KNN Test Results																		
Trial	REAL	Augm Noise	Augm Color	Augm Mixed	Hybrid RN	Hybrid RC	Hybrid RM	Added HRN	Added HRC	Added HRM								
1	0.6956 0.6521	0.3913 0.5652	0.4347 0.5652	0.6086	0.8695 0.8260	0.8260 0.7826	0.6956 0.8260	0.7391 0.8478	0.7391 0.7391	0.7826 0.7391								
3	0.6521	0.5652	0.5652	0.5652	0.8260	0.7826	0.8260	0.8478	0.7391	0.7391	-							
4	0.7391	0.5652	0.5652	0.5652	0.9130	0.6086	0.7826	0.0950	0.7826	0.7391	-							
5	0.6086	0.6521	0.5652	0.6521	0.9130	0.8260	0.7826	0.6956	0.8043	0.7826	-							
6	0.5217	0.5217	0.5652	0.5217	0.7826	0.8260	0.7826	0.7391	0.8478	0.7608								
		0.5217	0.5052			0.8695	0.9565			0.6739								
7 8	0.6521			0.6521	0.9130 0.7826			0.8043	0.7608									
	0.7391	0.6956	0.6521	0.6521		0.9130	0.9130	0.6956		0.8913								
9	0.6086	0.6086	0.6521	0.7391	0.8260	0.7826	0.7826	0.8043	0.6521	0.6739								
10	0.5217	0.6521	0.6086	0.6956	0.6521	0.7391	0.7826	0.7391	0.7391	0.5217								
KNN	0.5217	0.6521	0.6521	0.6521	0.7826	0.8695	0.9565	0.7391	0.8478	0.7608								
CNN Test Results																		
Trial	REAL	Augm Noise	Augm Color	Augm Mixed	Hybrid RN	Hybrid RC	Hybrid RM	Added HRN	Added HRC	Added HRM								
1	0.462	0.493	0.525	0.512	0.506	0.5	0.481	0.45	0.5	0.487								
2	0.45	0.493	0.462	0.5	0.518	0.537	0.5	0.496	0.512	0.509								
3	0.475	0.456	0.537	0.55	0.456	0.45	0.525	0.49	0.562	0.531								
4	0.487	0.431	0.5	0.475	0.481	0.5	0.5	0.503	0.631	0.531								
5	0.487	0.506	0.537	0.475	0.481	0.5	0.5	0.503	0.628	0.468								
6	0.52	0.481	0.462	0.525	0.481	0.437	0.5	0.503	0.556	0.512								
7	0.55	0.506	0.543	0.525	0.481	0.5	0.5	0.503	0.668	0.553								
8	0.475	0.518	0.506	0.525	0.518	0.5	0.5	0.515	0.662	0.493								
9	0.537	0.481	0.462	0.525	0.512	0.5	0.5	0.503	0.706	0.543								
10	0.518	0.518	0.543	0.525	0.506	0.5	0.5	0.534	0.687	0.518								
CNN	0.4961	0.4883	0.5077	0.5137	0.494	0.4924	0.5006	0.5	0.6112	0.5145								
Groups																		
	KNN	CNN			-													
Real	0.5217	0.4961			Cross-Va	alidation												
Augmented	0.6521	0.5032333333			-	anuation												
Hybrid Added Hybrid	0.8695333333	0.4956666667 0.5419			0.9													
Added Hybrid	0.7825666667	0.5419			_													
Cross-validation real images					0.8													
				1	1													
Trial	KNN train	KNN test	CNN train	0.462	0.7													
1	0.84	0.6956	0.456		0.7													
2		0.6521	0.481	0.45	-													
3	0.881	0.9130 0.7391	0.481	0.475	0.6													
4	0.85		0.518		+													
5	0.881	0.6086	0.493	0.487	0.5													
7	0.85	0.5217	0.568	0.52	+1													
7 8	0.868 0.862	0.6521 0.7391	0.518 0.456	0.55	0.4													
9	0.862	0.7391	0.456	0.475	+1	KNN train	KNN test	CNN train	CNN test									
10	0.862	0.5086	0.406	0.537	+1		Tria	al		-								
	0.8574	0.5217	0.518	0.518														
Averages	0.03/4	0.0211	0.4083	0.4301						_								
ML with various a	augmentatio	on			ML with va	arious augme	ntation: grou	ped										
	-	KNN CNN			1	0	KNN											
		NAME ON THE CONTRACTOR					MININ	CININ										
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40.00%	Augus Access	and the second	Diagram Assess	ddod Add: 1														
REAL A	Augm Augm Au Noise Color M	ugm Hybrid Hybrid lixed RN RC	RM HRN H	HRC HRM	40.00%	Real	Augmented	Hybrid	Added Hybrid									
		Augmentation					Augn	nentation										
KNN real: train-acc 0.8260869565217391 te noise: train-acc 0.856096521739131 t	TRAIN ACC	TEST ACC 0.5217 0.5221 0.6221 0.6225 0.6225 0.6225 0.6225 0.6221 0.7321 0.7625 0.7321	0.8260	0.8586	0.75	0.7934	0.9560	0.9560	0.9230			0.8858						
noise: train-acc 0.8586956521739131 1	te 0.8585	0.6521	0.5217	0.6521	0.6086	0.6956	0.6521	0.7391	0.7826	0.7391	0.7391	0.5217						
color: train-acc 0.75 test-acc 0.6086950	10.7934	0.5955																
hm: train-acc 0.9560439560439561 to htt: train-acc 0.999043990439991 to	tei 0.9550 tei 0.9550	0.6521																
hrm: train-acc 0.9230769230769231 t	te 0.9230	0.7825																
missed: bain-acc 0.733478260895652 htm: train-acc 0.9509439509439501 fe htm: brain-acc 0.9509439509439501 fe htm: brain-acc 0.95094395090439501 htm: brain-acc 0.9209769207799231 fe altern: train-acc 0.9209769207799331 fe altern: train-acc 0.9394782096595932 8 altern: train-acc 0.939478209659532 73914	te 0.9239 te 0.9347	0.7391																
ahrm: train-acc 0.8858695652173914	9 0.8858	0.5217																
CNN (92, 64, 64, 3) (92,) (23, 64, 64, 3) (23,)																		
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Epoch 5/10 1/1 [] Epoch 6/10 1/1 [] Epoch 7/10																		
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Epoch 8/10 1/1 [===================================	#WALUE!									
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72 [- 0.532									
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(92, 64, 64, 3) (92,) (23, 64, 64, 3) (23,) Epoch 1/10	#VALUE!									
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Epoch 5/10	#ALUE!									
Epoch 6/10	#VALUE!									
1/1 [] -	0.500									
1/1 []	0.500									
Epoch 8/10	WALUE									
Epoch 9/10	#VALUE!									
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Epoch 9/10	#VALUE1 - 0.521									
Epoch 10/10	WALUE									
Specia 100 57 1	0.521									
1/1 [- 0.434									
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Epoch 2/10	WALUE									
Epoch 3/10	#VALUE!									
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1/1 [- 0.510									
Epoch 5/10	#VALUE!									
Epoch 6/10	#VALUE!									
1/1 []	0.510									
1/1 [===================================	- 0.489									
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Epoch 5/10	#WALUE!									
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Epoch 7/10	#VALUE!									
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Marcon M	Epoch 10 10 22 22	- 0.500 WALUE! - 0.459 WALUE! - 0.459 - 0.459 - 0.555 TRAIN ACC	TEST ACC 0.3013			0.6195			0.5384		0.4045						
The	Epoch 810	- 0.300 #/ALUE! - 0.459 #/ALUE! - 0.459 - 0.355 TRAIN ACC # 0.535	TEST ACC 0.3913 0.4762	0.5 0.4782	0.5217 0.6347	0.6195	0.5274 0.4347	0.5714 0.5652	0.5384 0.3913	0.5054 0.4965	0.4045 0.5434						
with main to 100 (100 (100 (100 (100 (100 (100 (100	Epoch 810 22 22	- 0.300	0.3913 0.4782 0.4347	0.5 0.4782	0.5217 0.5347	0.6155	0.5274 0.4547	0.5714 0.5652	0.5384	0.5054	0.4045 0.5434						
with main to 100 (100 (100 (100 (100 (100 (100 (100	Epoch 610	- 0.500	0.3913 0.4782 0.4347 0.6095	0.5 0.4782	0.5217 0.5347	0.6195 0.6096	0.5274 0.4347	0.5714	0.5354	0.5054	0.4045 0.5434						
with main to 100 (100 (100 (100 (100 (100 (100 (100	Epoch 610 22 [2	- 0.300 WALUE! - 0.489 - 0.489 - 0.489 - 0.505 TRAIN ACC - 0.5217 - 0.5217 - 0.5274	0.3913 0.4782 0.4347 0.6095	0.5 0.4782	0.5917	0.6195	0.5374 0.4347	0.5714 0.5652	0.5384	0.5054	0.4945 0.4945						
### Table-00 0000000000000000000000000000000000	Epoch 610 22	- 0.500 #0ALUE! 0.489 #0ALUE! 0.489 - 0.489 - 0.555 TRAIN ACC 0.525 0.5226 0.5277 0.5195 0.5274	0.3913 0.4782 0.4347 0.6095	0.5 0.47E2	0.5217 0.6347	0.0105	0.5274 0.4347	0.5714 0.5652	0.3384 0.3913	0.5054 0.4565	0.4045 0.2434						
Ann. Namous 000/000044171 (1-000)	Epoch 510	- 0.500 - worlder - 0.489 - worlder - 0.489 - 0.480 - 0.480 - 0.480 - 0.500 - 0.500 - 0.500 - 0.500 - 0.500 - 0.500 - 0.500 - 0.500 - 0.500 - 0.500 - 0.500	0.3913 0.4762 0.4347 0.6086 0.4347 0.5052 0.3913	0.5	0.5517 0.4547	Q.6105 Q.6066	0.5274 0.4347	0.5714 0.5002	0.5364	0.5054 0.4553	0.4945 0.5434						
200 200 200 200 200 200 200 200 200 200	Epoch 510 22	0.500 #WALUE! 0.489 WALUE! 0.489 0.489 0.505 TRAIN ACC 0.505 0.505 0.505 0.507 0.0195 0.0195 0.0274 0.0394	0.3913 0.4762 0.4347 0.6086 0.4347 0.5052 0.3913	0.5 0.4782	0.5517 0.6547	0.6195	0.5274 0.4347	0.5774 0.5632	0.3384	0.5054 0.4555	0.4045 REGO						
	Epoch 510	0.500 WALUE 0.489 WALUE 0.480 0.480 0.480 0.505 TRAIN ACC 0.505 0.505 0.5074 0.5714 0.5064 0.5064	0.3913 0.4762 0.4347 0.6095 0.4347 0.5652 0.3913 0.4665 0.5434	0.5 0.4782	D.SST D.SST	0,0100	0.5274 0.4347	0.0714	0.2384	0.5004 0.4005	0.4045 0.5434						