	d on Thursday, February 15, 2018, 11:34 PM
S	tate Finished
Completed	Thursday, February 15, 2018, 11:52 PM
Time ta	ken 17 mins 53 secs
Gr	56.00 out of 60.00 (93 %)
Question 1 Complete	Are data scientists required to write specific fit and transform functions when using ML Automator framework?
4.00 points out	Select one:
of 4.00	a. No
	b. Yes
Question 2	What key simplifying assumption is made by the Naive Bayes Algorithm?
Complete	
4.00 points out	Select one:
of 4.00	a. Features are independent given the target class
	b. The data are independent
	c. The features are assumed to follow a normal distribution
	d. Features are independent
Question 3	What hyperparameters does GaussianProcessClassifier estimator accept?
Complete	
Complete 4.00 points out	Select one or more:
	Select one or more: a. priors
4.00 points out	
4.00 points out	a. priors
4.00 points out	a. priors✓ b. kernel

Question 4 Complete 4.00 points out of 4.00	Which distribution should you use with the Naive Bayes Algorithm for continuous features? Select one: a. Poisson b. Multinomial c. Bernoulli d. Gaussian
Question 5 Complete 4.00 points out of 4.00	Which distribution should you use with the Naive Bayes Algorithm for discrete binary features? Select one: a. Bernoulli b. Multinomial
	c. Poisson d. Gaussian
Question 6 Complete 4.00 points out of 4.00	How does Gaussian Process work? Select one: a. It involves a mean function and a covariance function. b. It constrains a covariance function of the training data features to generate a model representation of the data. c. It models data via a finite collection of random variables. d. It supports the estimation of a model but not confidence intervals.
Question 7 Complete 4.00 points out of 4.00	The ML Automator requires a user to specify a model config in the notebook. What is the purpose of this model config? Select one: a. To tell the framework where to locate the training table, how many compute resources to allocate for training, and how scores will be computed. b. To lower the cost of model development. c. To wrap the transform function as a Python UDF for distributed scoring. d. To specify how training will be done exactly.

Question 8 Complete 4.00 points out of 4.00	Fill out the following sentence according to the Airbnb example: "In applications such as insurance or credit screening, a model needs to be In applications such as image classification, it is much more important to have a classifier".		
	Select one:		
	a. performant; interpretable		
	b. interpretable; performantc. flexible; interpretabled. interpretable; interpretable		
		Question 9	
		Complete	Which library in sklearn contains a class that can create a Gaussian Process Regressor?
4.00 points out	Select one:		
of 4.00	a. sklearn.gaussian_process.GaussianProcessClassifier		
	b. sklearn.gaussianProcess.GaussianProcessRegressor		
	c. sklearn.gaussian_process.GaussianProcessRegressor		
	d. sklearn.gaussianprocess.GaussianProcessRegressor		
10			
Question 10 Complete	Which libraries includes classes and/or functions specially tailored to Gaussian Process Models?		
4.00 points out	Select one or more:		
of 4.00	a. matplotlib		
	✓ b. scikit–learn		
	✓ c. GPflow		
	✓ d. PyMC3		
	e. math		
Question 11 Complete	What is alpha parameter used for in MultinomialNB estimator?		
4.00 points out	Select one:		
of 4.00	a. It indicates if the prior should be learned from the data.		
	b. It specifies the class prior probabilities		
	c. It provides a threshold to map features into binary vectors		
	 d. It is an additive smoothing parameter that will remove fluctuations in smaller training data sets. 		

Question 12	What's the primary hyperparameter for a gaussian process?
Complete	Select one:
4.00 points out of 4.00	a. random_state
01 4.00	b. optimizer
	c. alpha
	d. kernel
Complete	an Airflow machine learning pipeline?
0.00 points out	Select one:
of 4.00	a. ML Infra
	o b. LTV
	o c. UDF
	d. ML Automator
Question 14	According to the reading materials, what are two main categories of machine
Complete	learning algorithms?
4.00 points out	Select one or more:
of 4.00	✓ a. Unsupervised learning
	□ b. Instance–based learning
	c. Logic learning
	✓ d. Supervised learning
Question 15 Complete	What hyperparameters does Binomial naive Bayes estimator in the scikit learn naive_bayes module take?
	II - A
4.00 points out of 4.00	Select one or more:
	Select one or more: a. alpha
	✓ a. alpha