

Peer Review №1: OMS on FES

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1. **Are project objectives clearly explained? If not write what was not clear. Provide your opinion on the problem.**

The authors have provided a complete and high-quality description of the problem they are going to solve. The main theoretical nuances of the methods under consideration, as well as the shortcomings of the practical solutions used at the moment, were highlighted. Still, we recommend to include more details on implementation of existing practical libraries, for better understanding of project goal.

2. **Is proposed baseline solution relevant to the problem? Could you recommend something to the team?**

The authors will create useful framework to test and compare different feature selection approaches. As a baseline method they have chosen permutation importance method implemented in scikit-learn library. Also, they will provide advanced Normalised Iterative Hard Thresholding and Simultaneous Feature and Feature Group Selection through Hard Thresholding methods, which are clearly described in report. In our point of view, it's great choice, due to the relevance of these methods, and, therefore, project will be helpful for researchers.

3. **Is it clear from the report how the team is going to test / evaluate the results?**

It's pretty clear how team will evaluate the result. All necessary parts like datasets, metrics and methods are fully described.

4. **Is it possible to guess next project development steps from the report and github repository? What a team is going to do next, provide with 3 next possible steps?**

We see the process of further project development in the following way:

- Thinking over a suitable API and implementation of described methods.
- Implementation of evaluation protocol, including synthetic data algorithms.

- Evaluation and tests.

5. **Would you recommend to improve the report and how? Or it is all good.**

In our point of view, the authors may include section about existing implementations of feature selection libraries. By now it's not very clear what exact problems one can face using them.

6. **Is project github repository easy to follow?**

The GitHub repo is well organized and easy to follow.