Action Recognition Deep Learning Paper

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| Paper | Language | Pre-trained | Datasets | Additional Info |
| Action Recognition using Visual Attention | Python using Theano | Requires pre-training | UCF11, HMDB-51 and Hollywood2 | Uses a RNN and LSTM |
| Activity Recognition with RNN and Temporal Conv-net | LUA | Requires pre-training | UCF101 and HMDB-51 | Requires Linux |
| Activity Recognition in Egocentric Life-logging Videos | No Git Repo appears to be CAFFE | Contains action recognition for most of our actions | IEOR, CMU-MMAC, GTEA, UEC QUAD, UEC PARK, W31, GTEA Gaze, GTEA Gaze+, ADL, UTokyo, FPSI, UT Ego, JPL and EGO-GROUP | This would be extremely useful if their code was available |
| First Person Action Recognition Using Deep Learned Descriptors | C++ using CAFFE | Contains some of our actions | GTEA, Kitchen, ADL and UTE | First person from a very similar perspective to ours |
| DeepDiary: Automatic Caption Generation for Lifelogging Image Streams | C++ using CAFFE, Python and Matlab | Unknown | Lifelog, COCO, COCO+Lifelog, Lifelog@Usr2, Lifelog@2016 | Same dataset that we’re looking for |