

Lab 4 GSI

Names of group members *

Fan Dong, Mengling Liu, Nicholas Sim

Readability of report (5 points) *

	1	2	3	4	5	
Narrative unclear and/or difficult to read	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Narrative very clear and/or easy to read

Grammar of report (5 points) *

	1	2	3	4	5	
Incorrect written grammar pervasive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Excellent written grammar

EDA and model choices

Exploratory data analysis (4 points) *

	0	1	2	3	4	
Did not provide any exploratory figures or numerical summaries of the data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Provided clear, relevant figures and summaries of the data

Comments about EDA

Very clear

Justification of variable selection *

	0	1	2	3	
Provided no figures, justification or discussion of variable selection	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Described clearly and thoughtfully which variables are best and provided insightful figures

Comments about variable selection

I like that you used LASSO in addition to the EDA

But I don't see where you actually present the results

Appropriateness of prediction methods *

	0	1	2	3	
Did not discuss appropriateness of methods chosen	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Clearly outlined the assumptions and reasons for choosing each model

Comments on classifiers

You should discuss the assumptions of the methods and whether they are violated

Model performance

Depth of exploration concerning model fit and convergence *

	0	1	2	3	4	
Did not discuss model fit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Clearly described how well each model fit from a variety of different angles. Provided informative and high quality visualizations.

Though about how to appropriately use cross-validation *

	0	1	2	3	
Did not consider CV carefully	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Clearly outlined that the pixels should be grouped in some way when doing CV

Comments on model fit and convergence

Your CV is fine, but when you make a hold out set it should be random instead of choosing it after EDA

Depth of exploration on patterns in misclassification errors *

	0	1	2	3	4	
Did not explore patterns	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Clearly explored and visualized patterns in misclassification errors

Comments on patterns in misclassification

In your figure, you should have made the cloud and not cloud labels the same as the expert (i.e. orange for 1 and blue for -1)

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	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Clearly explained why or why not the model would work on future data

Comments on using model on future data

You very briefly touch on this, but more discussion would have been good

Reproducibility

Everything was provided in order for reproducibility *

	0	1	2	3	
Did not provide all files needed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	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 reproducibility

Conclusion

One or more things that were done well

Overall good analysis and good job evaluating your model

One or more things that could be improved upon

There were just some places where more clear discussion would have helped with the readability

Other comments

.....



This form was created inside of UC Berkeley.

Google Forms