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 *

Alan Dong, Amy Ko, Xiao Li



Readability of report (5 points) *

	ı	2	3	4	3	
Narrative unclear and/or difficult to read	0	0	0	0	•	Narrative very clear and/or easy to read

Grammar of report (5 points) *

1

la a a una at societa a			
Incorrect written			Excellent writter
grammar			grammar
pervasive			

3

5

Comments about readability

Careful with LaTeX quotes: left quotes are `` and right quotes are ".

2

EDA & model choices

Exploratory dat	a analys	is *				
	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 abo	ut EDA					
Nice correlation plo	t. Changin	ng the expe	rt labels fro	om -1, 0, 1 to	cloudy",	"unsure", "not

cloudy" (or whatever the order is) would help with reading your density figures, but they are

Justification of variable selection * 0 1

Provided no figures, justification or discussion of variable selection

very clear otherwise.

11/29/2017

2 3 Described clearly and thoughtfully which figures are best and provided insightful figures

Comments about variable selection

A lot more discussion and exploration (beyond simply comparing the densities) could have gone into which variables were the best for the task.

Appropriateness of prediction methods *

Did not discuss appropriateness of methods chosen

3

Clearly outlined the assumptions and reasons for choosing each model

Comments on classifiers

Good job exploring the model assumptions. I like your discussion of LDSD -- pixels near one another should definitely have the same classification output! Excellent job defining a simple classification rule with the LDSD threshold.

Keeping the colors constant in Figure 8 would have helped with comparison, but you have done an excellent job thinking through the problem!

Model perform	ance					
Depth of explor	ation cor	ncerning i	model fi	t and cor	nvergenc	e *
	0	1	2	3	4	
Did not discuss model fit			0			Clearly described how well each model fit from a variety of different angles. Provided informative and high-quality visualizations
Thought about	how to a	ppropriat	ely use o	cross-val	idation *	
	0	1		2	3	
Did not consider CV carefully	0	0		0		Clearly outlined that pixels should be grouped in some way when doing CV

Comments on model fit and convergence

It might have been interesting to compare different versions of cross-validation (e.g. what if you did 20-by-20 blocks instead of 5-by-5?).

De	nth	Ωf	ρyr	olora	tion	οn	pattern	s in	misc	lassif	ication	errors	*
DC	Pui	ΟI	CV	JIUI a	UOH	UH	pattern	3 III	111136	ıassıı	ıcatıcı	C11019	

	0	1	2	3	4	
Did not explore patterns	0	0	0	•	0	Clearly explored and visualized patterns in misclassificatio
						n errors

Comments on patterns in misclassification

A bit more exploration (e.g. visual exploration) would have made your analysis of misclassification errors stronger.

Justification of using model on future data *

	0	1	2	3	
Did not justify answer to whether or not the model would work well on future data	0			0	Clearly explained why or why not the model would work on future data
ruture data					uata

Comments on using model on future data

I'm not necessarily convinced that your methods will work for future data. You only trained on 1 image, and you have seen that your model worked reasonable well for another 2 images, but there are thousands of possible images out there! I think we would need to collect more evidence to conclude that the model would work well. In addition.... what if the labels we received were incorrect in the first place?



Everything was p	orovided i	n order for	reproducibi	lity *	
	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			
Thanks for providing	the READM	1E!			
One or more thin				all done I n	articularly like that
Your report was very you came up with a	-	-	_	_	-
One or more thir Some more analysis report excellent.			•		ıld have made your
Other comments	6				

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