Project 2

Advanced Machine Learning

January 2020

1 Deep learning project

Create your submission on a jupyter notebook or google collab.

1.1 Choose your project project

It's time to apply your knowledge on real image data. Go on kaggle website, and choose a project among those :

- https://www.kaggle.com/c/dog-breed-identification
- https://www.kaggle.com/c/invasive-species-monitoring/overview/description
- https://www.kaggle.com/c/dogs-vs-cats-redux-kernels-edition/overview/evaluation
- https://www.kaggle.com/c/leaf-classification
- https://www.kaggle.com/c/whale-categorization-playground
- https://www.kaggle.com/c/plant-seedlings-classification/overview/evaluation

1.2 Explain your method

Explain your method and why you want to use it to solve the problem.

1.3 Instruction

1.3.1 Prepare the data for the machine learning model

1.3.2 Establish a simple model as baseline model that you aim to exceed

1.3.3 Testing new architectures to improve model performance

1.3.4 Submit your prediction on kaggle and note your ranking

1.3.5 Make a conclusion

You can help you with kernels on kagggle, but don't forget to argue all your choices and comment your code. Explain what you could do with more time or more computing resources to improve the performance of the model.