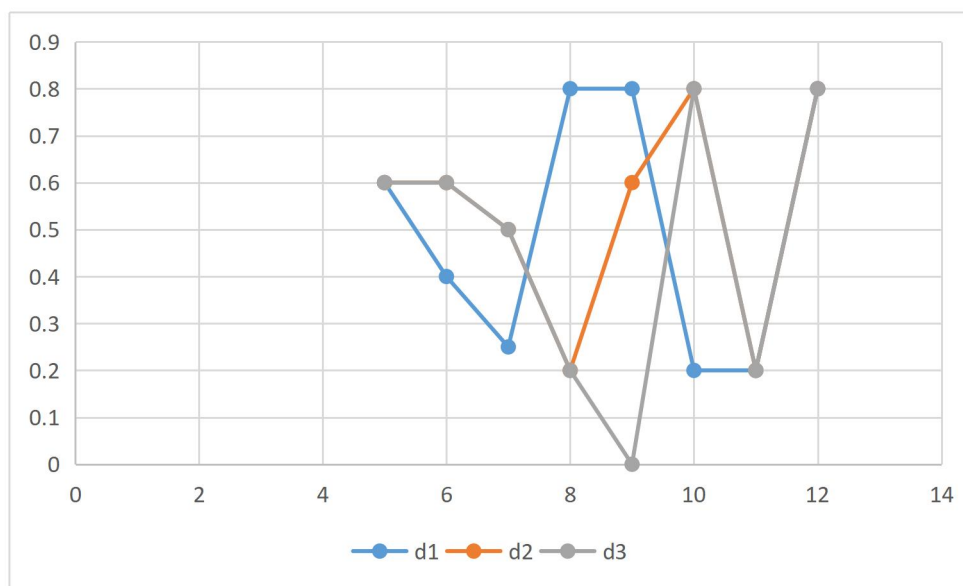


Weilin Lu
Assign-9
Linear_Models
Q1
X=open price
Y=close price

	$y=ax+b$	$y=ax^2+bx+c$	$y=ax^3+bx^2+cx+d$
a	-0.299	3.067	-10.3
b	116.533	12.851	6.5
c		-264.356	12.851
d			-144.192



Q2
Year 1 accuracy

Week	d1	d2	d3
5	0.6	0.6	0.6
6	0.4	0.6	0.6
7	0.25	0.5	0.5
8	0.8	0.2	0.2
9	0.8	0.6	0
10	0.2	0.8	0.8
11	0.2	0.2	0.2
12	0.8	0.8	0.8

I choose:week 8,week 10 and week 12

Year 2, accuracy

week	d1	d2	d3
8	0.4	0.4	0.4
10	0.4	0.4	0.4
12	0.6	0.6	0.6

Q3

	tp	tn	fp	fn	Accuracy
d1	7	0	8	0	47%
d2	7	0	8	0	47%
d3	7	0	8	0	47%

Q4

D1: Short position

D2: Short position

D3: Short position