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#627 Project 1: Finding the Higgs

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Submitted

Submission 26 Oct 2020 3:58:22pm CET · 9987fa82

▶ **Authors**

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Code submission

Opt-B: Username AND Submission ID on Alcrowd
username: FlorianGr
submission id: 92737

▶ **Topics**

	PDFRepSco	CodQuaSco
Review #627A	6	B
Review #627B	6	C

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Reviews in plain text

Review #627A

PDF report feedback

+ Proper hyperparameter selection using grid search.
+ Cross-validation is done properly.
+ All the required algorithms are covered in the report.
+ Figures are helpful in understanding the results.
- A few more tables/figures could helped save more space for a more detailed discussion.
- Usage of SGD could have helped logistic reg. to converge faster.
- A more extensive exploratory data analysis would have been helpful.

PDF report score

6. 70%

Code feedback

+ Code is easy to read and understand.
+ README.md seems adequate.

Code quality score

B. Adequate (full score)

Review #627B

PDF report feedback

- Handling error values: in the end did you keep the values at -999 ? It is not clear from the report
- Decisions are generally not well motivated
+ Good thing to spot the class imbalance, but removing data should be the last thing you try, you could have tried oversampling the minority first
- Seeing the degree plot should make you think why the curve is not smooth. This is due to the fact that using a 10-fold yields a small test set and therefore the accuracy would be less significant
+ Good plot for the hyperparameter tuning
- You should have reported the parameters and results of all the models for reproduciblity

PDF report score

6. 70%

Code feedback

- You didn't mention the python and numpy version in readme
+ Code is concise and well documented
- Your prediction produce a score of 0.797, whereas in the submission it states it is 0.82

Code quality score

C. Needs small improvements

+ Add Comment

HotCRP