Your	arad	o. 1	000/
Your	grad	е: т	.00%

Your latest: 100% • Your highest: 100% • To pass you need at least 70%. We keep your highest score.

Next item →

1.	When working with regularization, what is the view that illuminates the actual optimization problem and shows why LASSO generally zeros out coefficients? Analytical view Geometric view	1/1 point
	Probabilistic view Regression view Correct Correct The Geometric view illuminates the actual optimization problem and shows why LASSO	
2.	generally zeros out coefficients. When working with regularization, what is the view that recalibrates our understanding of LASSO and a Ridge, as a being problem, where coefficients have particular prior distributions? Probabilistic view Generality view	1/1 point
	Analytical view Regression view General Connect The Probabilistic view recalibrates our understanding of LASSO and a Ridge as a base problem where certificients have particular prior distributions.	
3.	When working with regularization, what is the logical view of how to achieve the goal of reducing complexity? Generative view Avalytical view Regression view Probabilistic view	1/1 point
	© Correct Correct The Analytical view is a logical view of how to achieve the goal of reducing complexity.	
4.	All of the following statements about Regularization are TRUE except: Optimizing predictive models is about finding the right bias/variance tradeoff. Peatures Should ravely or never be scaled prior to implementing regularization. We need models that are sufficiently complex to capture patterns in data, but not so complex that they overfit. Regularization techniques have an analytical, a geometric, and a probabilistic interpretation.	1/1 point
	© Correct Correct For more information review the Regularization Techniques lessons.	
5.	When working with regularization and using the geometric formulation, what is found at the intersection of the penalty boundary and a contour of the traditional QLS cost function surface? ② The cost function minimum A smaller range of coefficients The prior distribution of β A peaked density	1/1 point
	O correct Correct The cost function minimum is found at the intersection of the penalty boundary and a contour of the traditional OLS cost function surface.	
6.	Which statement under the Probabilistic View is correct? Regularization imposes certain errors on the regression coefficients. Feedback: Incorrect! Please review the further Details of Regularization lessons. Regularization imposes certain priors on the regression coefficients.	1/1 point
	Regularization uses some regression coefficients to inflate the errors. Regularization coefficients do not table into consideration prior probabilities. Cement Cornect For more information please review the Further Details of Regularization (Part 2) lesson.	
7.	Increasing 1,2/1, ponalties force coefficients to be smaller, restricting their plausible range. This statement is part of what View?	1/1 point
	Geometric View Probabilistic View Analytic: View Connect: Connect: Connect: Connect: Tornicone information please review the further Details of Regularization lessons.	
8.	What does a higher lambda term mean in Regularization technique?	1/1 point
	Higher lambda decreases variance, means smaller coefficients. Higher lambda increases variance, means smaller coefficients. Higher lambda decreases variance, means larger coefficients. Higher lambda decreases prior probability.	
9.	What concept/s under Probabilistic View is/are True?	1/1 point
	 We can derive the posterior probability by knowing the probability of target and the prior distribution. The prior distribution is derived from independent draws of a prior coefficient density function that we choose when replanting. 	
	12 (ridge) regularization imposes a Gaussian prior on the coefficients, while L1 (llasco) regularization imposes a Laplacian prior.	
	All of the above Cornect Cornect For more information please review the further Details of Regularization lessons.	
10.	What statement is True? (a) The goal of Regularization is always going to be to optimize our complosity trade off, so we can	1/1 point
	in each or regularization is always going to se to optimize our complexity trace on, so we can minimize error to the foll dust set. by penalizing the cost function, we increase the complexity of the model. We reduce the complexity of the model by minimizing the error on our training set. Introducing Regularization will increase bias and variance.	

Correct
 Correct For more information please review the further Details of Regularization lessons.