Weekly Report

Number:5

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Recap

This week I mainly put my effort on the project. Senior Wei Guo shows me a project which works really well on Kaggle competition. I tried this.

Model

- This project uses 3 fancy models, including ResNet50, Inception v3, Xception. The author adds the 3 features of the 3 models together to form a new feature.
- The author submits the model to Kaggle. Result shows that the model ranks 20/1314. It's an excellent model.

Experiment

- Firsly, I tried this on Airplane dataset. However, owning to the wrong annotations, the training set is not so good. As a result of that, the classification is only about 60%. So we need to switch to another set.
- Then I use another dataset of birds. The accuracy on validation set has reached 95%. Since we already have the whole dataset, if I use all the dataset, the accuracy on the whole dataset can reach 99%. Even I split the dataset to training set, validation set and test dataset, the accuracy on test dataset is still above 90%.