CSCI 6364 Machine Learning

Homework 3

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6364	Hw3.
	1. False. less olds with grame complexity will cause underfit 2 false. It when the feature space is leaser, overfring is more likly. 3. False KNN is slower than Logistic Regression 4. True KNN has faster training time 5. True if the feature ruper is leaser than the training sample; 6 false. a prober bearing rate is required 7 True 8 True 9 True 10 false. Cross validation does hat Pleant overfitting
	26) + because large marginulue, the SVM boundary will work
	+ (+) - those point will case a brisish boundary. + (-) 1 those point will case a brisish boundary. 1 Those point will case a brisish boundary. 3). Name assumption the conditional independence theretich singulates the completion. 2 P(buy) = 1/14 P(youth buy) = 3 P(low) buy) 3/9
	P(buy) = 5/14 P (youth buy) = 35 P (low buy) = 1/5 P(student buy) = 6/9. P (fair buy) = 6/9 P(x buy) = 3 3 6 6 2 3249 = 0,049 P(x buy) = 3 1 1 2 6 0,0096 It and wed for An (2B) P(x buy) = 3 5 625 P(x buy) 10 94 P (2B) P(x buy)
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