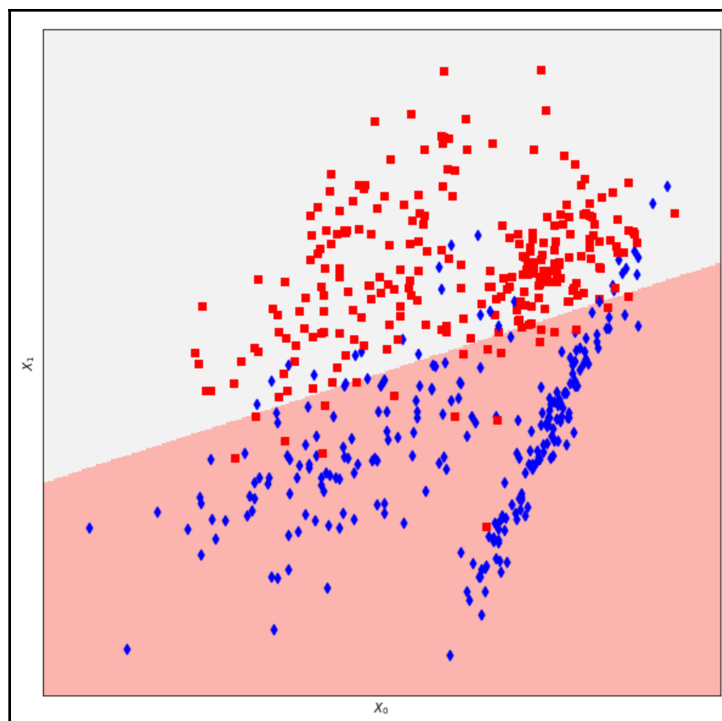


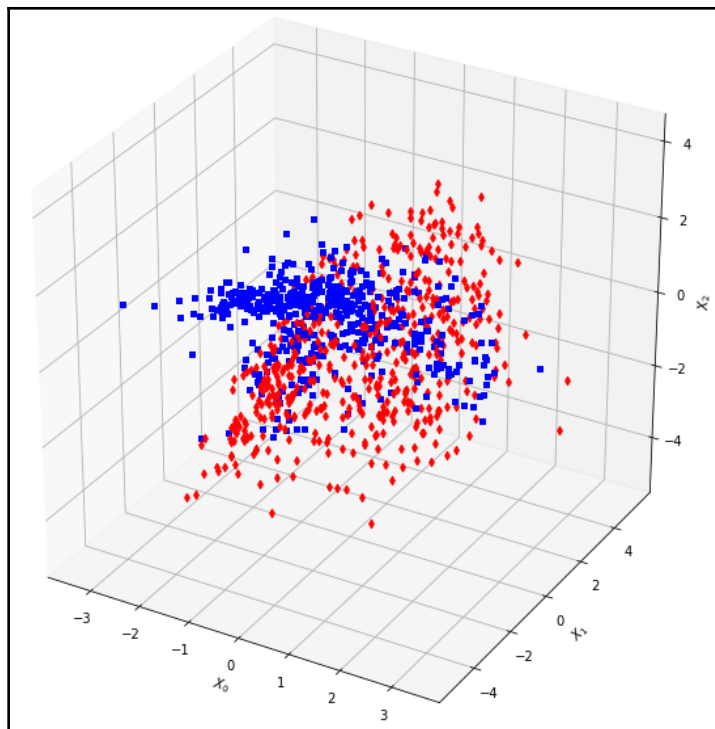


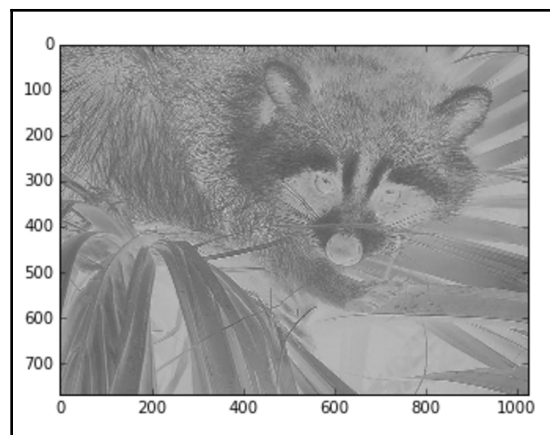












Chapter 17: Creating a Machine Learning Architecture

