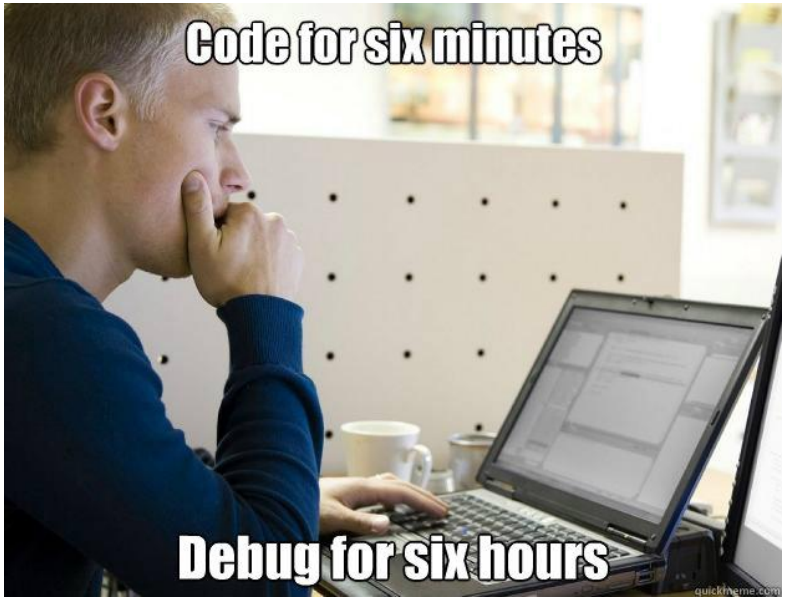
CS 506

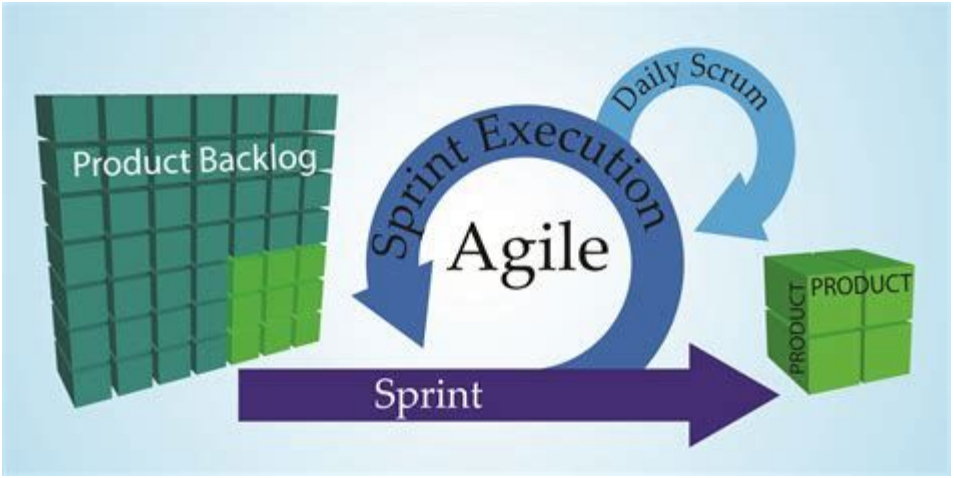
Boston University CS 506 - Lance Galletti

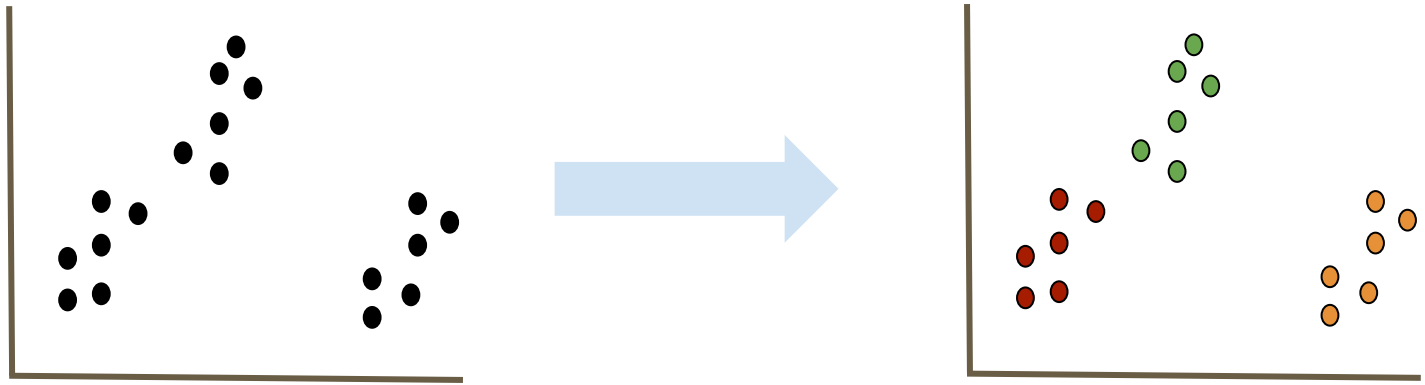

Code for six minutes
Debug for six hours
quickmeme.com

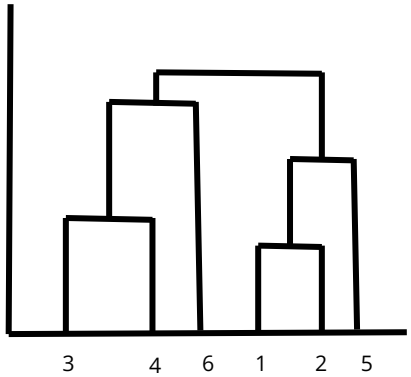

Code for six minutes
Debug for six hours

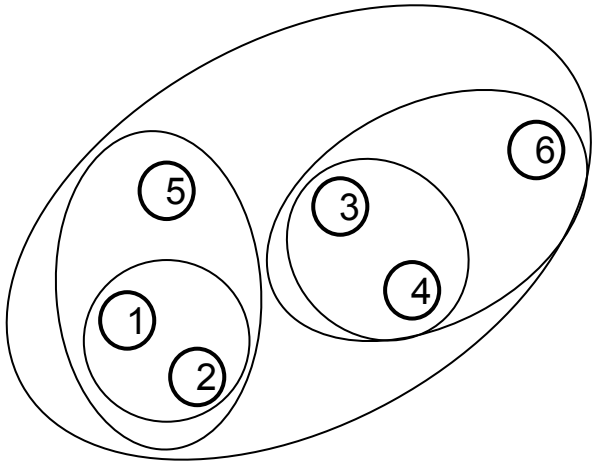

git


GitHub


Product Backlog
Sprint Execution
Daily Scrum
Agile
PRODUCT
PRODUCT
Sprint




3
4
6
1
2
5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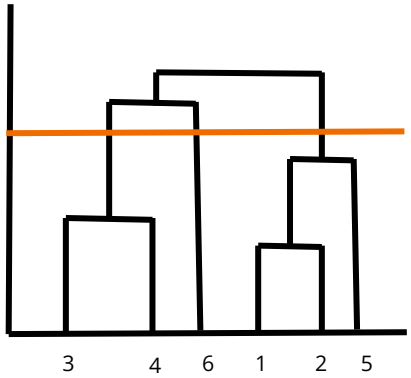
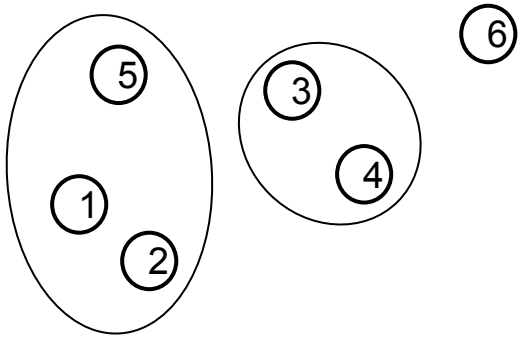
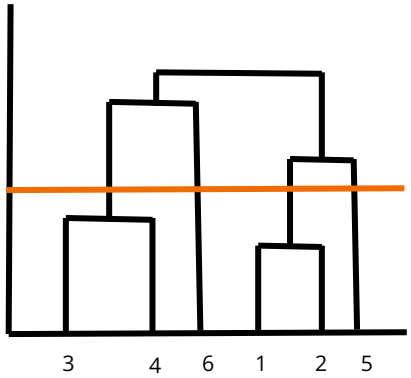
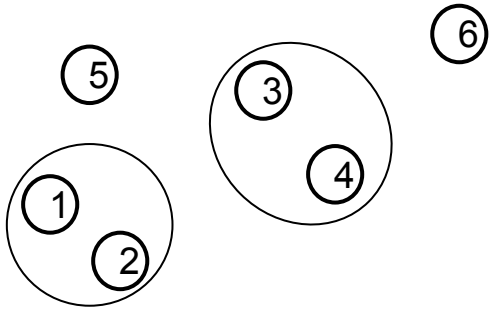
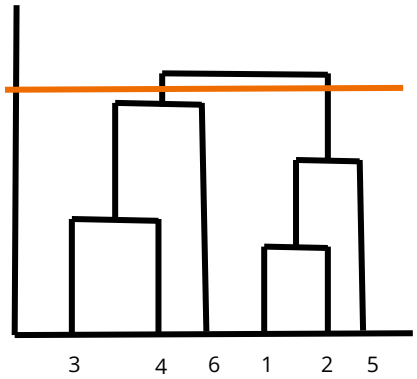
3
6
4
1
2

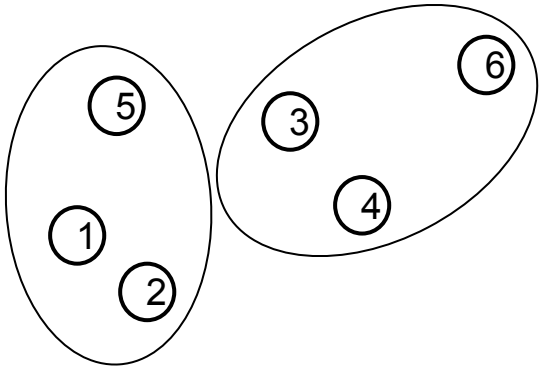

3
4
6
1
2
5

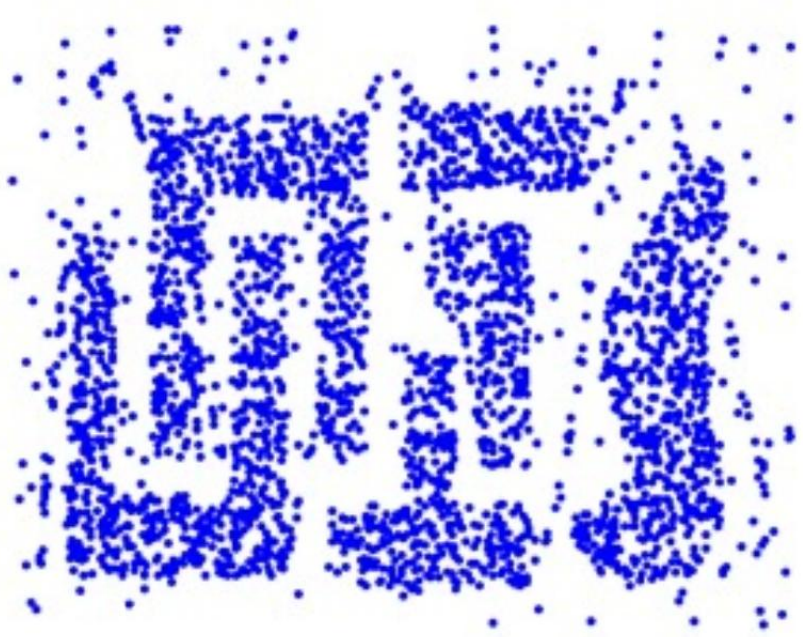

5
1
2
3
4
6

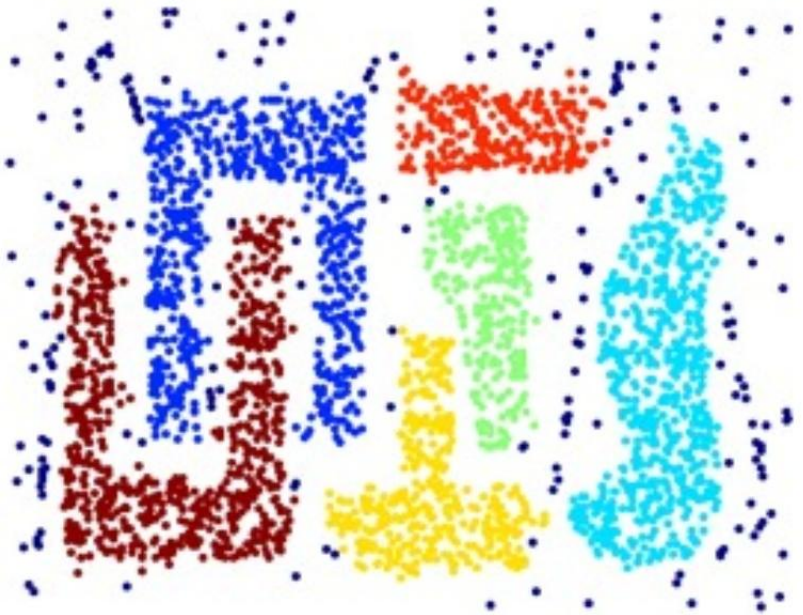

3
4
6
1
2
5

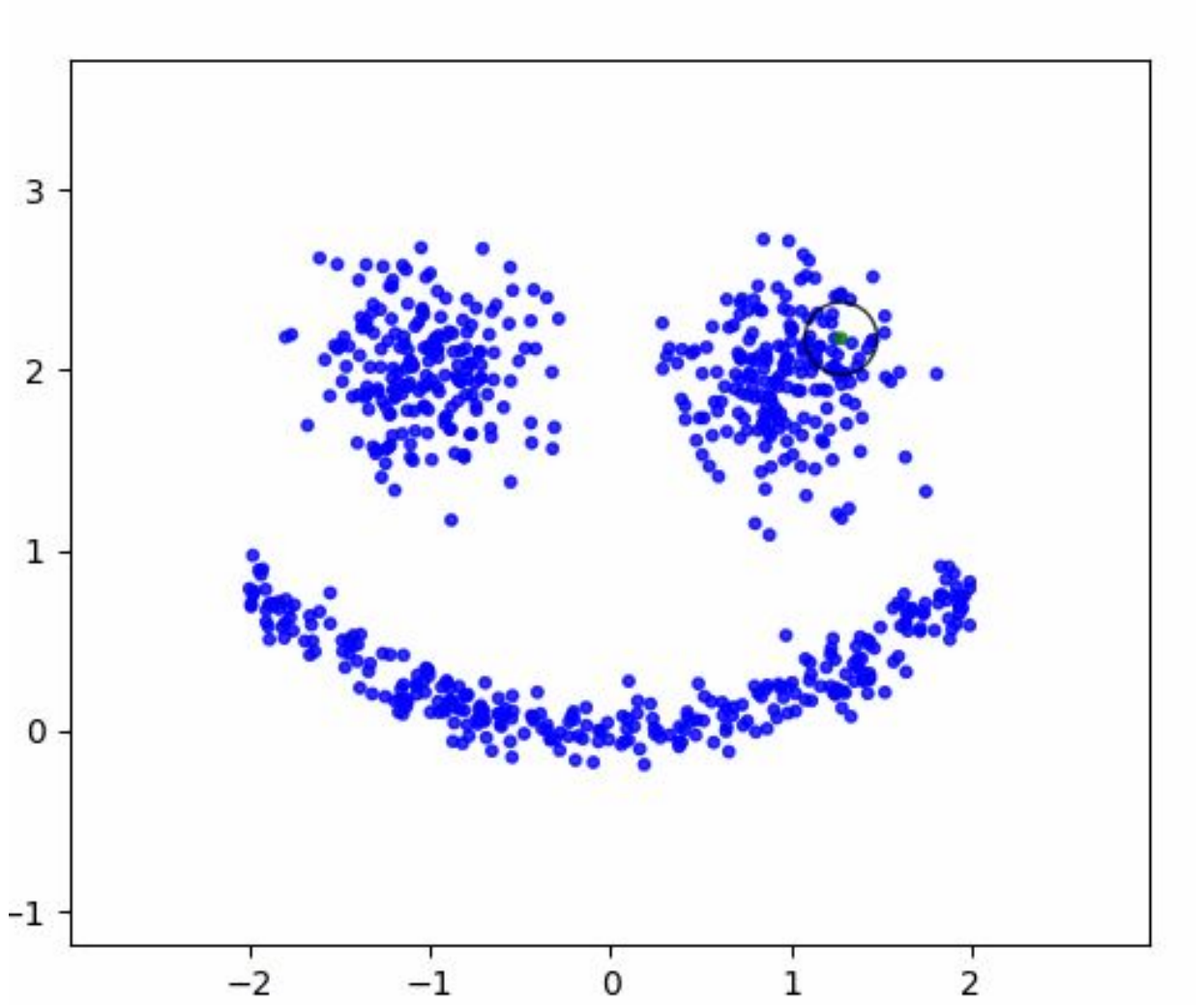

6
5
3
4
1
2

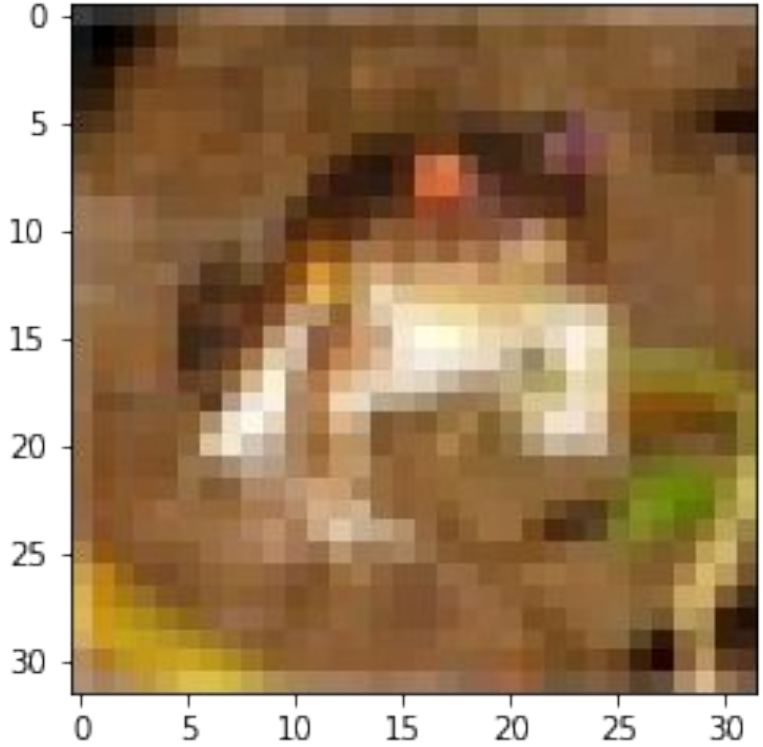

3
4
6
1
2
5

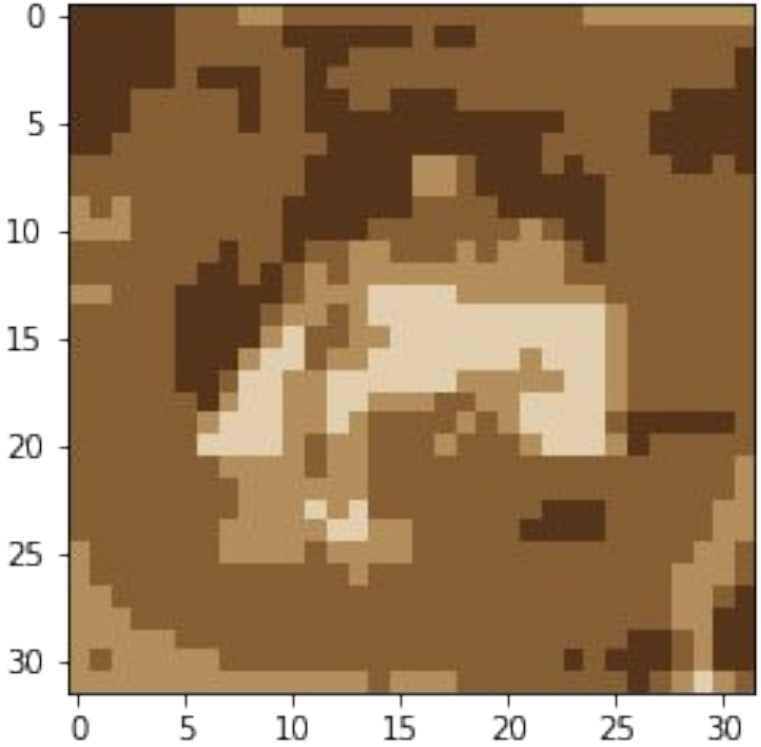

5
1
2
6
3
4

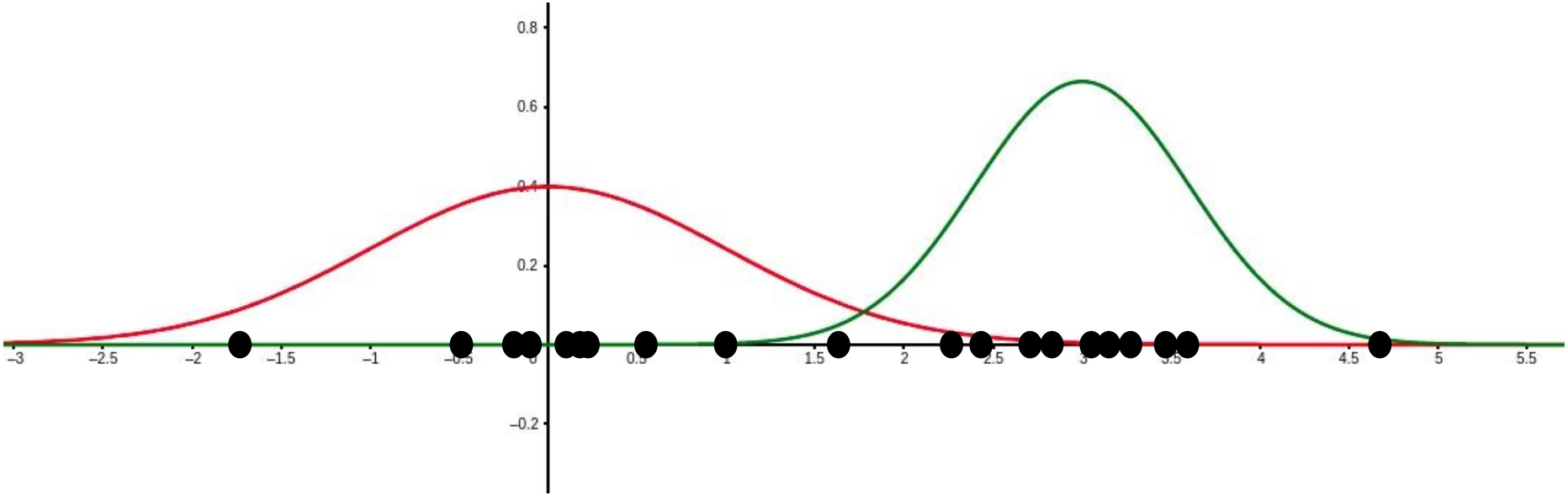


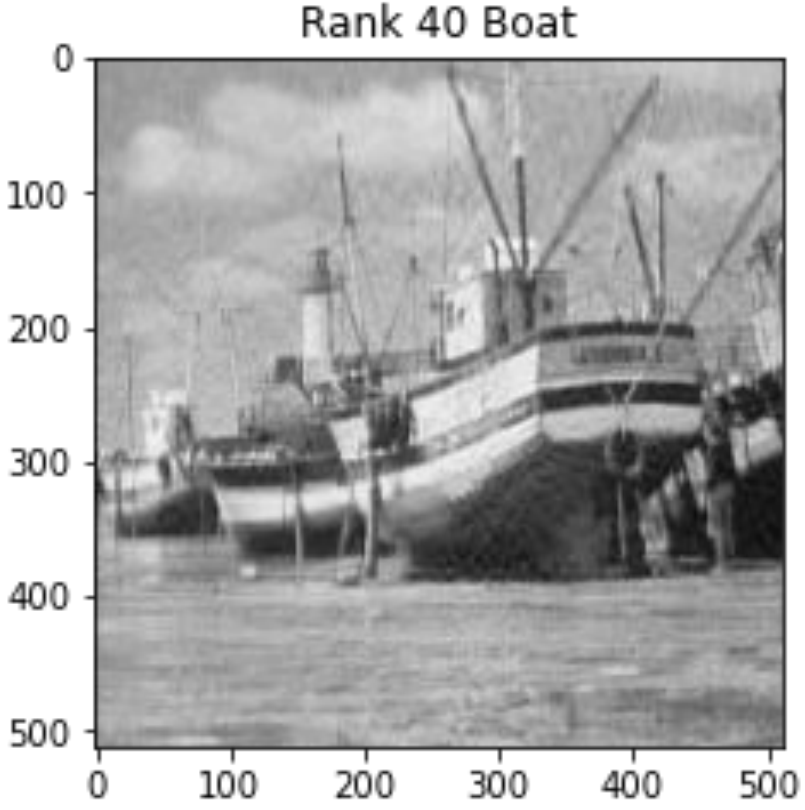


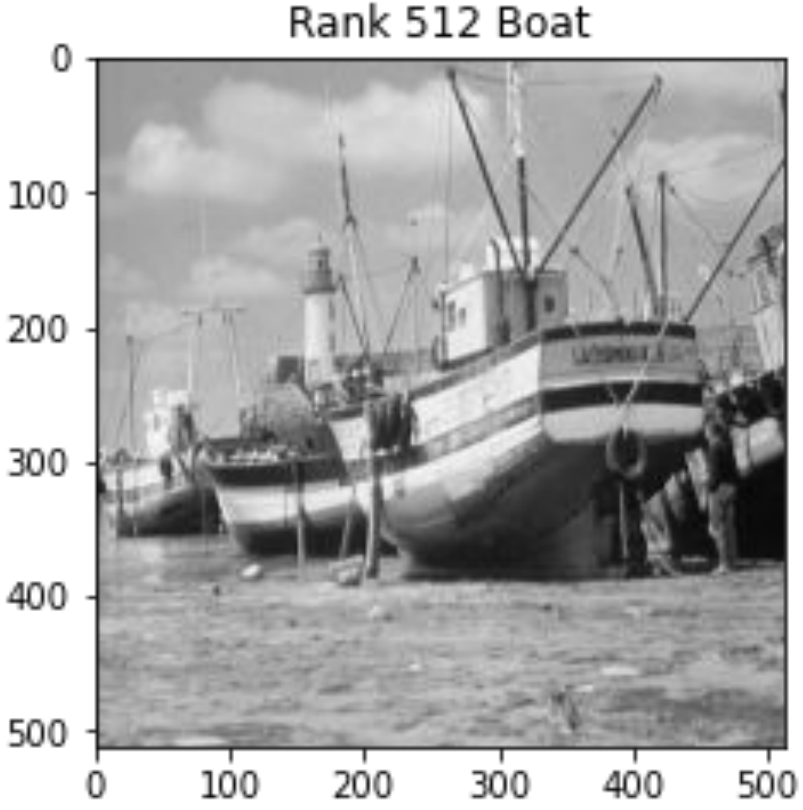

3
2
1
0
−1
−2
−1
0
1
2


0
5
10
15
20
25
30
0
5
10
15
20
25
30

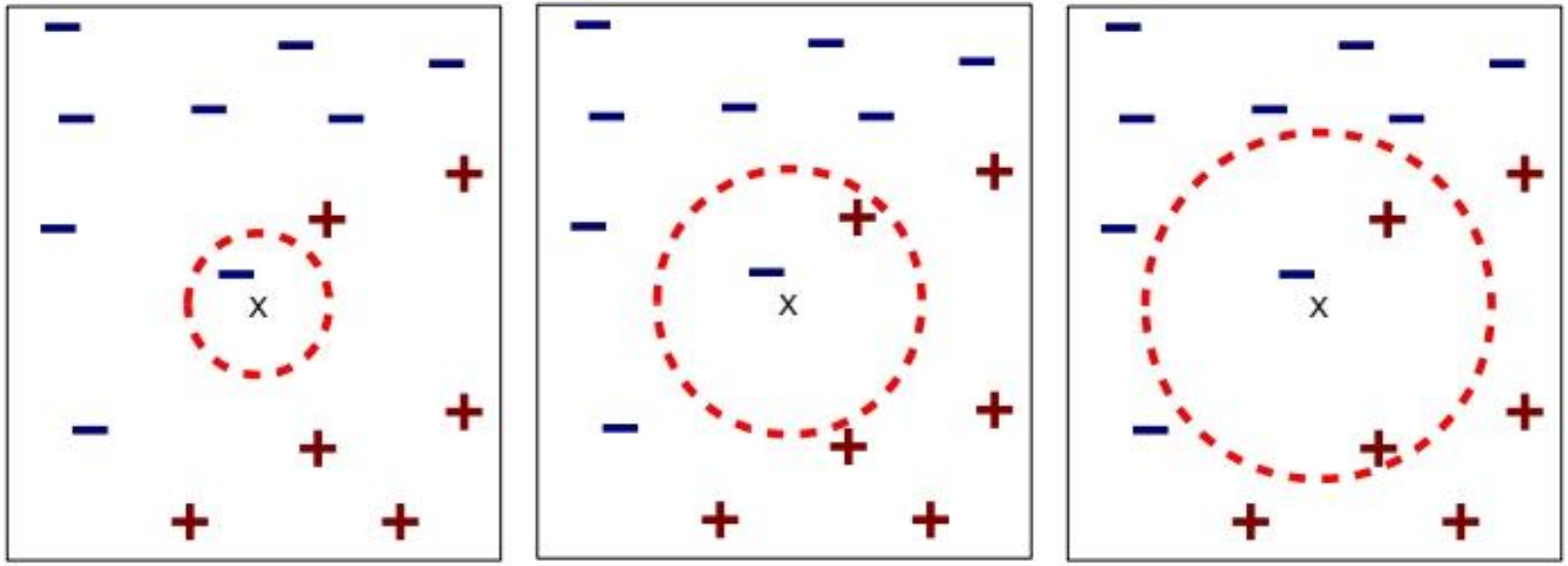

0
5
10
15
20
25
30
0
5
10
15
20
25
30


0.8
0.6
0.4
0.2
−0.2
−3
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5


Rank 40 Boat
0
100
200
300
400
500
0
100
200
300
400
500

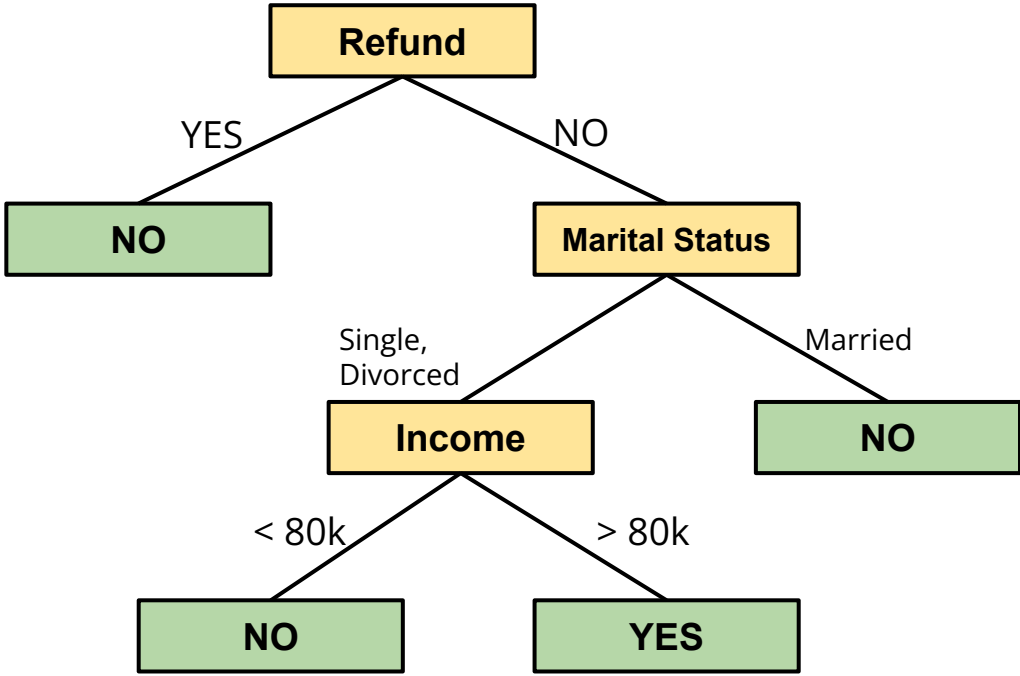

Rank 512 Boat
0
100
200
300
400
500
0
100
200
300
400
500

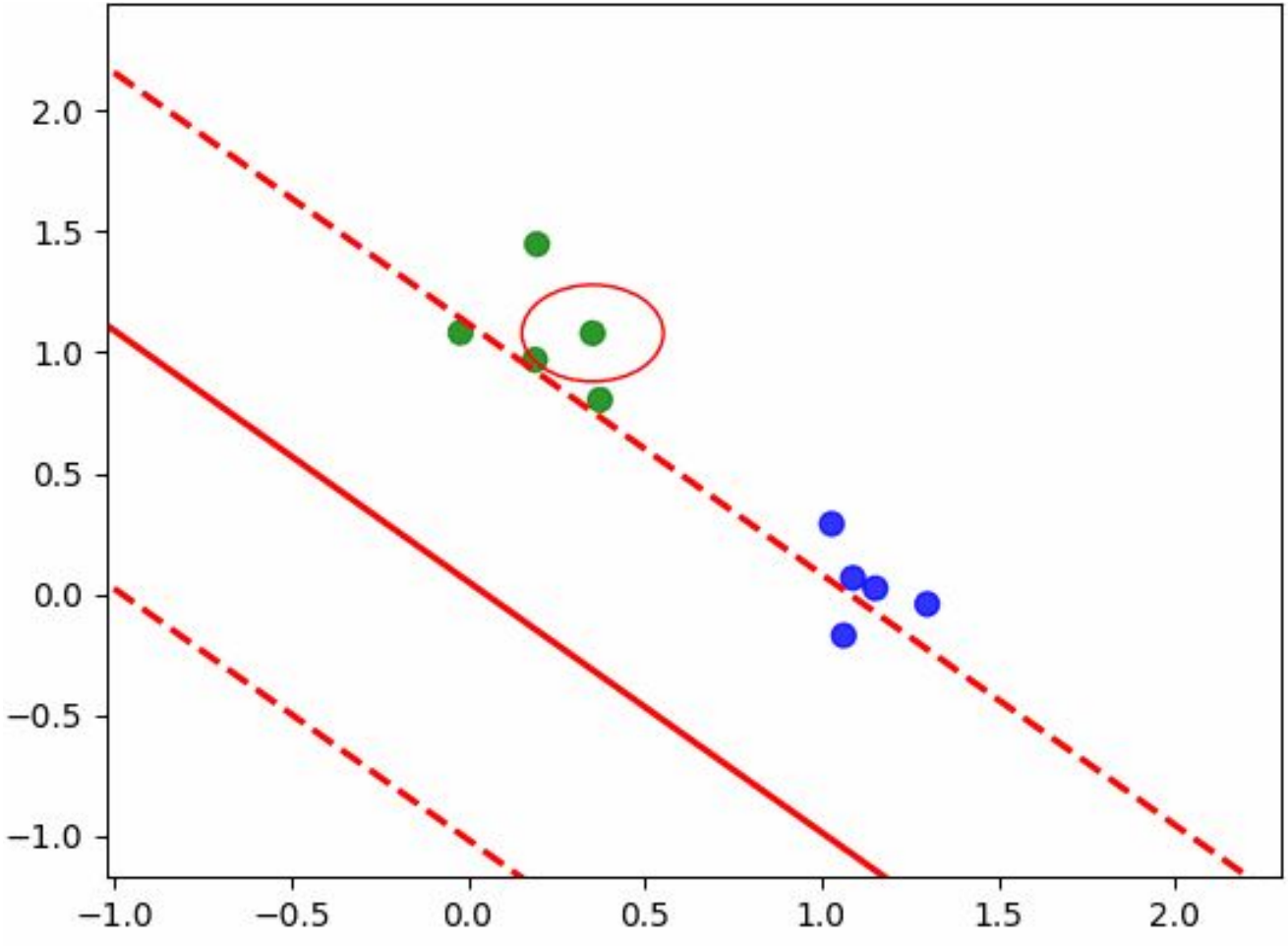
Natural Language Processing

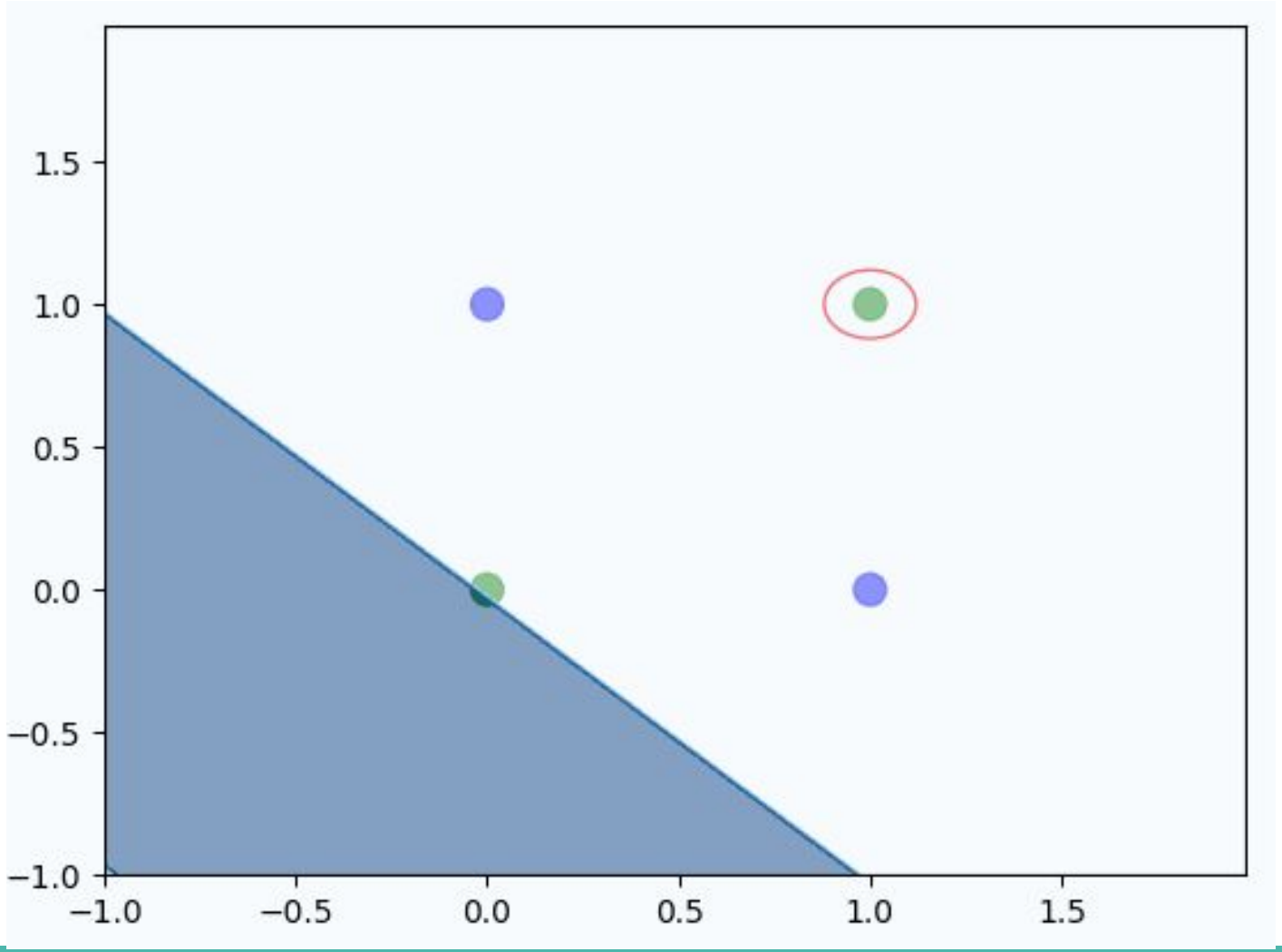


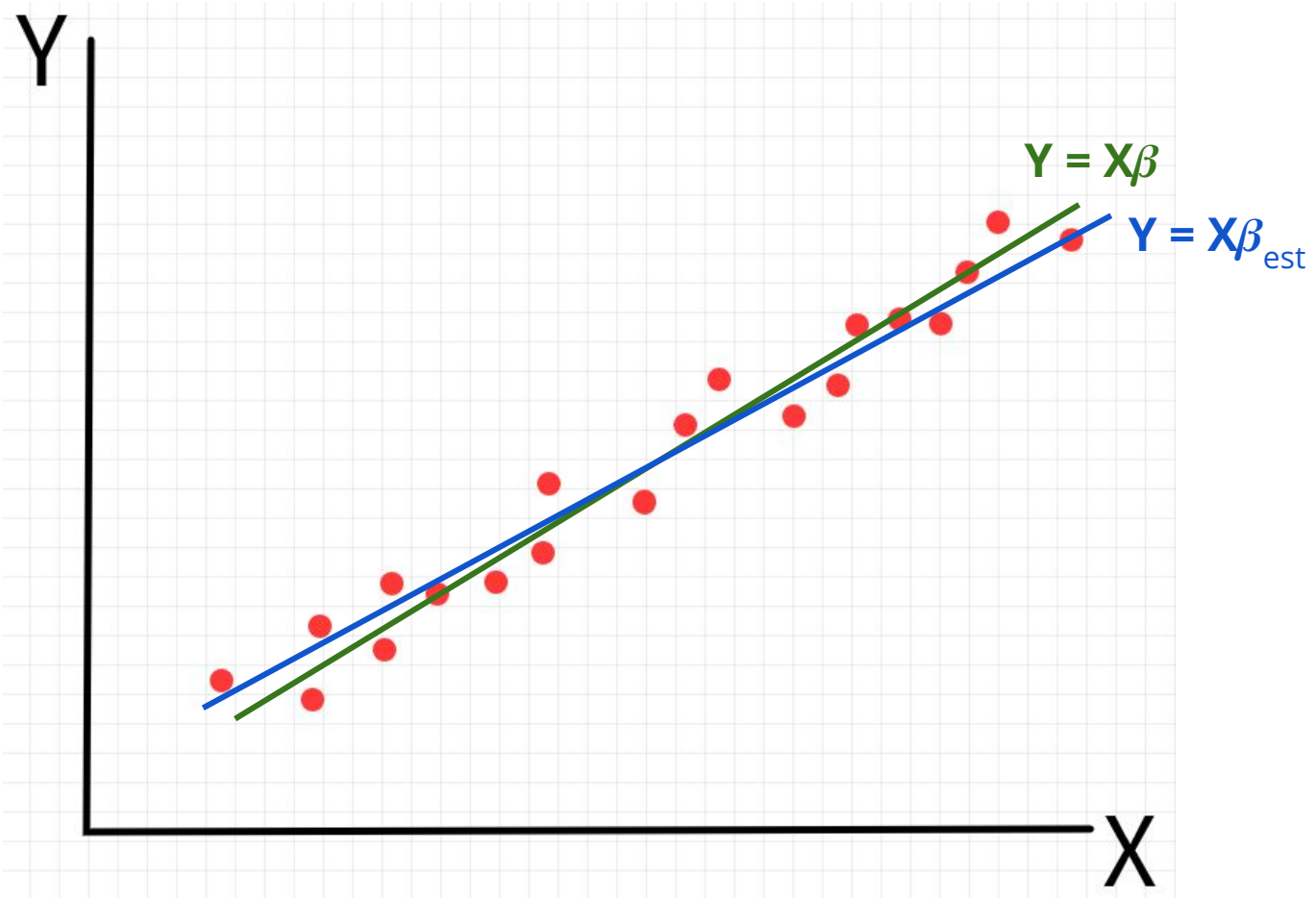
(a) 1-nearest neighbor (b) 2-nearest neighbor (c) 3-nearest neighbor

Refund	Marital Status	Income	Class
Yes	Single	125k	No
No	Married	100k	No
No	Single	70k	No
Yes	Married	120k	No
No	Divorced	90k	Yes
No	Married	60k	No
Yes	Divorced	220k	No
No	Single	85k	Yes
No	Married	75k	No
No	Single	90k	Yes




2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0


1.5
1.0
0.5
0.0
−0.5
−1.0
−1.0
−0.5
0.0
0.5
1.0
1.5

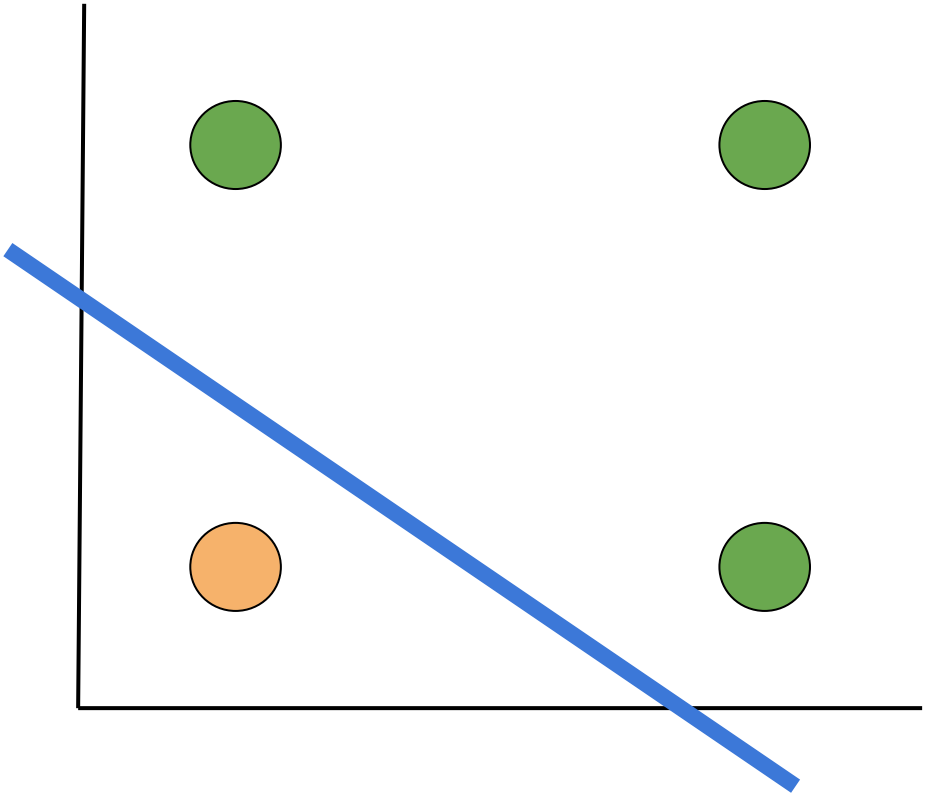

Y
X
Y = Xβ
Y = Xβest

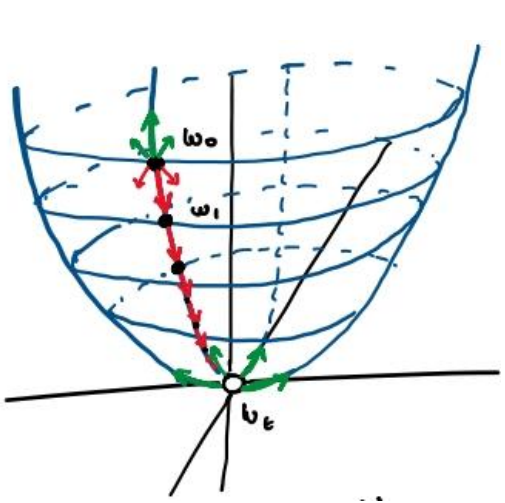
OLS Regression Results

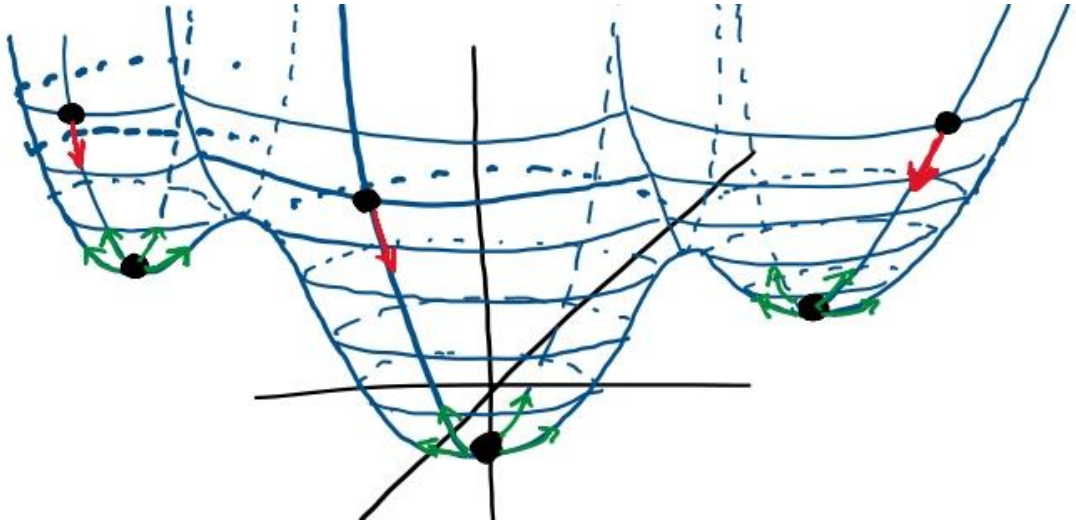
Dep. Variable:	y	R-squared:	0.840
Model:	OLS	Adj. R-squared:	0.836
Method:	Least Squares	F-statistic:	254.1
Date:	Sun, 20 Mar 2022	Prob (F-statistic):	2.72e-39
Time:	11:36:16	Log-Likelihood:	-482.37
No. Observations:	100	AIC:	970.7
Df Residuals:	97	BIC:	978.5
Df Model:	2		
Covariance Type:	nonrobust		

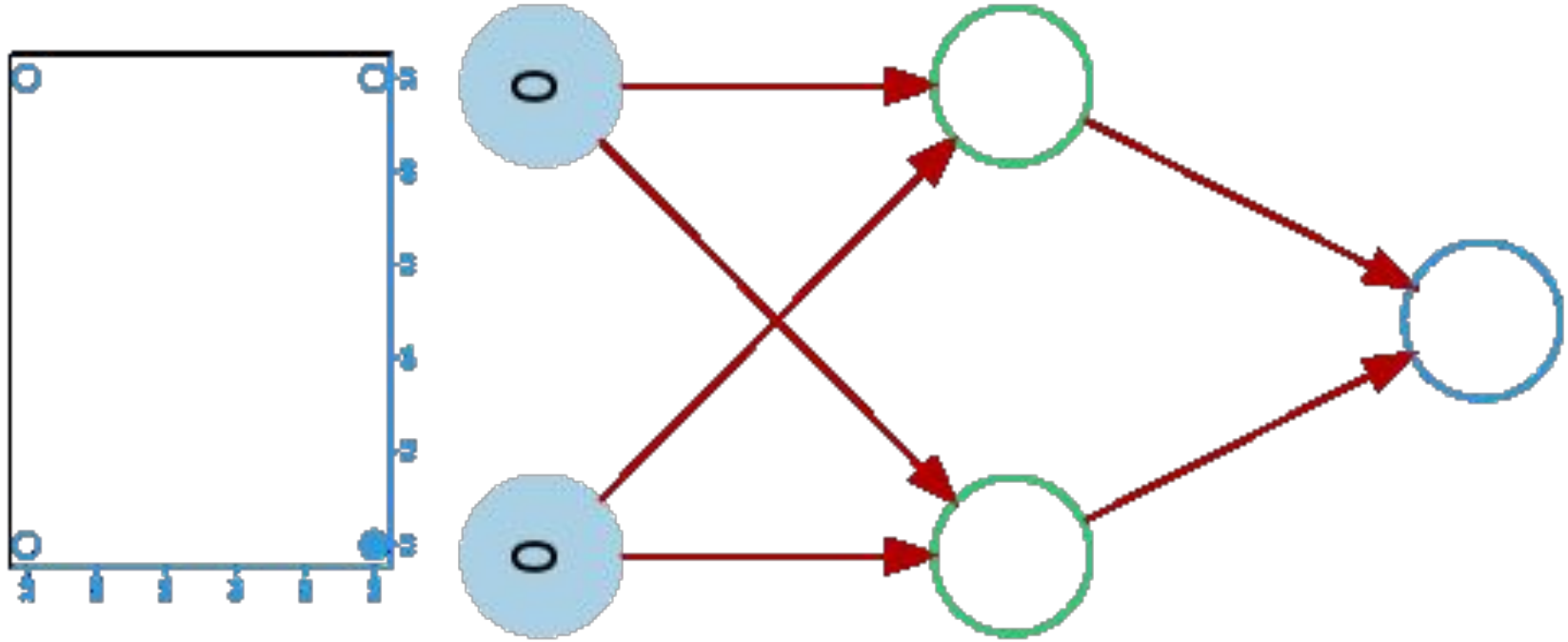
	coef	std err	t	P>|t|	[0.025	0.975]
const	2.1912	3.162	0.693	0.490	-4.085	8.467
x1	29.3912	3.274	8.977	0.000	22.893	35.889
x2	78.1391	3.594	21.741	0.000	71.006	85.272

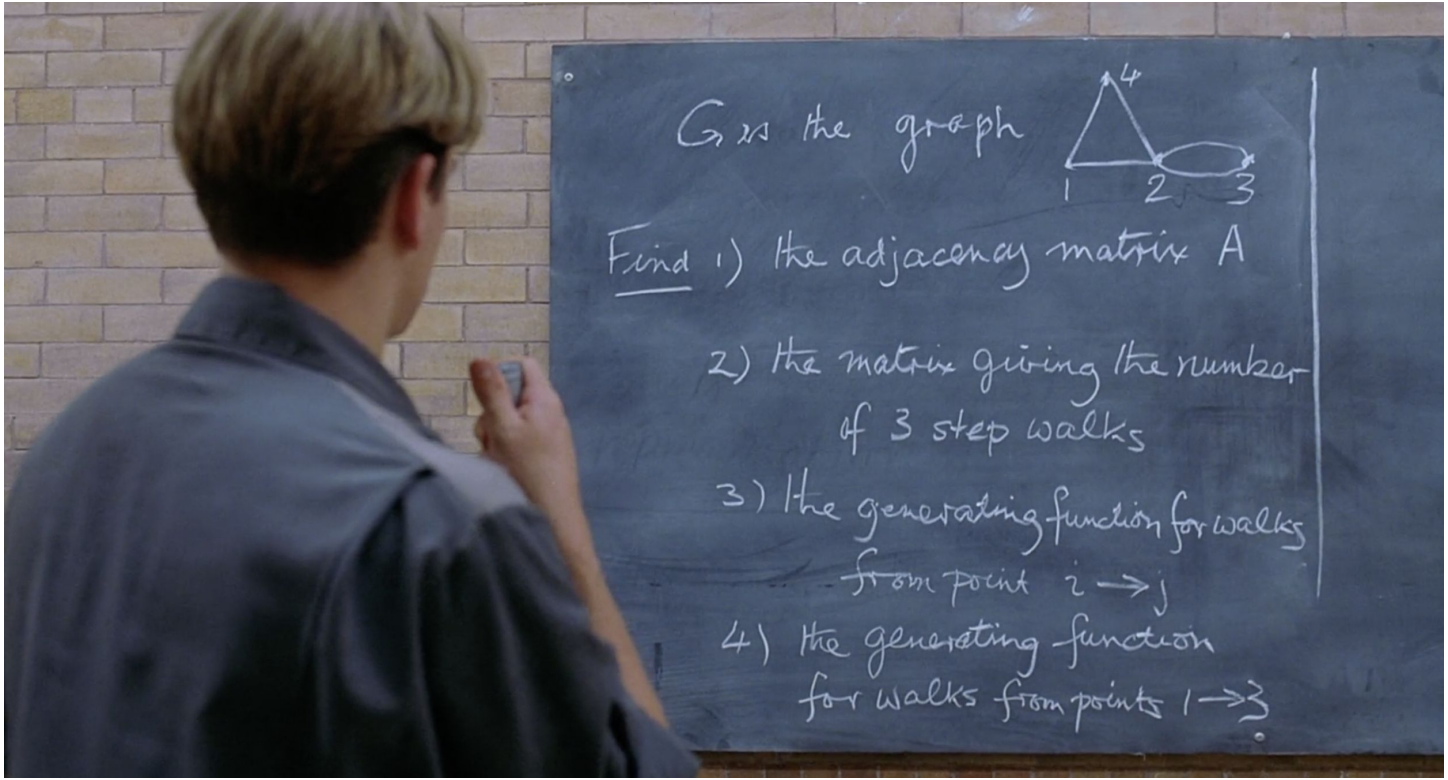
Omnibus:	1.279	Durbin-Watson:	1.824
Prob(Omnibus):	0.527	Jarque-Bera (JB):	1.065
Skew:	0.253	Prob(JB):	0.587
Kurtosis:	2.999	Cond. No.	1.38



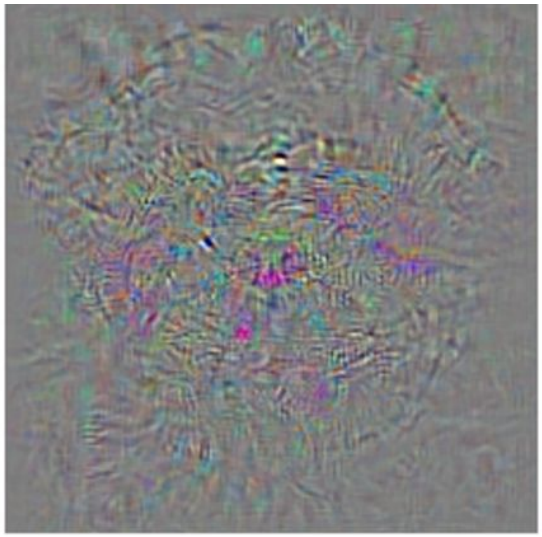

w_0
w_1
w_t



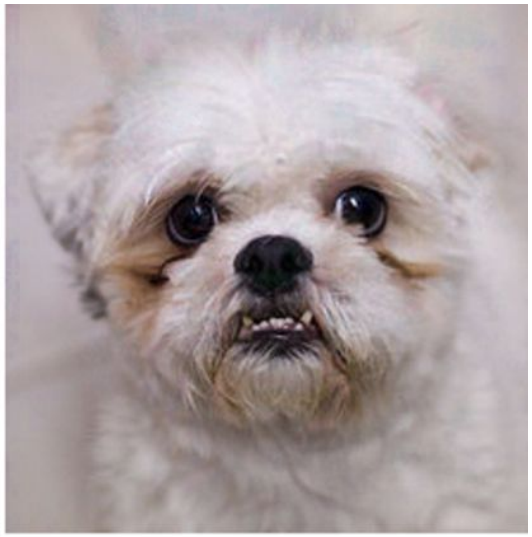



G is the graph
4
1
2
3
Find 1) the adjacency matrix A
2) the matrix giving the number of 3 step walks
3) the generating function for walks from point i → j
4) the generating function for walks from points 1 → 3

dog



+noise



ostrich