

Yifan Yao

Project update 1

Progress:

My project label is gender, so I set Male as 1 and Female as -1 for preprocessing. For parameter I choose, as my data is all about feature on the face, for now I chose all of them. I have tried SVM as I said in proposal, but it runs warning and strange output (like 4.5 for error rate). I am still need time to find reason. For now, I have tried LASSO and least square classification. With cross validation for 5 group with 1000 columns in each, the error rate for using LASSO is 0.0529 and for least square is 0.0512, both is acceptable.

Link: <https://github.com/Mieggv/face-gender-classify/blob/main/532%20project.ipynb>

Plan:

I am following my timeline. I may try other algorithm like ridge regression and finding reason for not work about SVM next coup week. And after learning Neural Networks, I will using it and it should be shows in the next update.

GitHub: <https://github.com/Mieggv/face-gender-classify>