ml2017hd

Will contain the code for our project in "Fundamentals of Machine Learning"

Versions

Nr.	Main Changes
v0	Basic architecture. CPU. MAE. Input: 224x224. "rater-first-attempt.ipynb".
v1	Same architecture. GPU. Categorical crossentopy, 6 classes. Input: 100x100. L2 regularizer, lr=0.0001.
v2	Tried training model generated by Hyperparameter Search (`opt_classifierv0`). Input: 200x200. Bad results.
v3	Data augmentation & streaming. Round ratings to integers (stars). Input: 200x200.
v3.1	Same architecture as v3, includes prediction output for human supervision (like v4.1).
v3.2	Same architecture as v3, no dropout after feature extraction. WORKS: val_loss: 0.56766, val_acc: 0.8145.
v4	Expanding on regression approach of v0. Data augmentation.
v4.1	Uses clipped ReLU to get results between 0 and 5. Predictions tend to extremes.