

First peer review for Deep Vectorization of Technical Drawings

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

Project objectives are clearly explained. The goal of this project is to make an easily reproducible repository (more precisely continue upgrading existing) and good documentation for public use to work with Deep vectorization.

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

- there is a better baseline solution exists.

- there are good datasets available for this problem to evaluate on

The baseline solution is to release the initial code(code from research) without refactoring. The authors want to improve the code structure from the base solution, so yes, the baseline is relevant. I will advise the authors to use the frameworks that we were told about in the courses.

3. Is it clear from the report how the team is going to test / evaluate the results? (not only metrics but code and bugs). Could you recommend something here?

As I understand it, the evaluation of the result of this task is quite subjective, because it is the style of the code and so on.

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?

Yes, it is possible. I can provide 10.

1. Create code for visualization(rewrite tensorboard code to make it work or use wandb). 2. Create a python script for evaluating models on images. 3. Make Jupyter notebooks to show how to use different parts of pipelines with descriptions. 4. Create documentation for the repository. 5. Make description for most used functions 6. Make a docker file or docker image for the repository. 7. Make available models(some of them should be trained again). 8. Make setup.py. 9. Make requirements document. 10. Correct train.py to make it work and where possible refactor code.

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

I would like the report to contain more information about Deep Vectorization of Technical Drawings.

6. *Is project github repository easy to follow?*
The repository is small, everything is clear.