Lab 4 GSI grading

This form contains the final scores and comments from the GSI.

The respondent's email address (rebeccabarter@berkeley.edu) was recorded on submission of this form.

Name of students in group *

Olivia Angiuli, Miyabi Ishihara, Yizhou Zhao



Readability of report (5 points)	Readability	of report	(5 points)	*
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1	2	3	4	5	
0	0	0	0	•	Narrative very clear and/or easy to read
ort (5 po	oints) *				
1	2	3	4	5	
0	0	0	0	•	Excellent written grammar
	O ort (5 pc	ort (5 points) * 1 2 3 4 5			

Comments about readability

EDA & model choices

Did not discuss appropriateness

of methods

chosen

Exploratory data	a analysi	s *				
	0	1	2	3	4	
Did not provide any exploratory figures or numerical summaries of the data						Provided clear, relevant figures and summaries of the data
Comments abou	ut EDA					
Very clear figures!						
Provided no figures, justification of variable selection	variable 0	selection 1	1 *	2	3	Described clearly and thoughtfully which figures are best and provided insightful figures
Comments abou	ut variab	le selecti	ion			
Some more quantita most predictive pow		ods could h	nave been	used to ide	ntify whicl	n variables have the
Appropriateness	s of pred	iction me	ethods *	r		
	1		2		3	

Clearly outlined

the assumptions

and reasons for choosing each

model

Comments on classifiers

Model perfori	mance
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Depth of exploration concerning model fit and convergence *

	0	1	2	3	4	
Did not discuss model fit	0	0	0		0	Clearly described how well each model
						fit from a variety of different
						angles. Provided
						informative and
						high-quality
						visualizations

Thought about how to appropriately use cross-validation *

	0	1	2	3	
Did not consider CV carefully				0	Clearly outlined that pixels should be grouped in some way when doing
					CV

Comments on model fit and convergence

Good idea to use entire images for the CV folds, but this does mean that you can't withhold an entire image as a final untouched validation/testing set. Your final model will have used all of the data you have! Another option is to segment one or two of images into grids and use the panels of the grid as the CV folds.

It is hard to compare the individual methods to one another the way you have presented them. It would have been good to see a plot that compared LDA, QDA, RF, etc.

Depth of explora	ation on	patterns	ın misci	assificat	ion error	S ^
	0	1	2	3	4	
Did not explore patterns						Clearly explored and visualized patterns in misclassificatio n errors
Comments on p	atterns i	n miscla	ssificatio	on		
Nicely done with yo misclassifications o	_			-	_	
Justification of	using mo	odel on fo	uture da	ta * 2	3	
Did not justify answer to whether or not the model would work well on future data	0	0		0		Clearly explained why or why not the model would work on future data
Comments on u	ısing mo	del on fu	ture data	a		
Reproducibility						

	0	1	2	3	
Did not provide all files needed					Provided all files necessary and clearly labelled how to reproduce all analyses (i.e. which files produce what and how they all fit together)
Comments on re	eproducib	ility			
Conclusion One or more this	ngs that w	ere well do	ne		
Your figures were ve	ery clear (if w	vith a bit of ove	erplotting). Ev	erything wa	s explained well.
					s explained well.
Your figures were ve	ngs that co der adding a and smooth	ould be imp smoothing la s them so tha	proved upor	າ our final cla	ssifier which takes

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