Summer Analytics 2022

A primer course on Data Science and Machine Learning

Week 3 Quiz (Graded)

Total points 17/30



Hope that you've gone through the course content for week-3 as well as the covered assignment before attempting the quiz.

- This form accepts the solution only once, so make sure you don't press the submit button accidentally. No requests will be entertained.
- Use the SAME email ID which you used for registering for Summer Analytics 2022.
- Please follow the honor code, which otherwise may lead to harsh actions being taken.

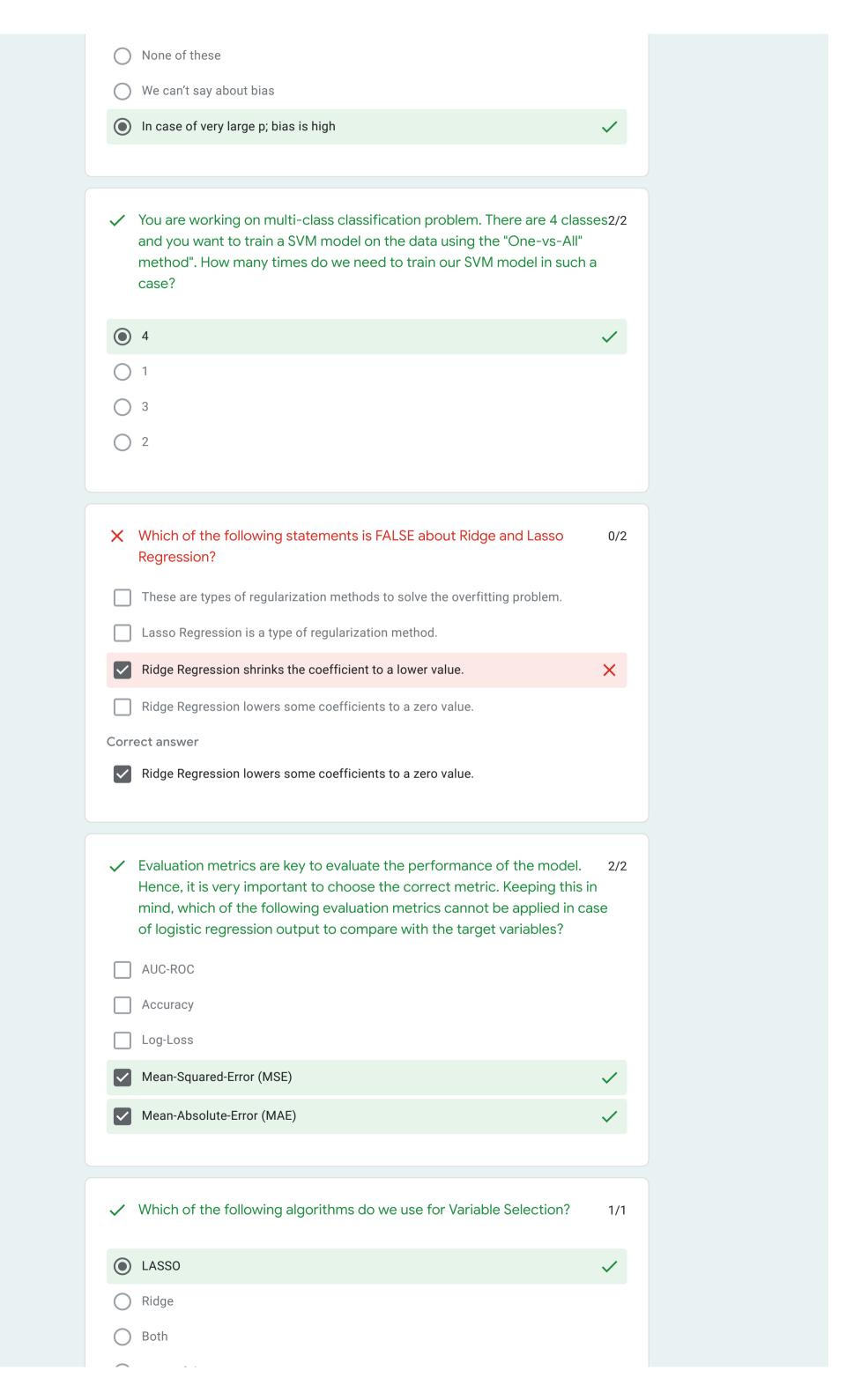
All the best :)	
Email * hridayagrawal0102@gmail.com	
	0 of 0 points
Name * Hriday Agrawal	
Enrolment ID * This is a 5-digit number of the form XXXXX. It can be found in the enrolment confirmation you. 41395	mail sent to
Are you from IIT Guwahati ? * Yes No	
If you are from IIT Guwahati , provide your roll no.	

Graded Quiz

9 of 21 points

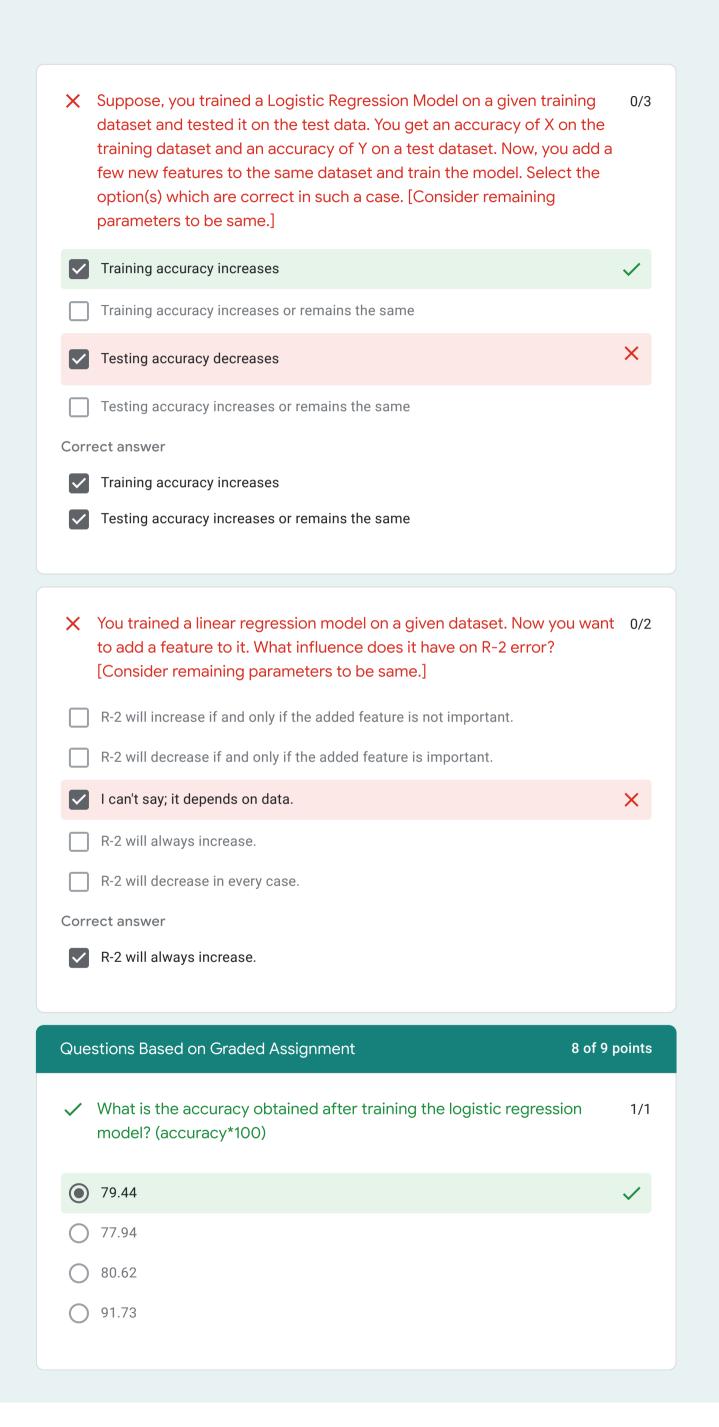
✓ You are given a dataset for which you have to fit a complex regression 2/2 model. Suppose you are using Ridge Regression with a penalty p. Which of the following options describe bias in the best way?

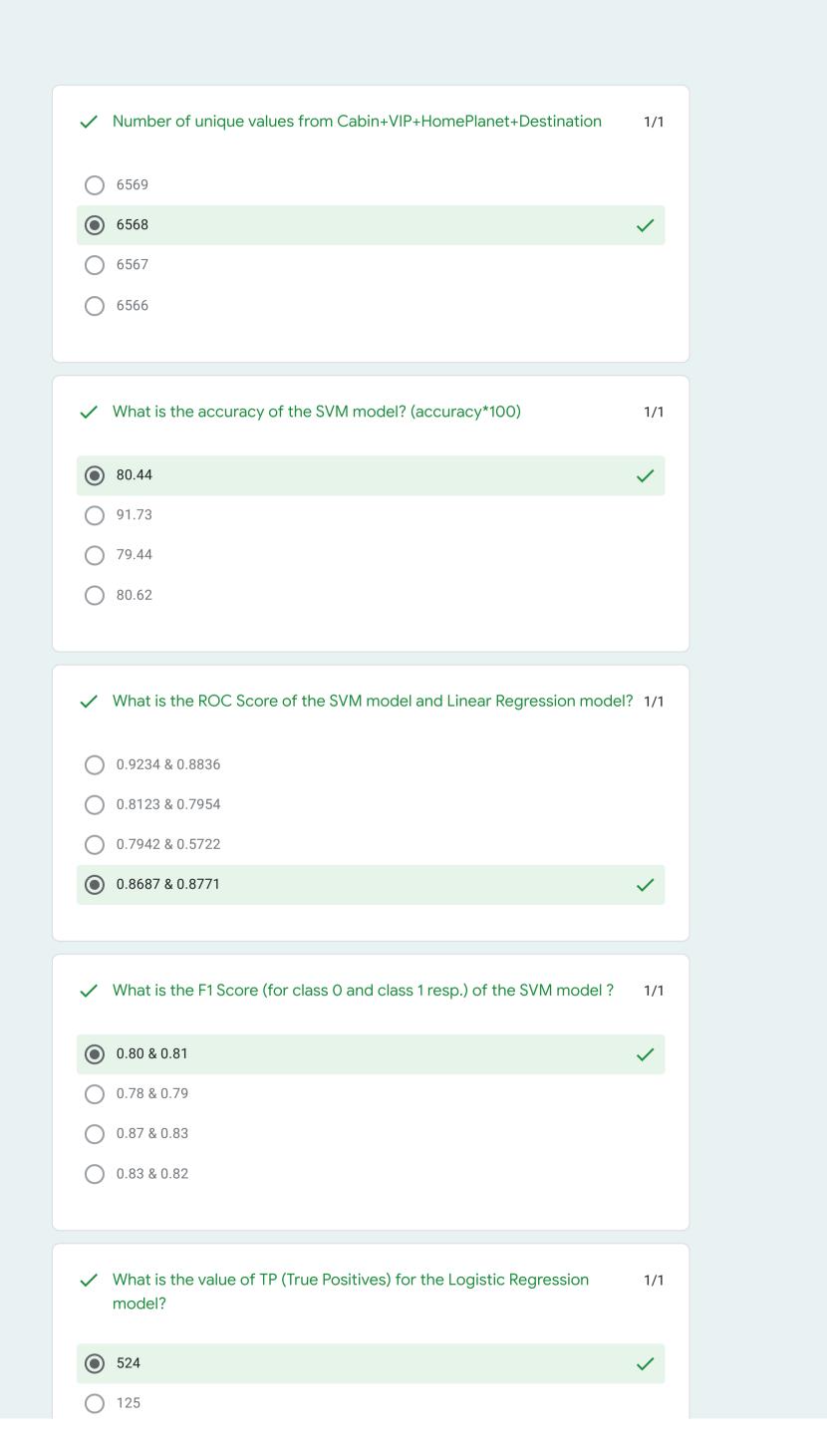
In case of very large p, bias is low

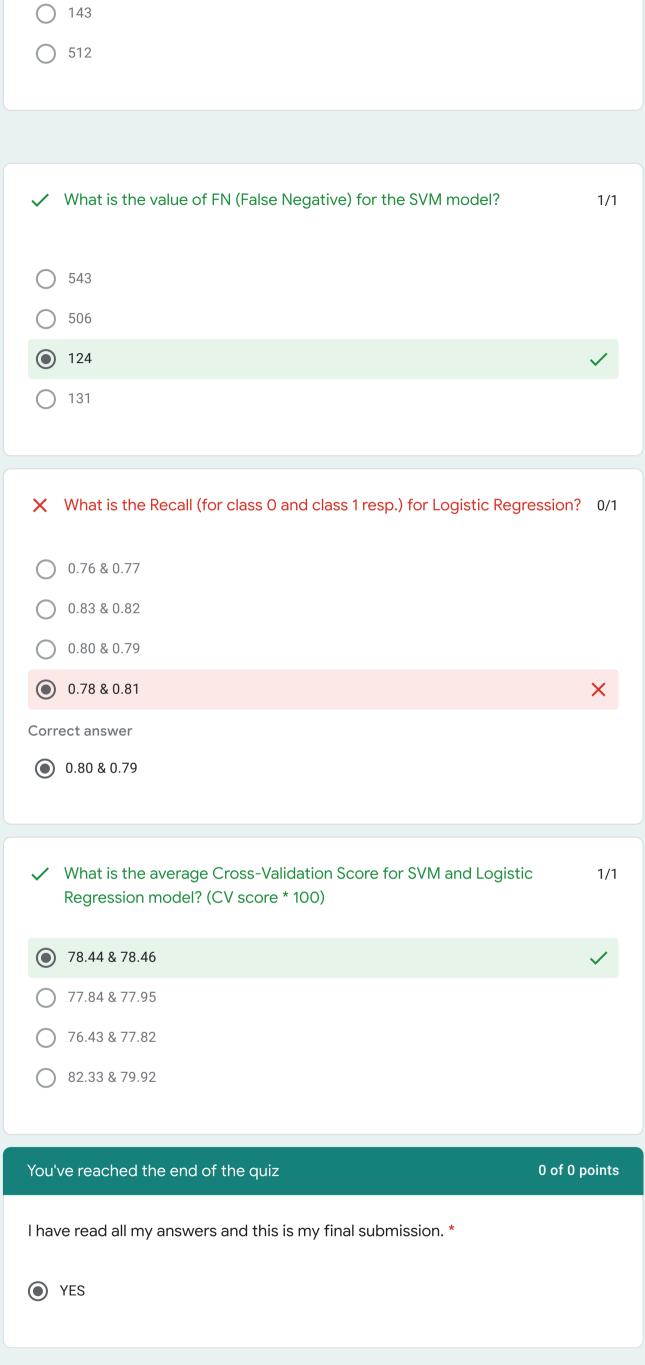


✓	Suppose you got a job at YouTube HQ. Your job is to build a classifier so 2, that videos are safe for kids. Your aim should be	/2
0	High Recall	
	High Precision	•
0	High Accuracy	
0	None of the above	
×	You are given a task at hand to train a SVM (Support Vector Machine) with an RBF kernel. You observe that the model is underfitting the training data. What should one change?	/2
•	Increase Gamma and Decrease C	
\bigcirc	Decrease Gamma and Increase C	
\bigcirc	Increase Gamma and Increase C	
\bigcirc	Decrease Gamma and Decrease C	
Corr	rect answer	
•	Increase Gamma and Increase C	
×	Feature Normalization is a scaling technique in which values are shifted on and rescaled so that they end up ranging between 0 and 1. We usually use it before using a Gaussian Kernel in a SVM model. What is true about feature normalization?	/3
	We do feature normalization so that the new features will dominate the other	
	Sometimes, it is not feasible to use feature normalization such as in the case of categorical variables.	•
	Feature normalization always helps when we use Gaussian Kernel in SVM	
	All of these	
Corr	rect answer	
/	We do feature normalization so that the new features will dominate the other	
~	Sometimes, it is not feasible to use feature normalization such as in the case of categorical variables.	

None of these







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