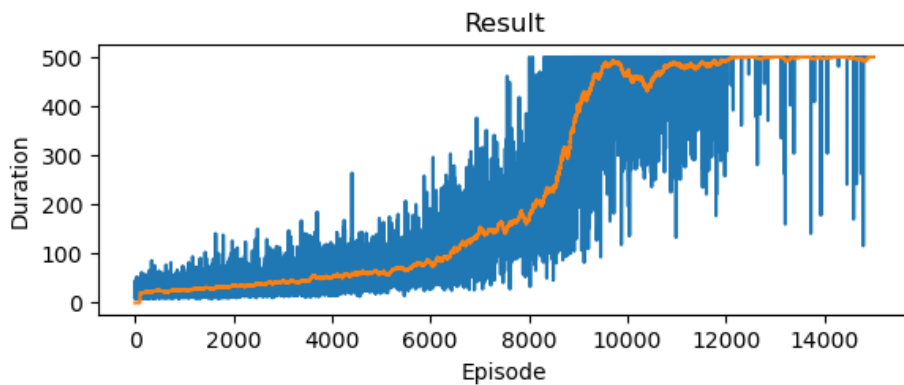


Various network architectures and parameters for Cartpole Policy Estimator

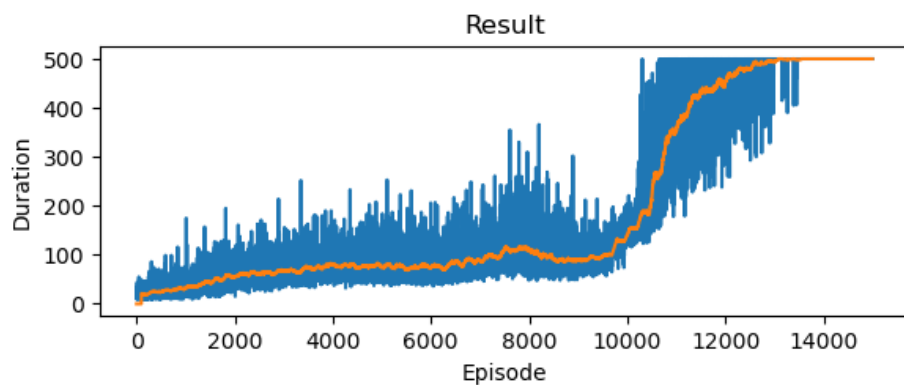
Group K: Fioritto Alessandro, Pilutti Filippo, Simonitti Samuele

Base architecture and parameters



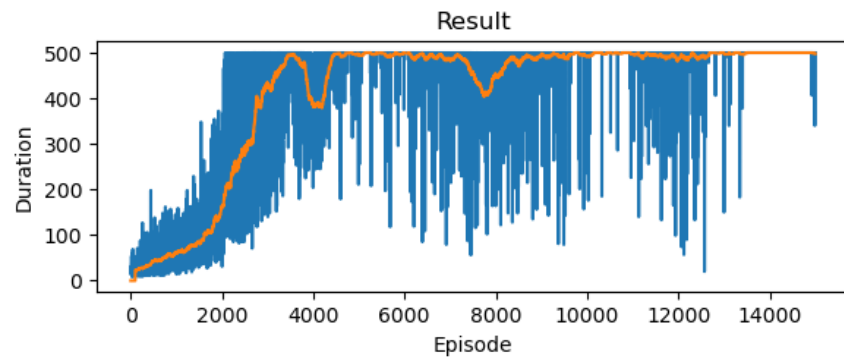
BATCH SIZE	128
GAMMA	0.99
LR	0.01
Training time (s)	464
Max peak	500
Maximal Peak Episode	8012
Avg max peak	500.0
Avg Maximal Peak Episode	12300

Base architecture with modified parameters (bigger batch size and learning rate)



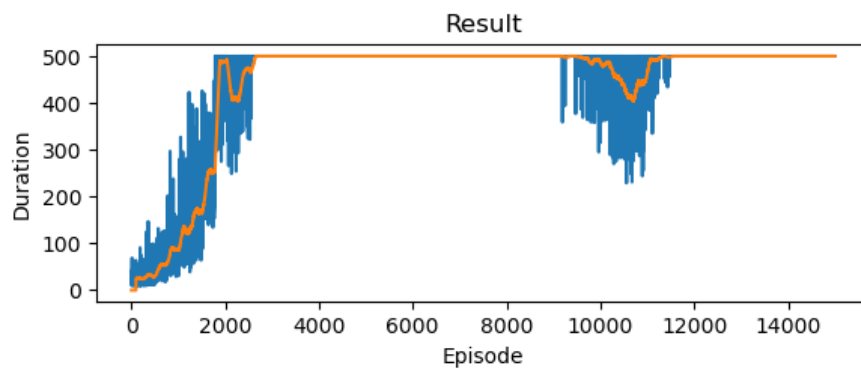
BATCH SIZE	256
GAMMA	0.9
LR	0.05
Training time (s)	365
Max peak	500
Maximal Peak Episode	10307
Avg max peak	500.0
Avg Maximal Peak Episode	13100

Bigger layer using base architecture (128 neurons instead of 16)



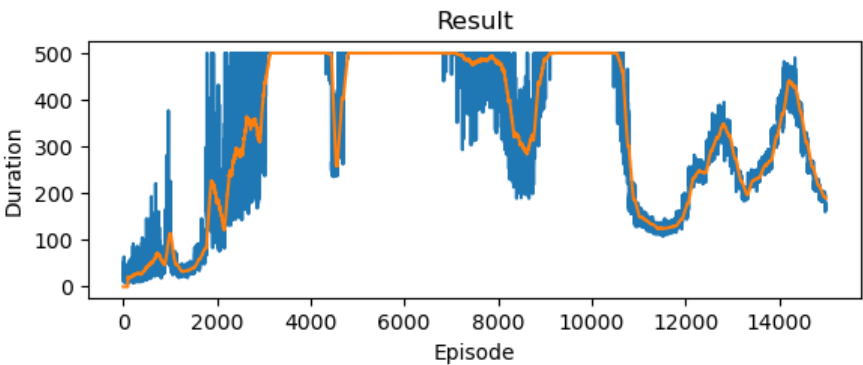
BATCH SIZE	128
GAMMA	0.99
LR	0.01
Training time (s)	765
Max peak	500
Maximal Peak Episode	2071
Avg max peak	500.0
Avg Maximal Peak Episode	5200

Modified first layer (32 neurons instead of 16) and added a new fully connected layer (64 neurons)



BATCH SIZE	256
GAMMA	0.9
LR	0.05
Training time (s)	1436
Max peak	500
Maximal Peak Episode	1786
Avg max peak	500.0
Avg Maximal Peak Episode	2700

Deeper network with 4 fully connected layers



BATCH SIZE	128
GAMMA	0.99
LR	0.01
Training time (s)	1434
Max peak	500
Maximal Peak Episode	1788
Avg max peak	500.0
Avg Maximal Peak Episode	3200