Cloud and Hardware Specifications

CPU	2vCPU - 13 GB, Quad core Intel i5-4690K @ 3.5 GHz
GPU	1xNVIDIA Tesla V100, 1x NVIDIA GeForce GTX 980 Ti
Zone	us-west-1b
Cloud	Google Cloud Platform

Model Specifications

MODEL	Network	TRAINING TIME	# EPISODES	BATCH SIZE & LEARNING RATE
Baseline	4 Layer Dense Neural Network	~ 17 Hours	75	50; 0.09
Advanced	5 Layer CNN	~ 5 Hours	320	256; 0.0001

Baseline Architecture

Layer 1	Layer 2	Layer 3	Layer 4		
24 (relu)	48 (relu)	72 (relu)	96 (relu)		

CNN Architecture

	Width	Height	Depti	1	# Params	Filter Width	Filter Height	ilter Depth	Filter Count	Stride Width	Stride Height
Input	240	2	256	3			10 10 Text 10				
Conv 1	55		59	32	55328	24	24	3	32	2	1 4
Conv 2	22		22	64	452672	13	17	32	64	1 2	2
Conv 3	11		11	64	589888	12	12	64	64	1 1	1
Conv 4	4		4	128	524416	8	8	64	128	. 1	1
Conv 5	1		1	128	262272	4	4	128	128	3 1	1
Subtotal					1884576						
Value Stream	1		1	64	0						
Adv Stream	1		1	64	0						
/alue Flat				64	0						
Adv Flat]:	T)	64	0						
/alue FC				1	65						
Adv FC				7	455						
inal Output				7	0		-				
Total Params					1885096						