Started o	n Thursday, February 8, 2018, 7:31 PM
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Giau	5 60.00 Out of 60.00 (100 %)
Question 1 W	hich of following best describes bias-varience tradeoff?
Complete	
4.00 points out of	elect one:
4.00	μμ
	complex that is captures noise in the data.
	b. Finding a model that is not complex enough to learn from data but too complex that is captures noise in the data.
	c. It is a synonym for cross-validation.
	d. Learning the regularization term.
Question 2	hat is the purpose of a learning curve?
Complete	elect one:
4.00 points out of	To the Classical Color of the C
4.00	
	b. To display measures of model complexity versus model performance
•	c. Shows a convergence in the performance of an estimator on the training and validation data sets.
	d. To explore the relationship between model complexity and model performance.
Question 3 W	hat is the purpose of a validation curve?
Se	elect one:
4.00 points out of 4.00	a. Shows a convergence in the performance of an estimator on the training and validation data sets.
•	b. To explore the relationship between model complexity and model performance.
	c. To provide insight into the selection of an optimal hyperparameter value.
	d. To provides insight into whether a model is affected more by bias error or
	variance-error

Question 4 Complete	What module contains cross-validation iterators that were talked about in the Introduction to Overfitting notebook?
4.00 points out of	Select one:
4.00	a. sklearn.modelSelection
	b. sklearn.ModelSelection
	c. sklearn.mod_sel
	d. sklearn.model_selection
Question 5	Assuming our data are IID, which of the following are cross-validation iterators the scikit learn library provides?
Complete	Solici learn library provides:
4.00 points out of 4.00	Select one or more:
4.00	✓ a. KFold
	✓ b. Leave0ne0ut
	✓ c. StratifiedKFold
	✓ d. LeavePOut
	✓ e. GroupKFold
	✓ f. ShuffleSplit
	i. Sharrespeec
Question 6	Which of the following are hyperparameters for GridSearchCV in scikit learn
Complete	model_selection module?
4.00 points out of	Select one or more:
4.00	✓ a. param_grid
	b. learning_rate
	✓ C. CV
	d. class
	✓ e. estimator

Question 7 Complete 4.00 points out of 4.00	How does Parameter Grid work? Select one: a. It provides an interface that automatically constructs a grid of all possible combinations that can be used in a grid search. b. It constructs a dictionary that maps the hyperparameters to the hyperparameter values. c. It defines a grid of parameter values, applies the model over all possible
	parameter value combinations in the grid. d. It randomly selects possible hyperparameter combinations from the supplied grid of values to identify good parameter combinations.
Question 8 Complete 4.00 points out of 4.00	How does multi-dimensional grid search work? Select one: a. It randomly selects possible hyperparameter combinations from the supplied grid of values to identify good parameter combinations. b. It extends grid search to multiple hyperparameters by constructing a dictionary that maps the hyperparameters to the hyperparameter values c. It constructs a grid of all possible combinations that can be used in a grid search.
Question 9	Which of the following best describes Model Selection?
Complete	Which of the following best describes widder delection:
4.00 points out of	Select one:
4.00	a. Choosing the best model for a given dataset.
	b. Removing parameters from a dataset.
	c. Adding parameters to a dataset.
	d. Removing bad models from a dataset.

Question 10	How does Grid Search (not randomized) work?
Complete 4.00 points out of 4.00	Select one:
	 a. It randomly tries different combinations of parameters and finds the worst combination.
	 b. It defines a grid of parameter value combinations and finds the best combination.
	 c. It randomly tries different combinations of parameters and finds the best combination.
	 d. It defines a grid of parameter value combinations and finds the worst combination.
Question 11 Complete 4.00 points out of 4.00	To fit a polynomial we can use the estimator to generate a new feature matrix that transforms the input array (in our case the sample independent variables) into polynomial terms.
	Select one:
	a. Polynomial
	b. PolynominalFeatures
	c. PolynomialFeatures
	d. PolynomialClassifier
Question 12 Complete	The ElasticNet class employs which of the following parameters:
4.00 points out of	Select one or more:
4.00	✓ a. alpha
	_ b. beta
	✓ c. I1_ratio
	d. learning_rate

Complete 1.00 points out of 1.00	Ridge Regression, LASSO imposes a penalty and leads to solutions."		
	Select one:		
	a. L1 norm ; sparse		
	b. L2 norm ; sparse		
	c. L2 norm ; dense		
	od. L1 norm; dense		
Question 14	What is regularization primarily used for?		
Complete	Select one:		
4.00 points out of 4.00	a. To scale data.		
	b. To encourage overfitting.		
	c. To scale features.		
	d. To prevent overfitting.		
Question 15 Complete	What is the fundamental idea in regularization?		
4.00 points out of	Select one:		
4.00 points out of	a. Add data to the model.		
	 b. Add additional information to the model selection process to affect the model behavior. 		
	c. Remove parameters from the model		
	 d. Remove information from the model selection process to affect the model behavior. 		