Understanding Model Complexity

TOTAL POINTS 3

0 0	w do you add model complexity to a linear model? By adding features that are weighted sums of other features. By adding features at random to see what works. By adding non-linear feature expansions. You can't, linear models are always linear models. Correct Correct! Creating non-linear features allows linear models to capture non-linear relationships.
	By adding features at random to see what works. By adding non-linear feature expansions. You can't, linear models are always linear models.
. Wh	By adding non-linear feature expansions. You can't, linear models are always linear models.
. Wh	You can't, linear models are always linear models. Correct
W	✓ Correct
Wł	
Wł	
	nat is the point of regularizers?
\circ	They penalize model inaccuracy
•	They penalize model complexity
0	They make a loss function convex.
0	They fix the mistakes in training data
	Correct Correct! Regularization terms allow us to modify the objective function of a learning algorithm in order to penalize complexity as well as inaccuracy.
Ov	erfitting usually means:
0	Overfitting doesn't have anything to do with bias and variance.
0	Low bias, low variance
•	Low bias, high variance
0	High bias, high variance
0	High bias, low variance