		The state of the s
	Weijun Zhu	
1(a).		
	P[11up] 5/7 /7 1/7 6/7 8/4/	P[up]=7
(6 1)	P[1 Down] 4/5 0 5/5-1 0 3/5 4/5 1/5	
(V)	P[0 up] 3/7 4/7 6/7 1/7 1/7 3/7	P[down]=5
	P[01Down] 1/5 5/5=1 0 5/5=1 3/5 3/5 4/5	1 9,000
	Use Laplace Smooth, A=1 &=1; then we have:	
	6/9 4/9 2/9 1/9 1/9 5/9	
	- 5/1 V2 6/2 V2 3/2 2/2	
	36 56 7/9 3/9 2/9 4/9	
	2/7 6/7 1/9 4/9 3/7 5/7	e:
	1	
	·	

HW#02

Algorithmic Machine Learning

Algorithmic Machine Learning HW#02 Weijun Zhu. P[sinterestlow, bankrupcy]]up]×P[up]===x共x与x与x与x方x方x元 1(b). P[?interectLow, bankrupcy? [down] x P[down] = 专X 1X 0 X0 X 是 X 告 X 告 X 長 We can not make any decision, because both of them are zero. Use Laplace Smoothing, a=1 & B=2 (C). then We have P[{interestlow, bankrupcy}]up]xP[up]==青x春x青x青x青x青x青x青x青 =0.000 17/28 P[?interestLow, bankrupcy?/dawn] x P[down] ===x=x=x=x=x=x=x=x=x= = 0.000607/33 After we use Laplace Smoothing, and we detect that it will up more likely.



