

# Texture\_1 - Random 5 Categories - 40 Images per category

## Overall Statistics

Average AUC: 0.89

Total Super Categories: 13

Total Categories: 64

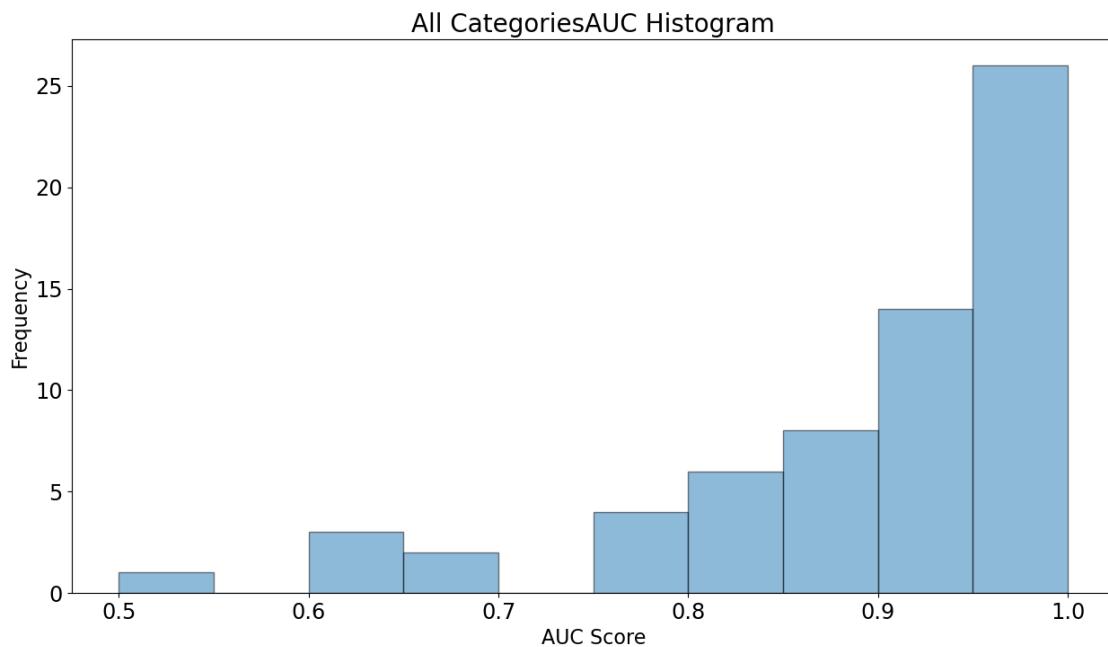
Categories randomly combined: 5

## Summary

Super Category	Categories	Average AUC	Min AUC	Max AUC	AUC S.D	Error
0	KTH_cotton KTH_sponge UIUC12_pebbles UIUC17_glass2 UIUC23_knit	0.81	0.62	0.92	0.11	0.05
1	KTH_corduroy Kyberge_ceiling1 Kyberge_grass1 UIUC06_wood3 UIUC14_brick1	0.83	0.68	1.00	0.12	0.05
2	KTH_orange_peel KTH_styrofoam Kyberge_cushion1 Kyberge_sand1 UIUC08_granite	0.95	0.87	1.00	0.05	0.05
3	KTH_wool Kyberge_scarf1 Kyberge_wall1 UIUC11_floor2 UIUC20_upholstery	0.94	0.84	0.98	0.05	0.04
4	Kyberge_blanket1 Kyberge_lentils1 Kyberge_oatmeal1 UIUC01_bark1 UIUC04_wood1	0.8	0.61	1.00	0.14	0.05
5	Kyberge_pearlsugar1 Kyberge_sesame seeds1 Kyberge_stone1 UIUC03_bark3 UIUC16_glass1	0.81	0.50	0.96	0.16	0.05
6	KTH_cork Kyberge_blanket2 Kyberge_stone2 UIUC09_marble UIUC15_brick2	0.99	0.97	0.99	0.01	0.04
	KTH_brown_bread					

7	KTH_cracker Kyberge_seat2 UIUC10_floor1 UIUC25_plaid	0.93	0.86	0.97	0.04	0.05
8	Kyberge_ceiling2 Kyberge_rice1 Kyberge_rice2 Kyberge_seat1 UIUC02_bark2	0.93	0.86	0.98	0.05	0.05
9	Kyberge_floor1 Kyberge_rug1 Kyberge_scarf2 UIUC13_wall UIUC19_carpet2	0.92	0.75	1.00	0.09	0.04
10	KTH_linen Kyberge_canvas1 Kyberge_stone3 UIUC07_water UIUC21_wallpaper	0.89	0.81	0.94	0.05	0.05
11	KTH_aluminium_foil Kyberge_floor2 Kyberge_screen1 UIUC22_fur UIUC24_corduroy	0.96	0.94	0.98	0.01	0.05
12	Kyberge_linseeds1 Kyberge_stoneslab1 UIUC05_wood2 UIUC18_carpet1	0.86	0.62	0.98	0.14	0.05

### Overall AUC Histogram



# Super-Category 0

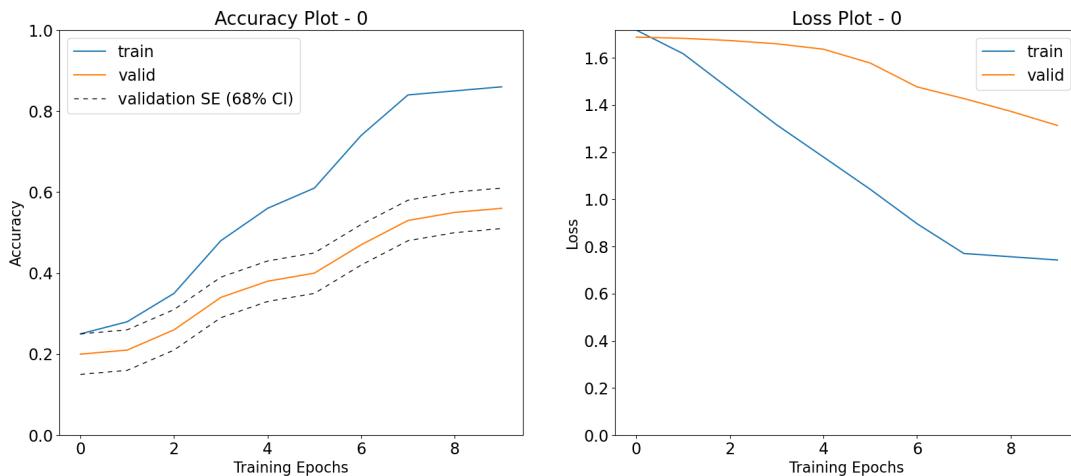
## Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 56s
Best Train Accuracy	0.86
Best Valid Accuracy	0.56
AUC	0.81
2*AUC-1	0.61
Standard Error	0.05

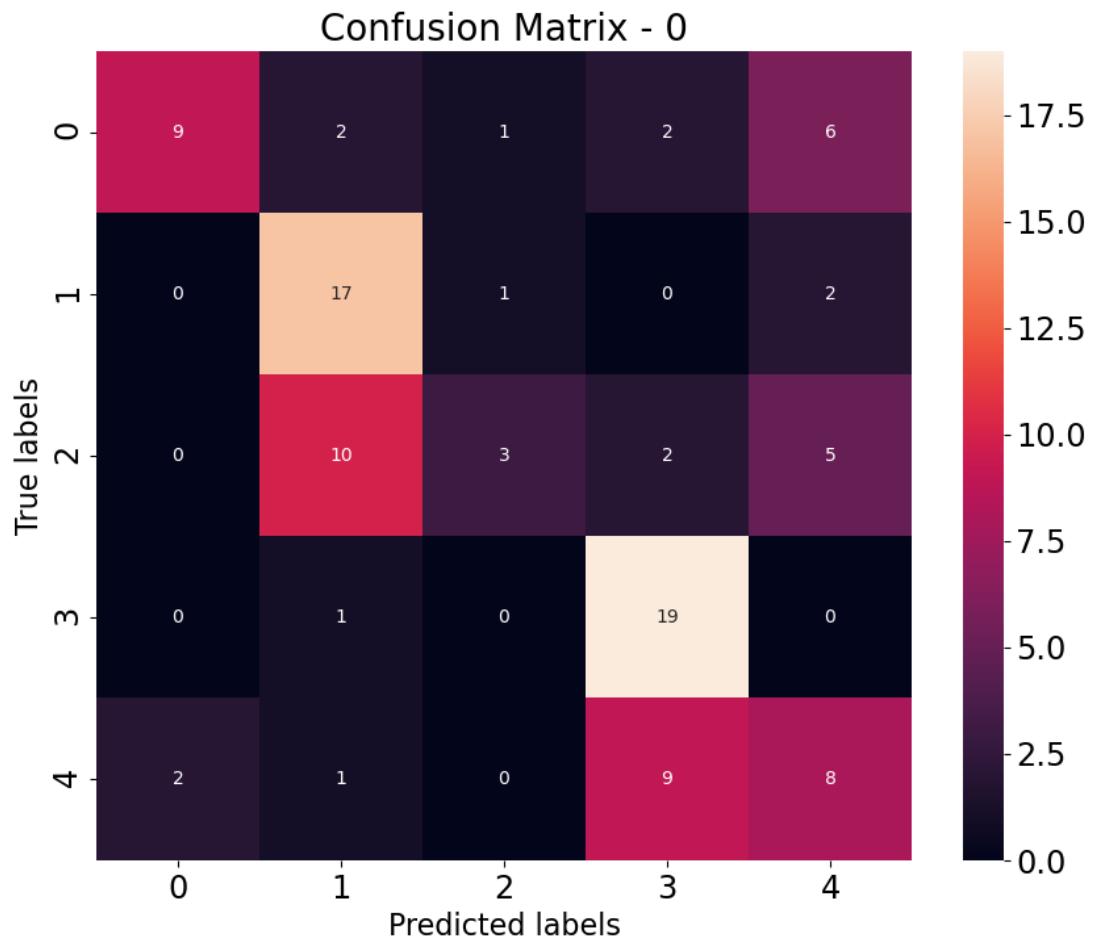
## Categories

Category #	Category Name
0	KTH_cotton
1	KTH_sponge
2	UIUC12_pebbles
3	UIUC17_glass2
4	UIUC23_knit

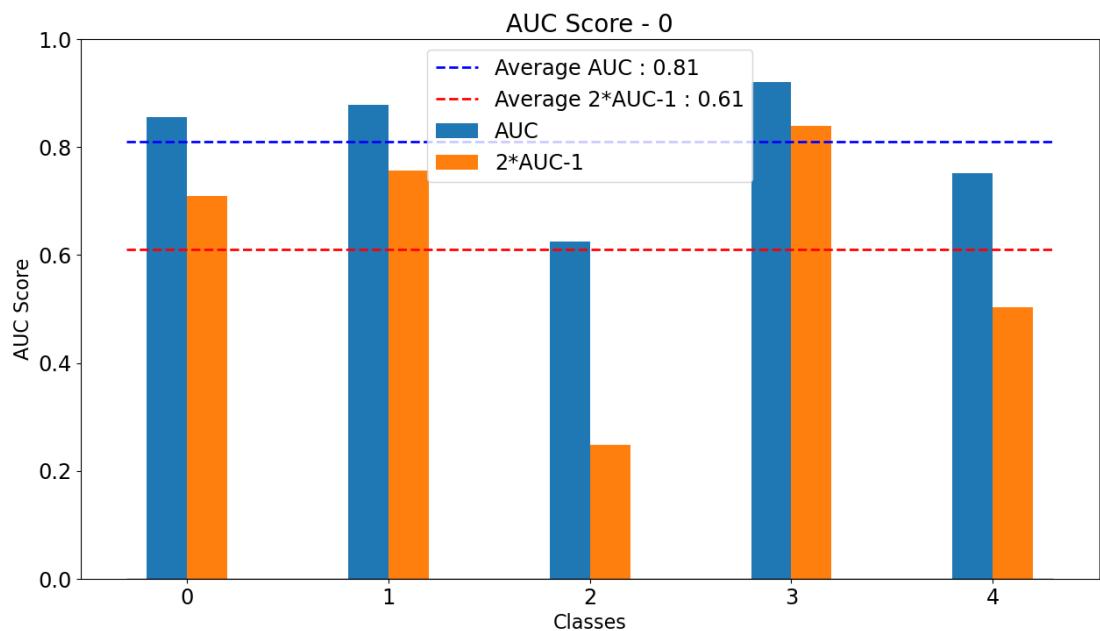
## Accuracy Loss Plot



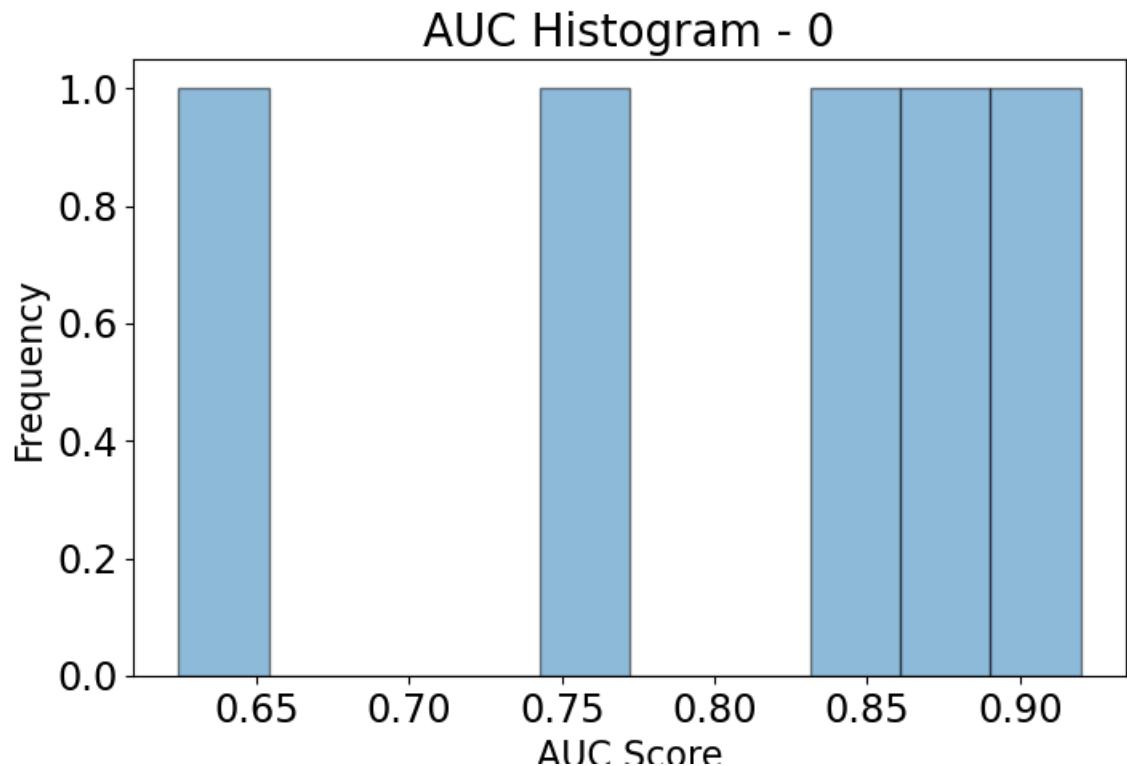
## Confusion Matrix



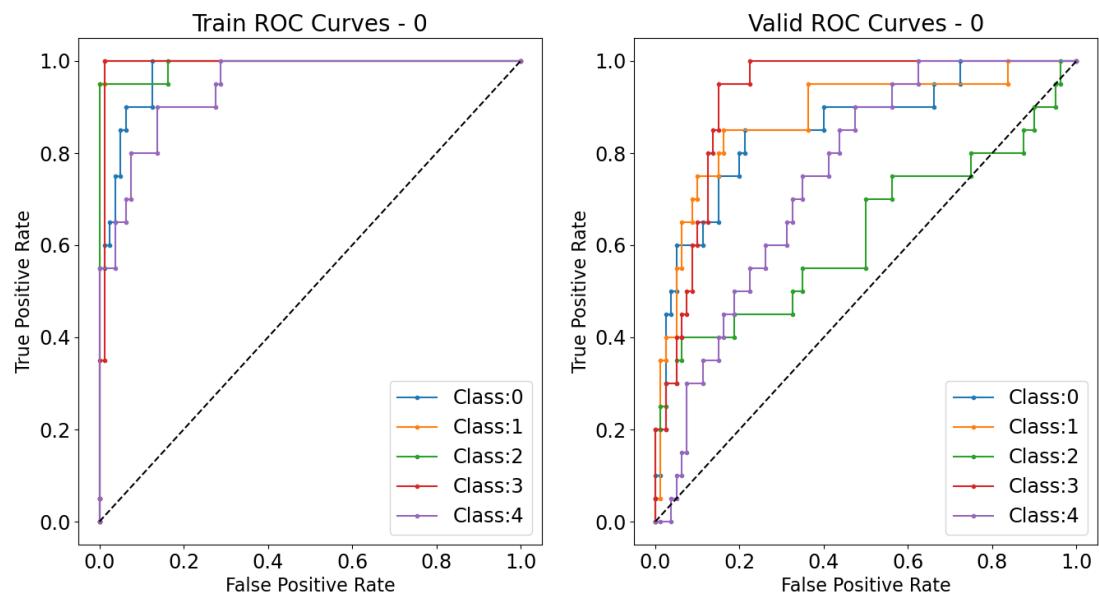
### AUC



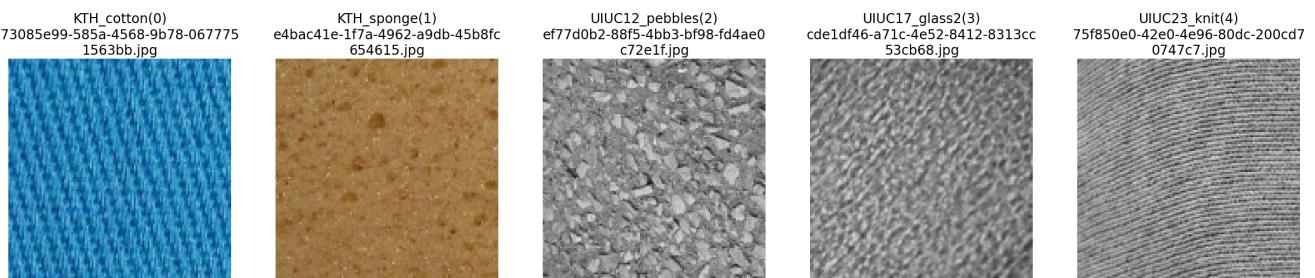
### AUC Histogram



### ROC Curves



### Sample Images

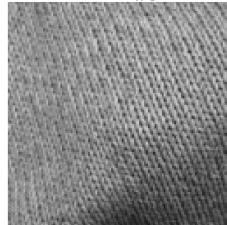


## Wrongly Classified Images

Orig lbl : UIUC12\_pebbles(2)  
Pred lbl : UIUC23\_knit(4)  
12751e39-7637-4bff-9273-d34fa7  
364c94.jpg



Orig lbl : UIUC23\_knit(4)  
Pred lbl : KTH\_cotton(0)  
bb19eb96-d186-4d25-bbab-096a8d  
28dc41.jpg



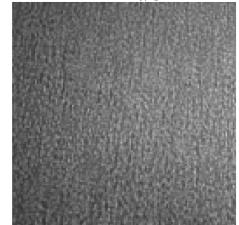
Orig lbl : UIUC12\_pebbles(2)  
Pred lbl : KTH\_sponge(1)  
34add715-5089-42e4-8f6d-347efb  
904c48.jpg



Orig lbl : KTH\_sponge(1)  
Pred lbl : UIUC12\_pebbles(2)  
1b269fe1-c738-44bd-8b3b-c1ef7a  
a7ff7f.jpg



Orig lbl : UIUC17\_glass2(3)  
Pred lbl : KTH\_sponge(1)  
34add715-5089-42e4-8f6d-347efb  
904c48.jpg



# Super-Category 1

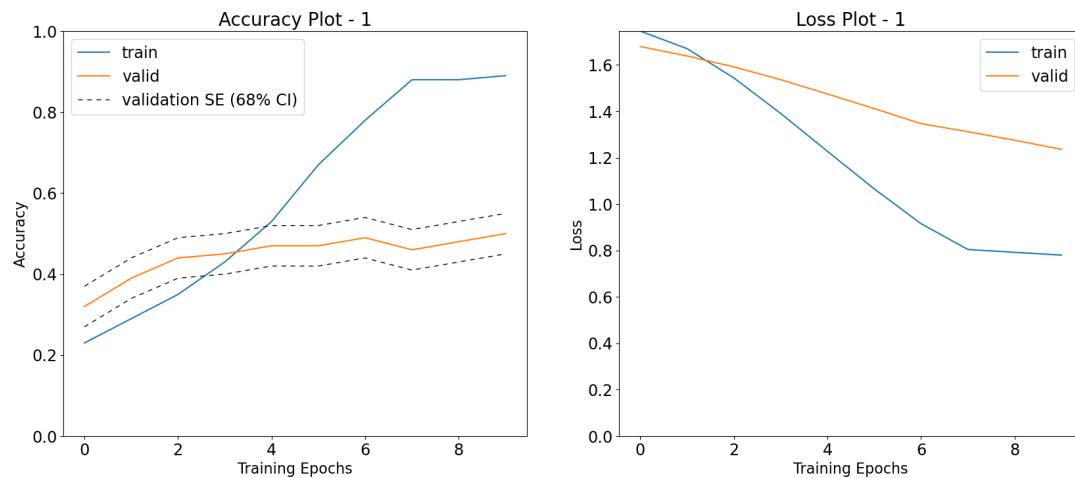
## Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 56s
Best Train Accuracy	0.89
Best Valid Accuracy	0.5
AUC	0.83
2*AUC-1	0.66
Standard Error	0.05

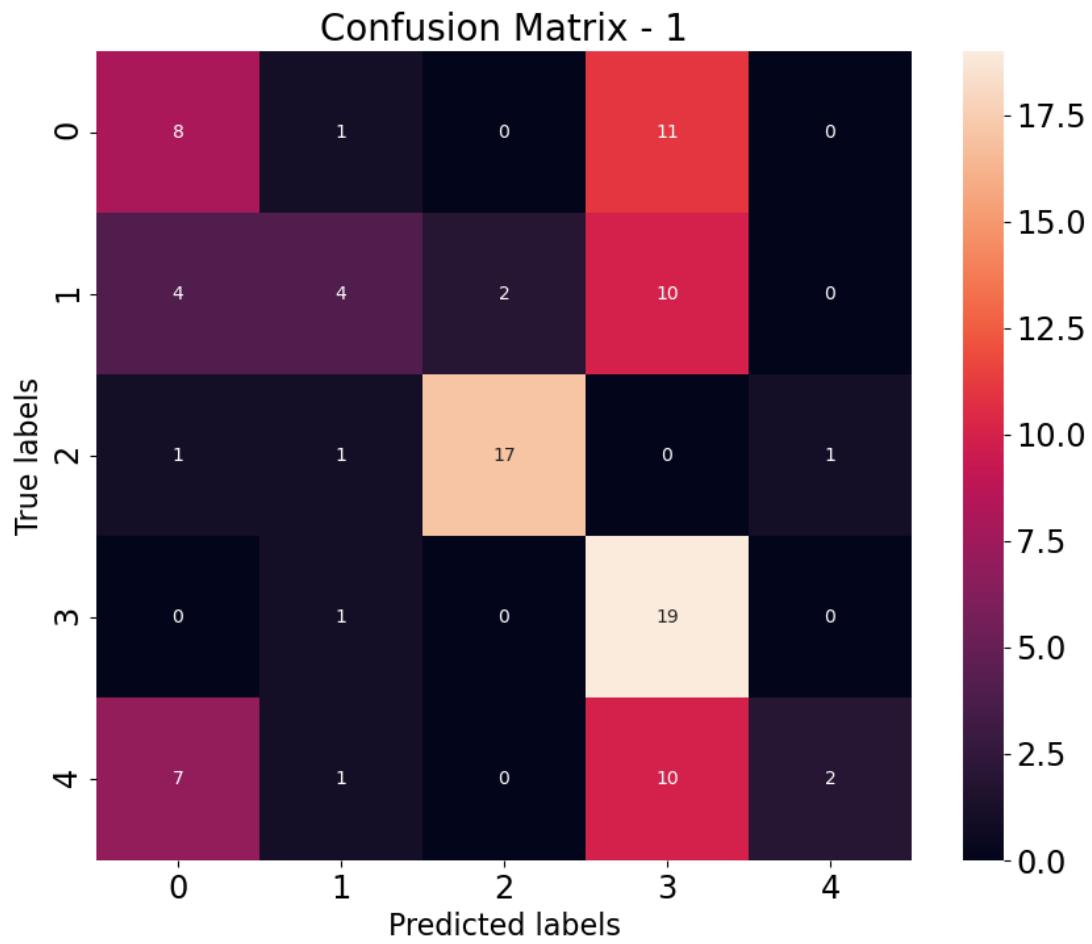
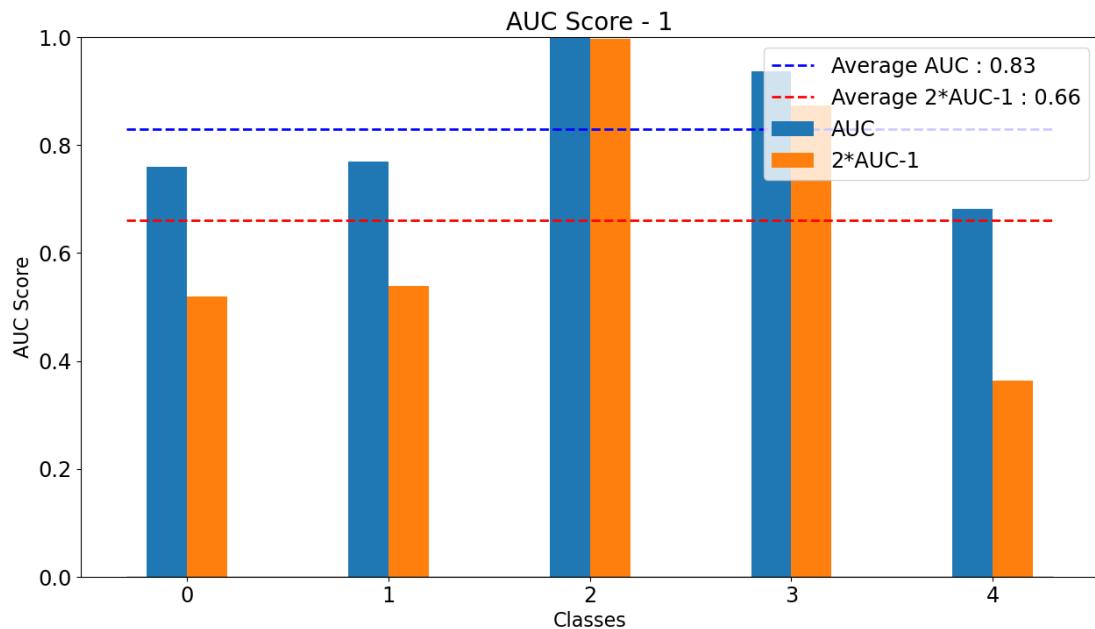
## Categories

Category #	Category Name
0	KTH_corduroy
1	Kyberge_ceiling1
2	Kyberge_grass1
3	UIUC06_wood3
4	UIUC14_brick1

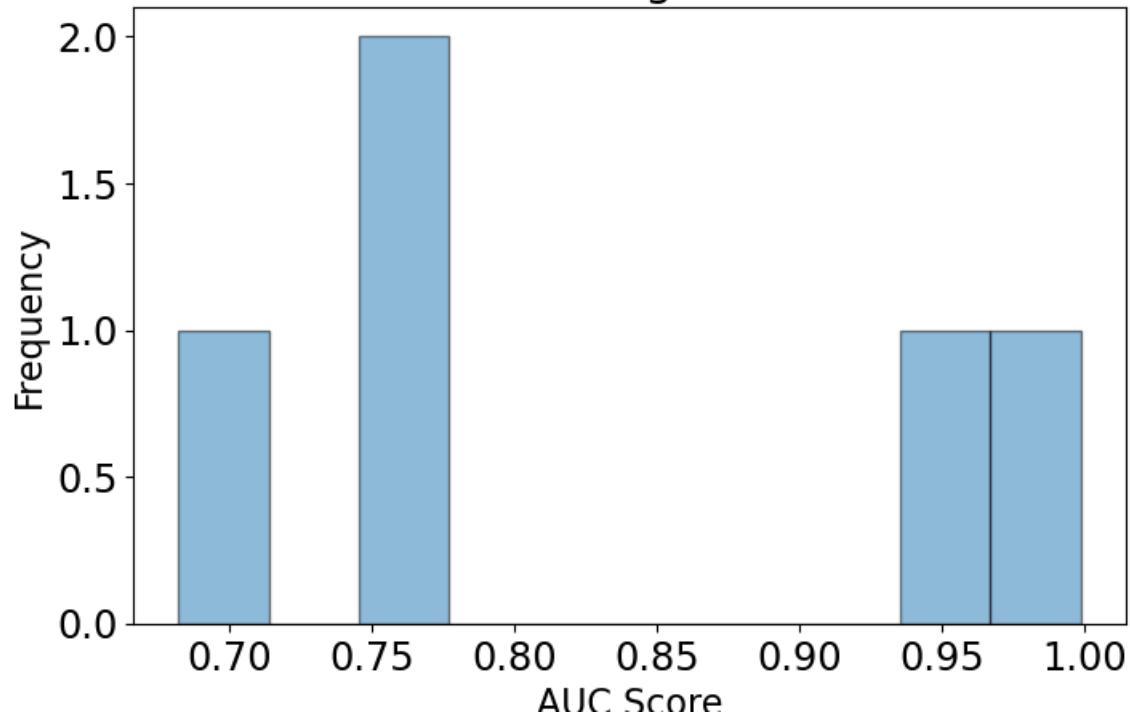
## Accuracy Loss Plot



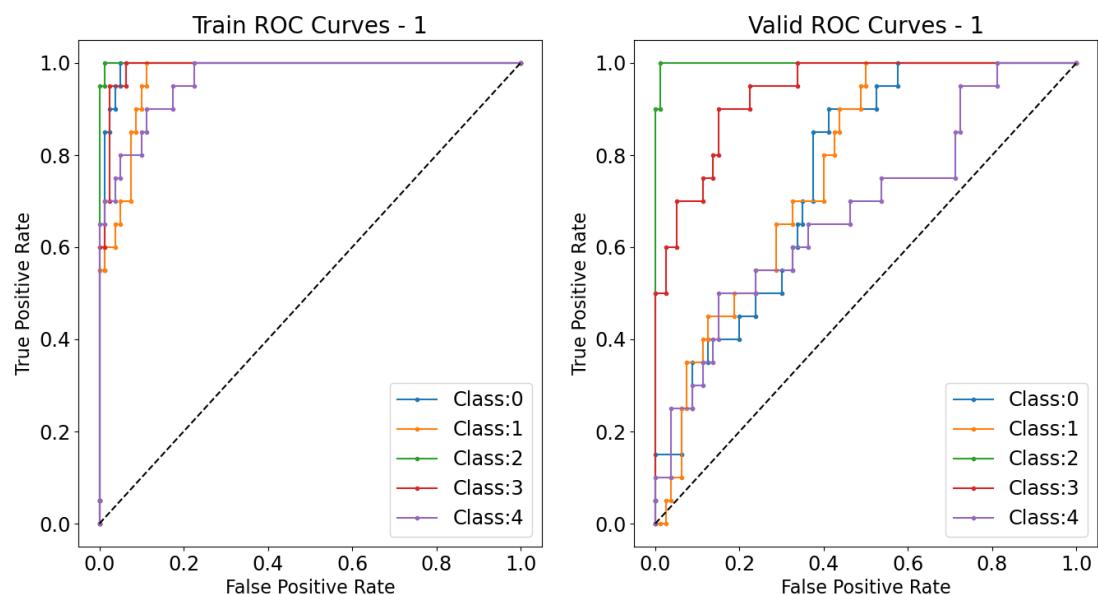
## Confusion Matrix

**AUC****AUC Histogram**

## AUC Histogram - 1



## ROC Curves

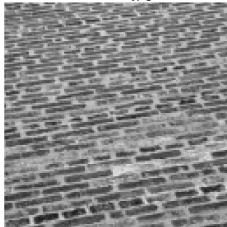


## Sample Images

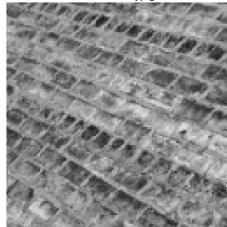


## Wrongly Classified Images

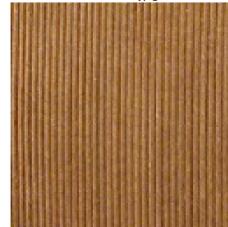
Orig lbl : UIUC14\_brick1(4)  
Pred lbl : UIUC06\_wood3(3)  
f698fce3-cebc-4a12-bb2b-adc9d6  
c36e5a.jpg



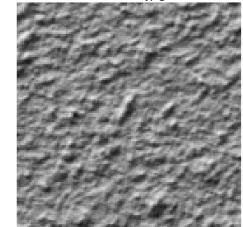
Orig lbl : UIUC14\_brick1(4)  
Pred lbl : KTH\_corduroy(0)  
fb7f1467-0ac6-49fc-9998-9e8536  
830587.jpg



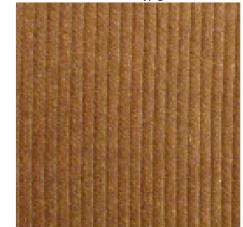
Orig lbl : KTH\_corduroy(0)  
Pred lbl : UIUC06\_wood3(3)  
f698fce3-cebc-4a12-bb2b-adc9d6  
c36e5a.jpg



Orig lbl : Kyberge\_ceiling1(1)  
Pred lbl : Kyberge\_grass1(2)  
968269c5-b2aa-4535-b7e5-e1dc2  
a56731.jpg



Orig lbl : KTH\_corduroy(0)  
Pred lbl : UIUC06\_wood3(3)  
f698fce3-cebc-4a12-bb2b-adc9d6  
c36e5a.jpg



## Super-Category 2

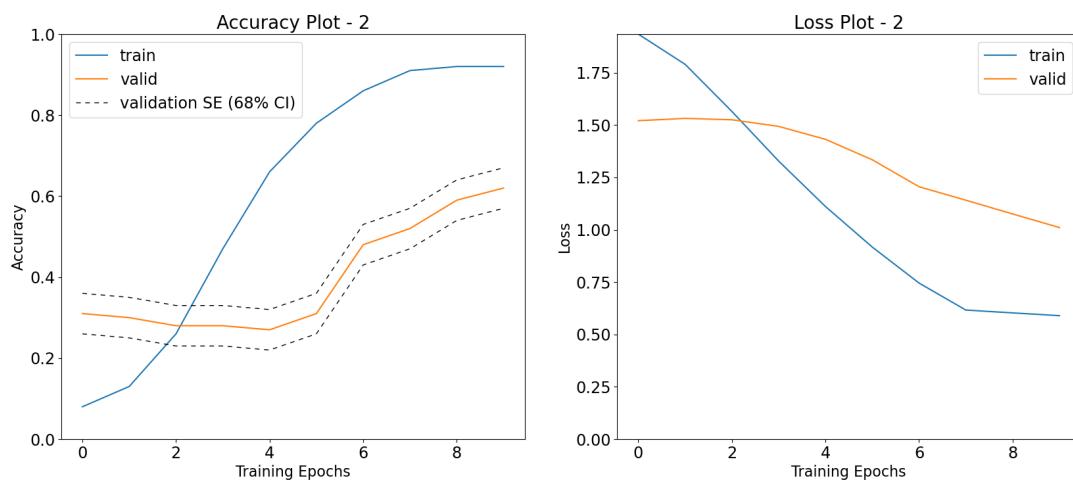
### Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 56s
Best Train Accuracy	0.92
Best Valid Accuracy	0.62
AUC	0.95
2*AUC-1	0.9
Standard Error	0.05

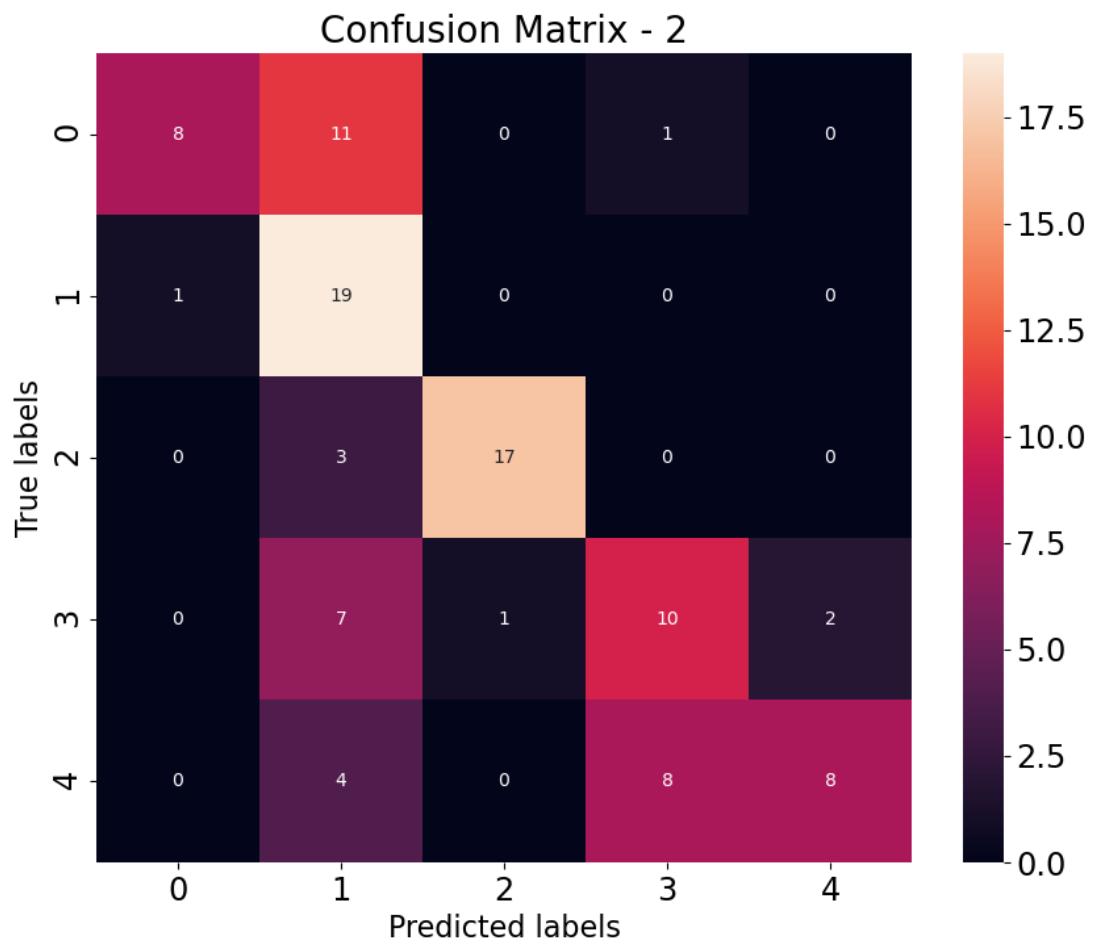
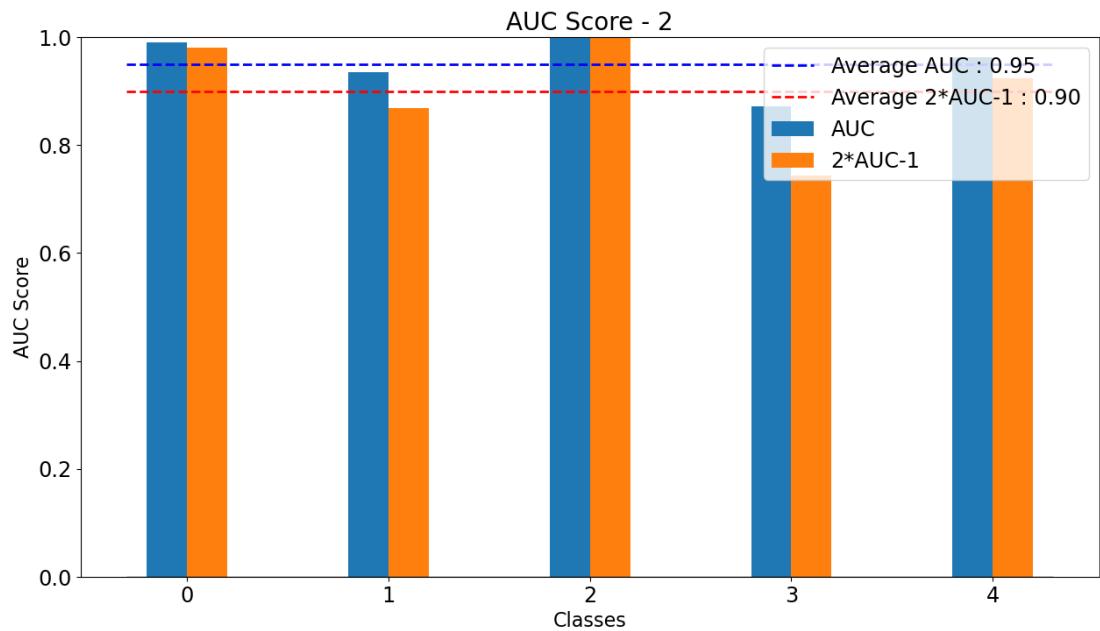
### Categories

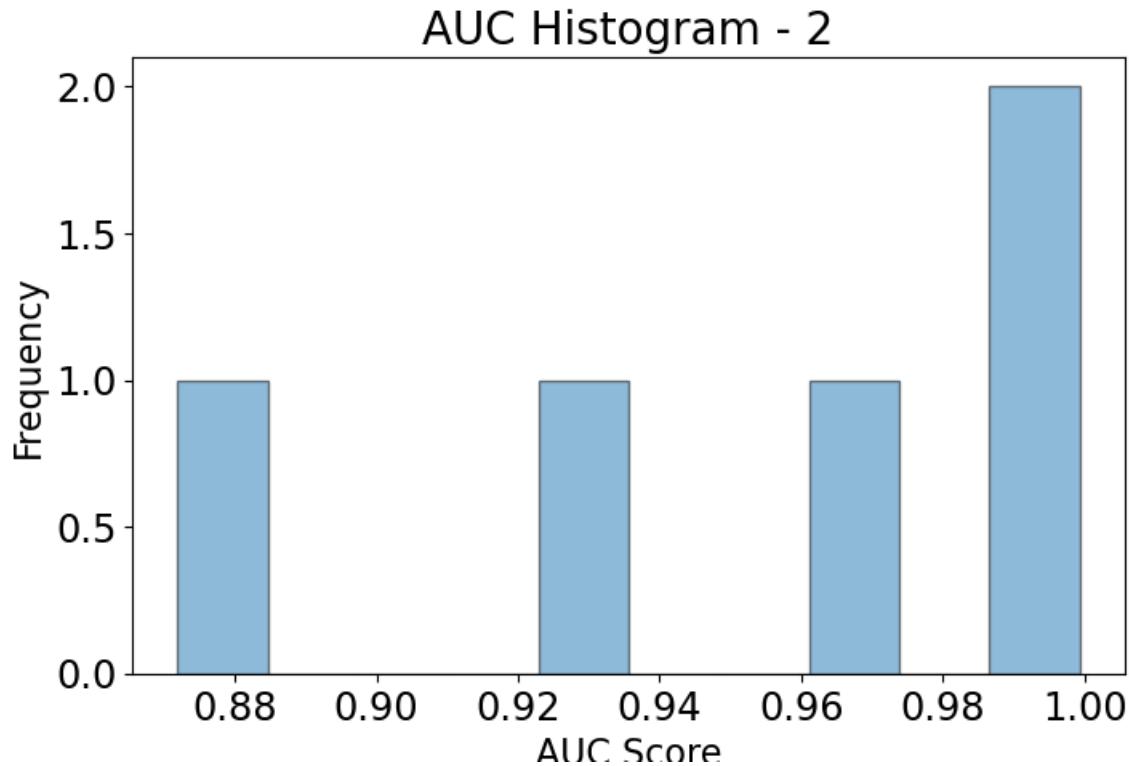
Category #	Category Name
0	KTH_orange_peel
1	KTH_styrofoam
2	Kyberge_cushion1
3	Kyberge_sand1
4	UIUC08_granite

### Accuracy Loss Plot

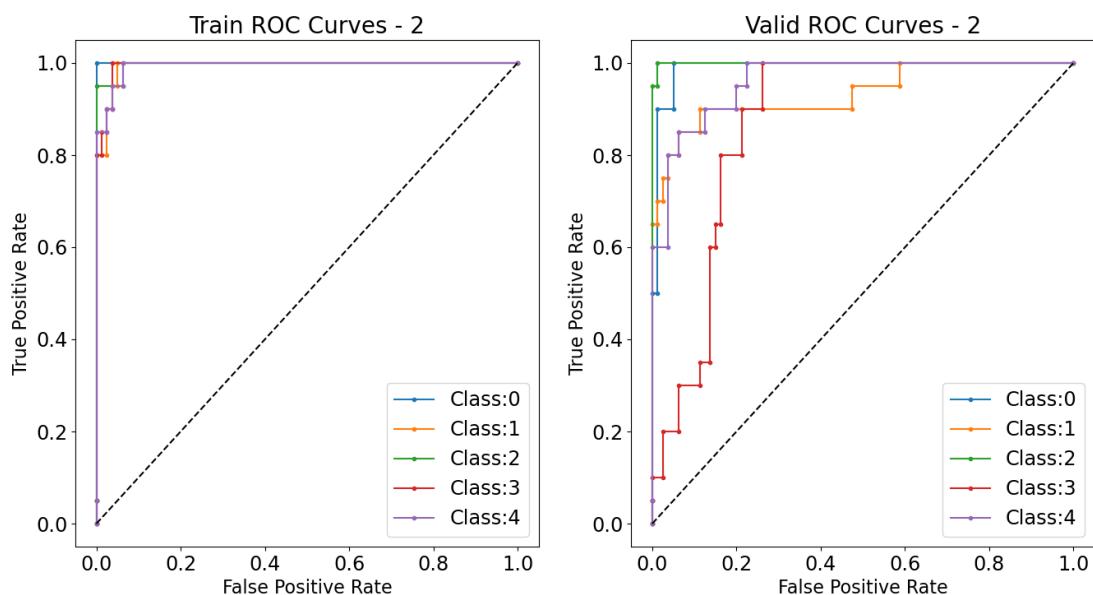


### Confusion Matrix

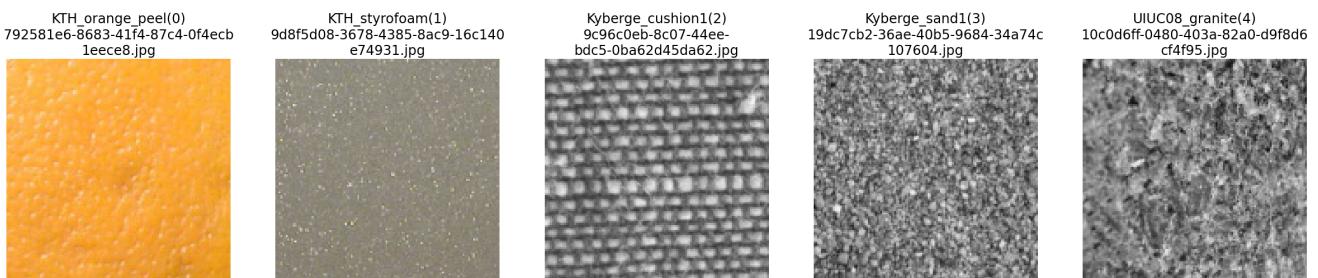
**AUC****AUC Histogram**



### ROC Curves

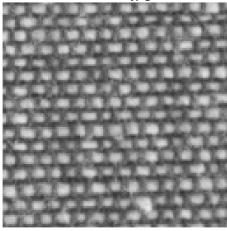


### Sample Images

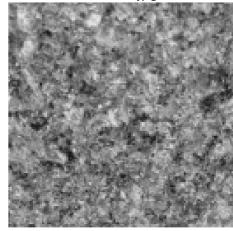


## Wrongly Classified Images

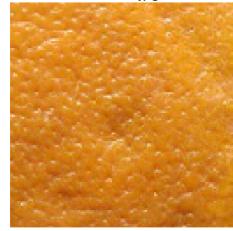
Orig lbl : Kyberge\_cushion1(2)  
Pred lbl : KTH\_styrofoam(1)  
5a51f5f6-3e73-496f-87ca-7df08e  
3ecb59.jpg



Orig lbl : UIUC08\_granite(4)  
Pred lbl : Kyberge\_sand1(3)  
b569fc45-3b43-44fa-8277-7221b0  
b6e8e2.jpg



Orig lbl : KTH\_orange\_peel(0)  
Pred lbl : KTH\_styrofoam(1)  
5a51f5f6-3e73-496f-87ca-7df08e  
3ecb59.jpg



Orig lbl : KTH\_orange\_peel(0)  
Pred lbl : KTH\_styrofoam(1)  
5a51f5f6-3e73-496f-87ca-7df08e  
3ecb59.jpg



Orig lbl : KTH\_orange\_peel(0)  
Pred lbl : KTH\_styrofoam(1)  
5a51f5f6-3e73-496f-87ca-7df08e  
3ecb59.jpg



## Super-Category 3

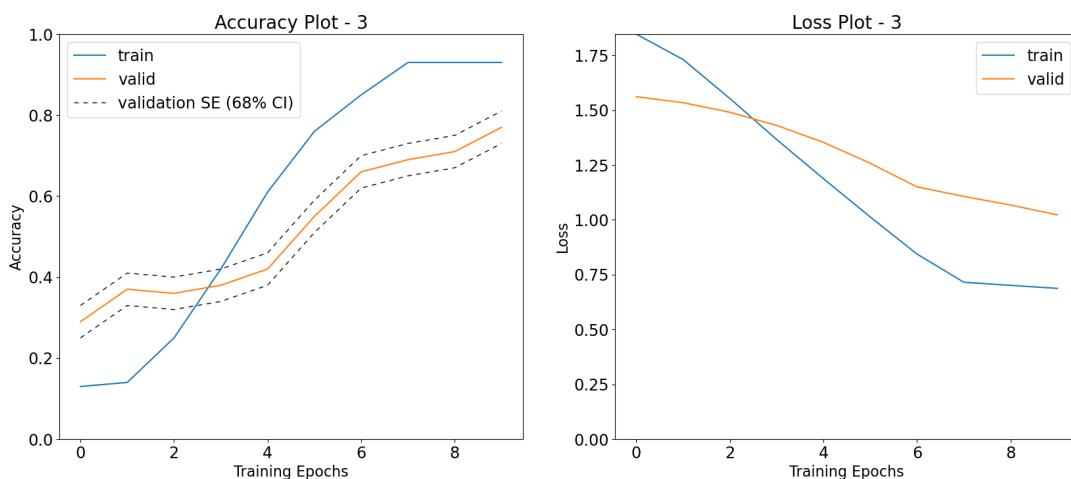
### Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 56s
Best Train Accuracy	0.93
Best Valid Accuracy	0.77
AUC	0.94
2*AUC-1	0.87
Standard Error	0.04

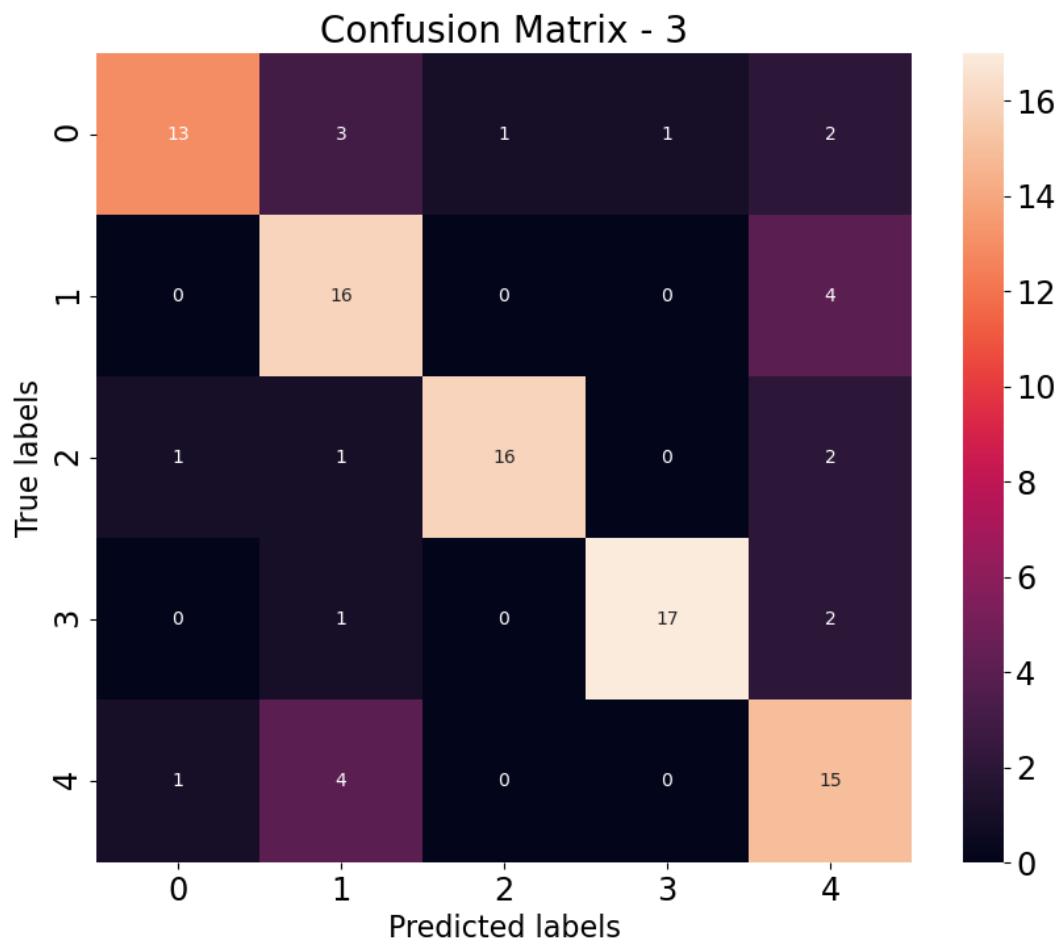
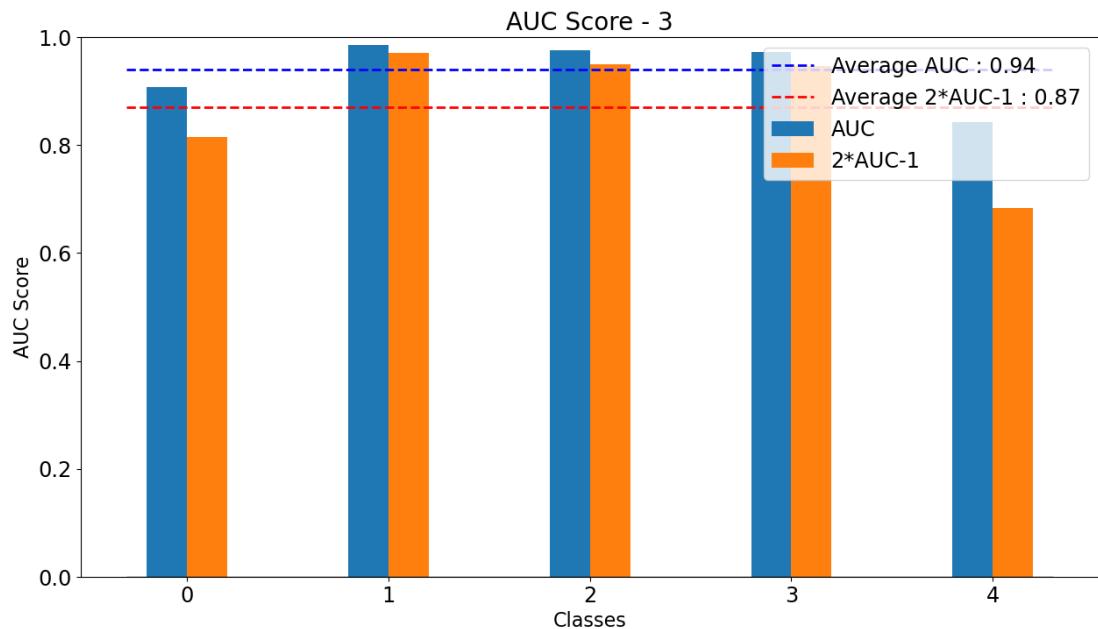
### Categories

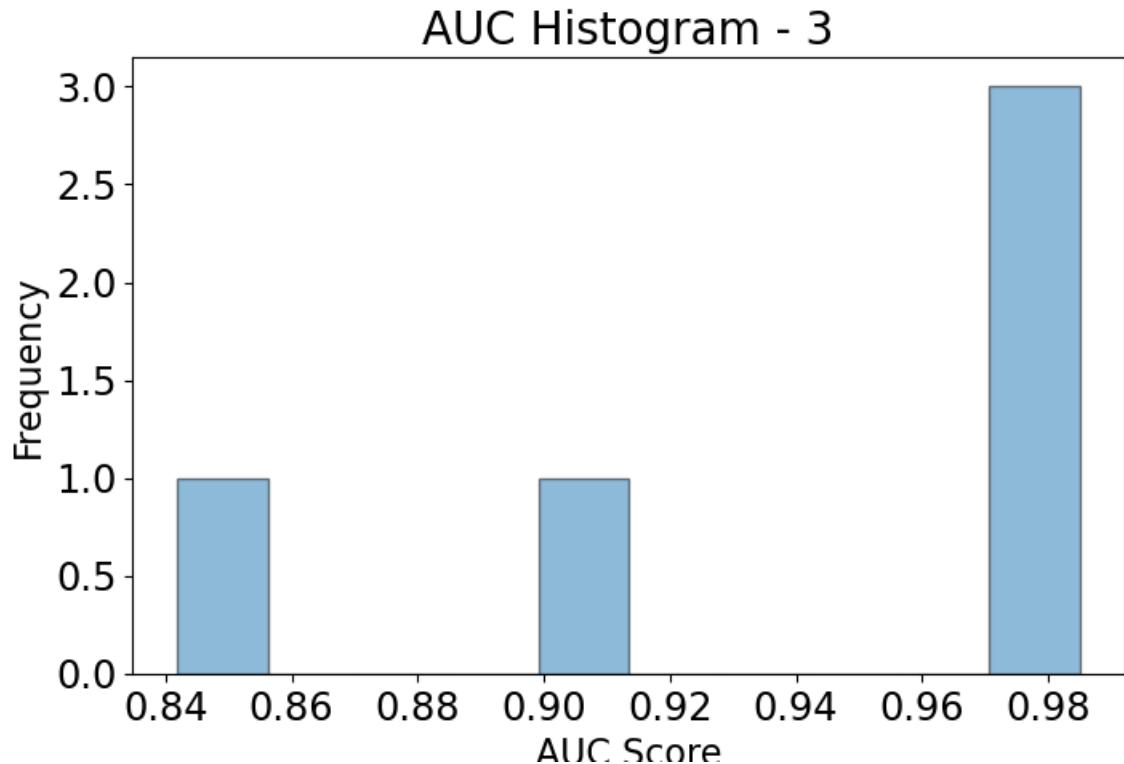
Category #	Category Name
0	KTH_wool
1	Kyberge_scarf1
2	Kyberge_wall1
3	UIUC11_floor2
4	UIUC20_upholstery

### Accuracy Loss Plot

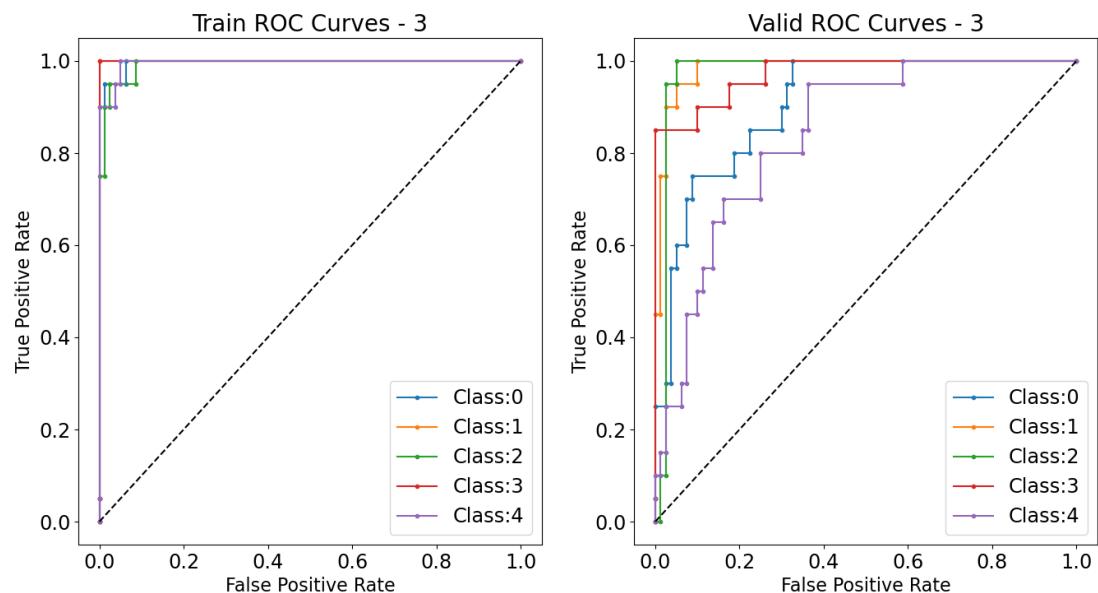


### Confusion Matrix

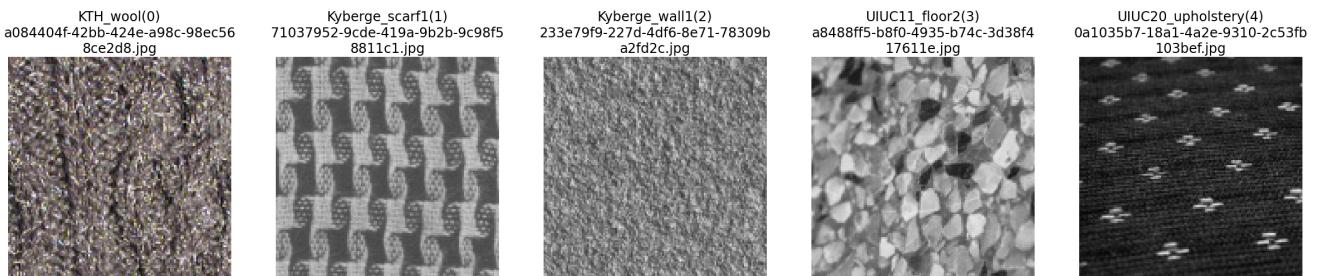
**AUC****AUC Histogram**



### ROC Curves

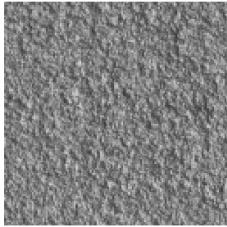


### Sample Images

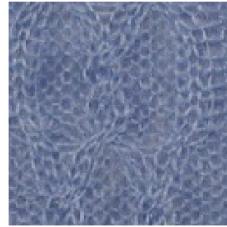


## Wrongly Classified Images

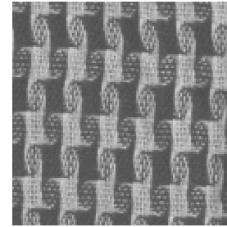
Orig lbl : Kyberge\_wall1(2)  
Pred lbl :  
UIUC20\_upholstery(4)  
8ff14374-7506-4652-8343-993368  
a5c7a0.jpg



Orig lbl : KTH\_wool(0)  
Pred lbl : Kyberge\_scarf1(1)  
5ee6a704-77b7-4bf1-8932-95bea0  
ddaa22.jpg



Orig lbl : Kyberge\_scarf1(1)  
Pred lbl :  
UIUC20\_upholstery(4)  
8ff14374-7506-4652-8343-993368  
a5c7a0.jpg



Orig lbl : KTH\_wool(0)  
Pred lbl : UIUC11\_floor2(3)  
55695925-dc33-4635-8267-e837c2  
261b4c.jpg



Orig lbl : KTH\_wool(0)  
Pred lbl : Kyberge\_wall1(2)  
f89914e4-c242-4877-bbed-60fbfb  
6ff01f.jpg



## Super-Category 4

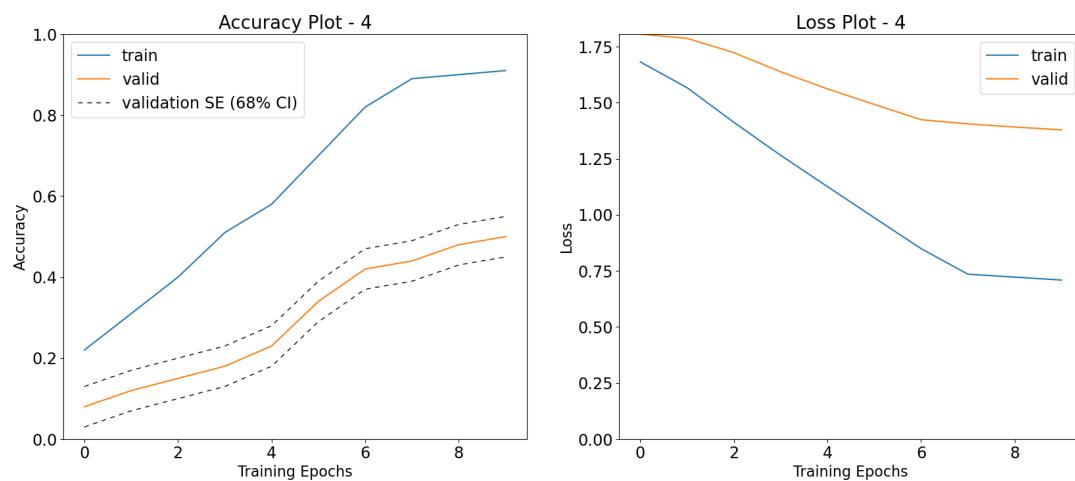
### Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 57s
Best Train Accuracy	0.91
Best Valid Accuracy	0.5
AUC	0.8
2*AUC-1	0.59
Standard Error	0.05

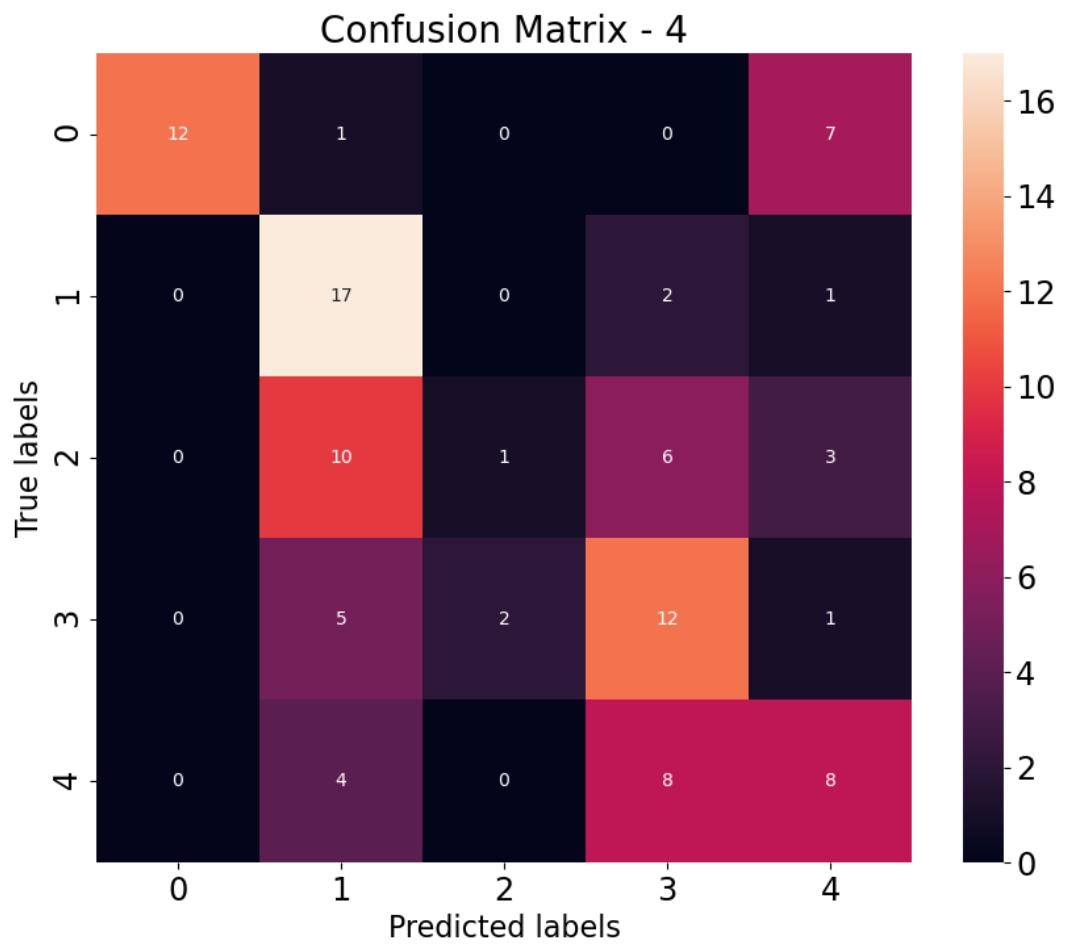
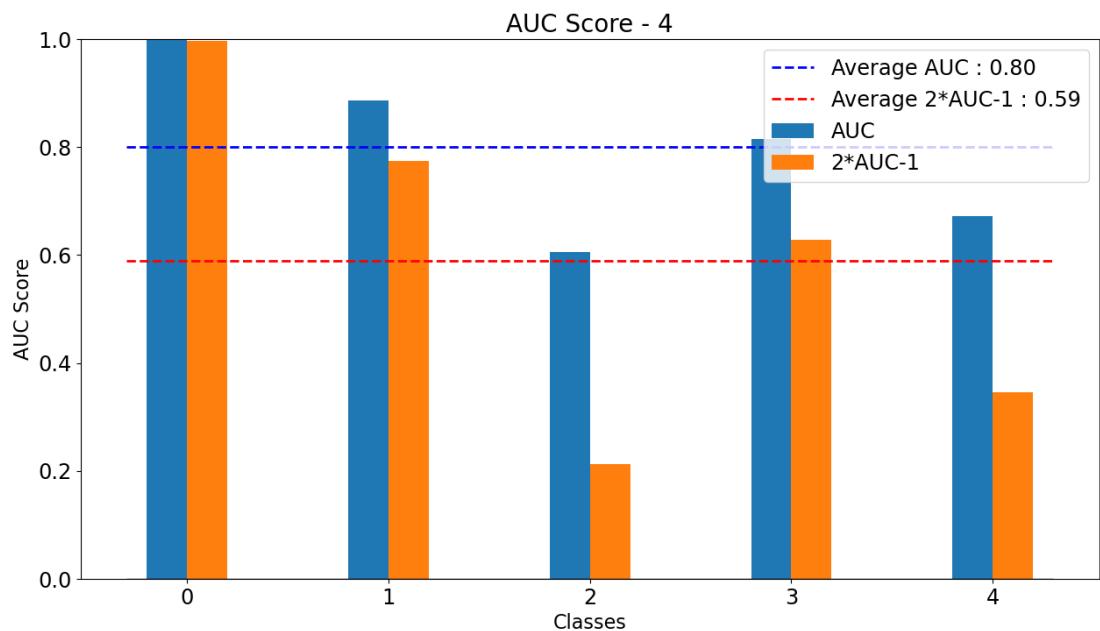
### Categories

Category #	Category Name
0	Kyberge_blanket1
1	Kyberge_lentils1
2	Kyberge_oatmeal1
3	UIUC01_bark1
4	UIUC04_wood1

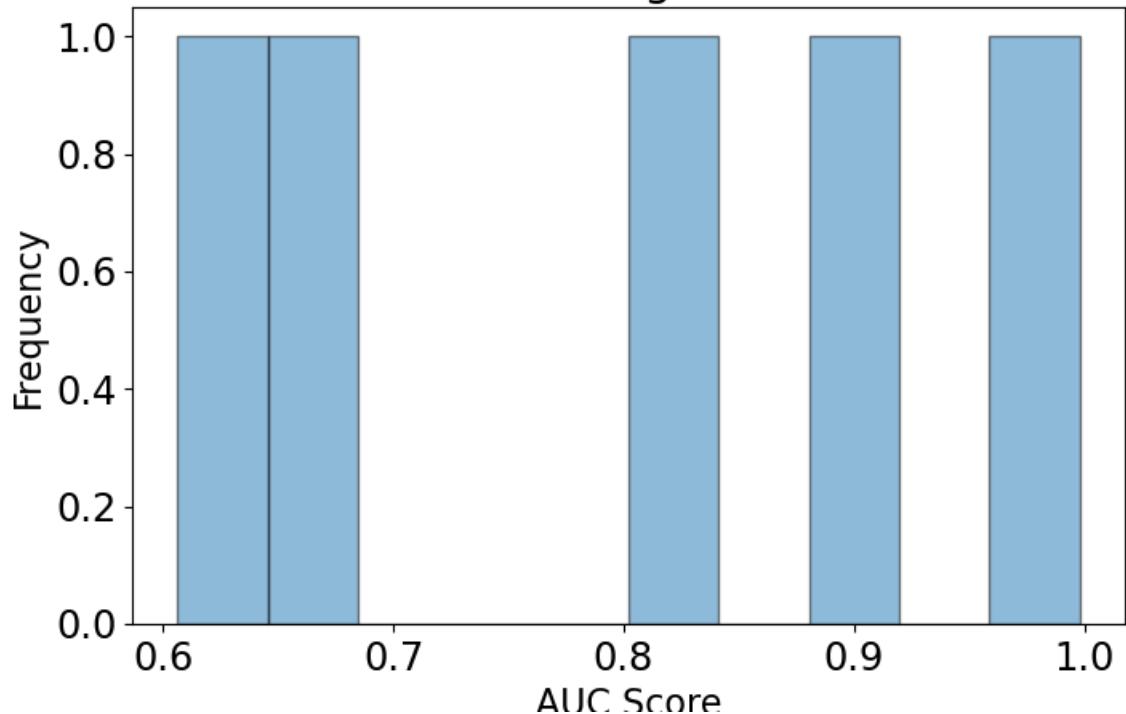
### Accuracy Loss Plot



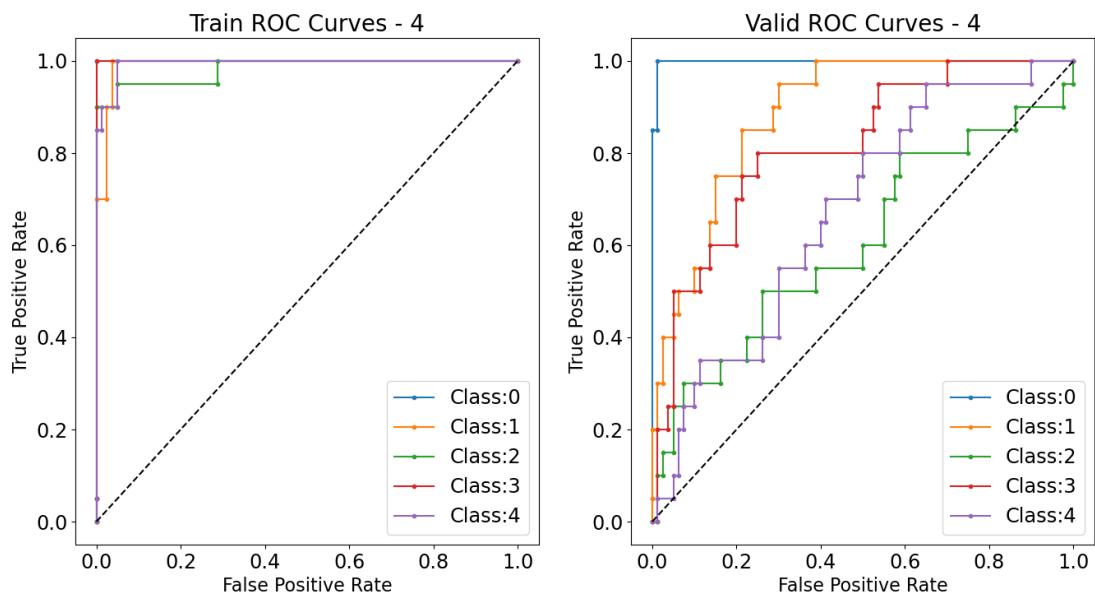
### Confusion Matrix

**AUC****AUC Histogram**

## AUC Histogram - 4



## ROC Curves

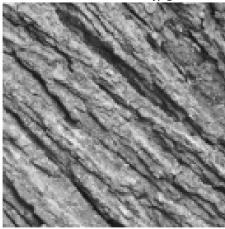


## Sample Images

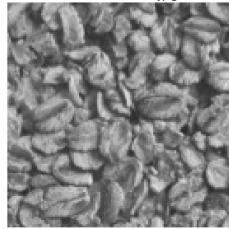


## Wrongly Classified Images

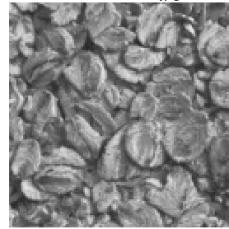
Orig lbl : UIUC01\_bark1(3)  
Pred lbl : Kyberge\_lentils1(1)  
fdcb307c-956c-4107-9bda-  
dd66aceeaecf.jpg



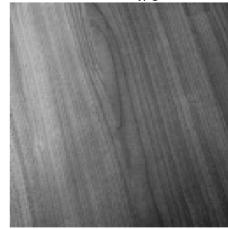
Orig lbl : Kyberge\_oatmeal1(2)  
Pred lbl : Kyberge\_lentils1(1)  
fdcb307c-956c-4107-9bda-  
dd66aceeaecf.jpg



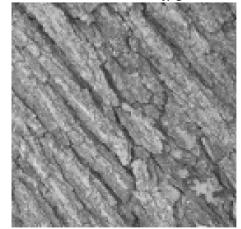
Orig lbl : Kyberge\_oatmeal1(2)  
Pred lbl : Kyberge\_lentils1(1)  
fdcb307c-956c-4107-9bda-  
dd66aceeaecf.jpg



Orig lbl : UIUC04\_wood1(4)  
Pred lbl : UIUC01\_bark1(3)  
cd073a6fb1e4-41c1-b39e-86799c  
81245c.jpg



Orig lbl : UIUC01\_bark1(3)  
Pred lbl : Kyberge\_lentils1(1)  
fdcb307c-956c-4107-9bda-  
dd66aceeaecf.jpg



## Super-Category 5

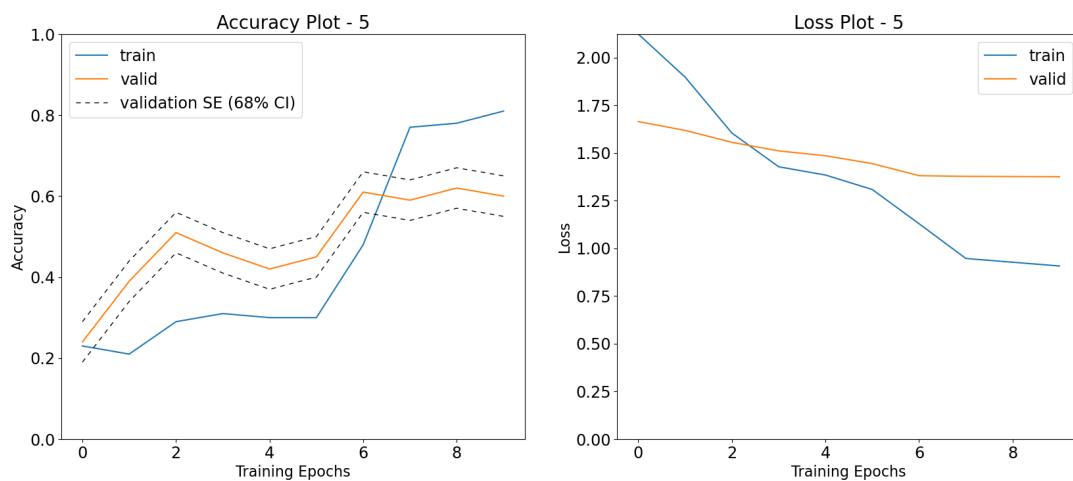
### Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 56s
Best Train Accuracy	0.81
Best Valid Accuracy	0.62
AUC	0.81
2*AUC-1	0.63
Standard Error	0.05

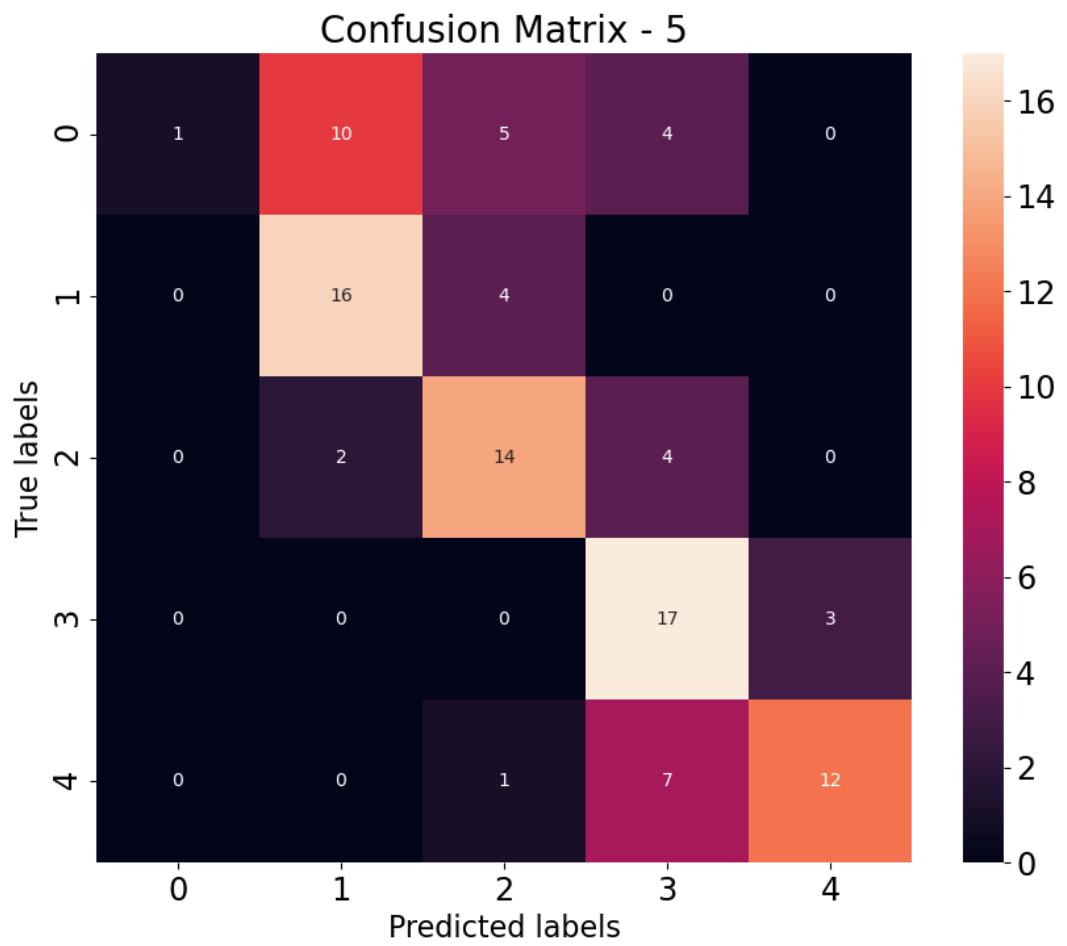
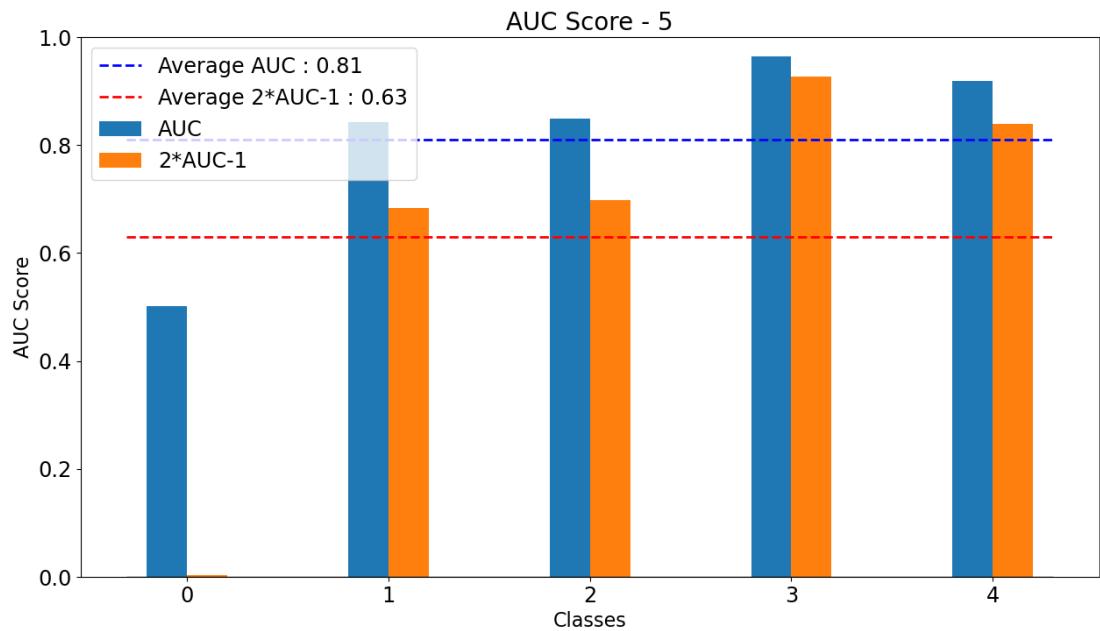
### Categories

Category #	Category Name
0	Kyberge_pearlsugar1
1	Kyberge_sesameseeds1
2	Kyberge_stone1
3	UIUC03_bark3
4	UIUC16_glass1

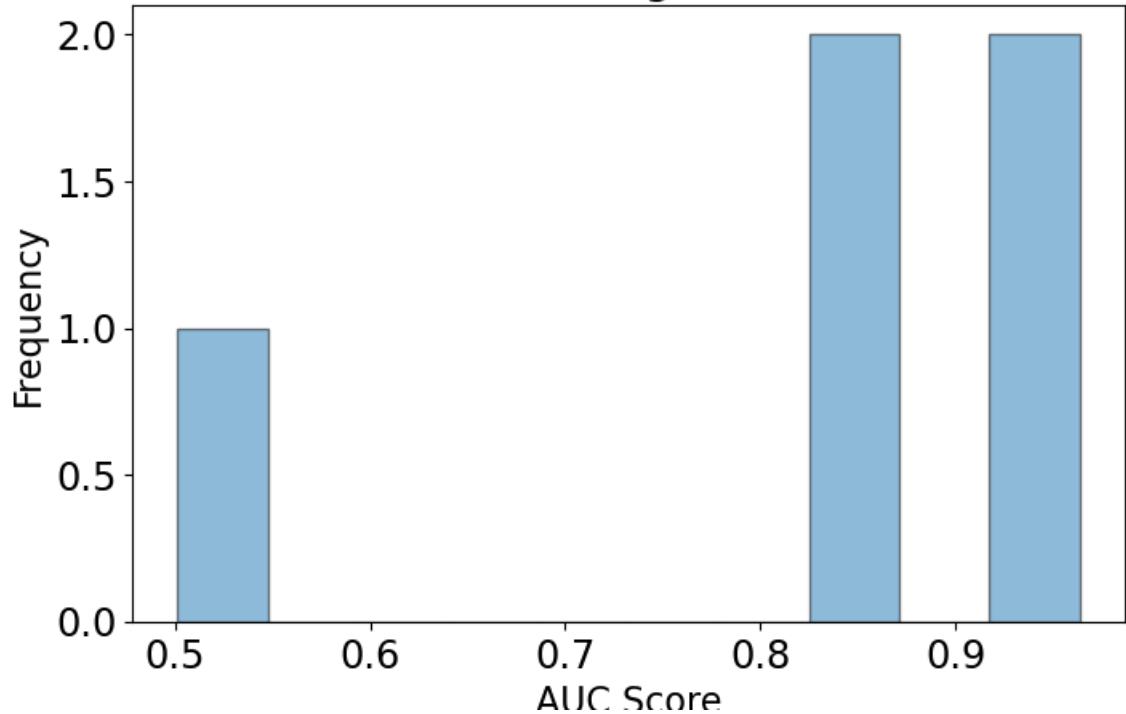
### Accuracy Loss Plot



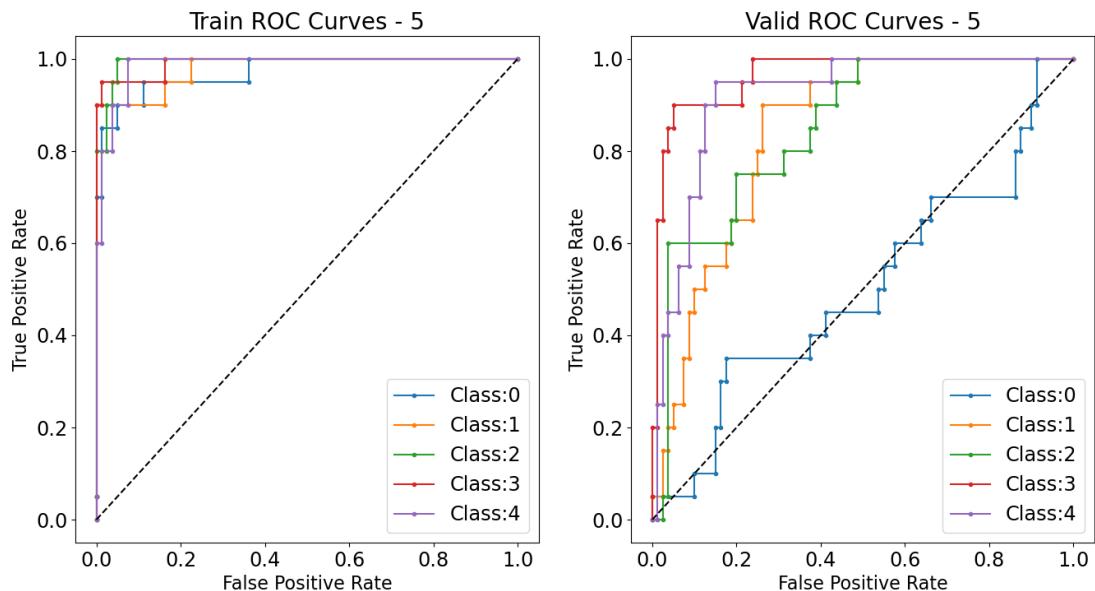
### Confusion Matrix

**AUC****AUC Histogram**

## AUC Histogram - 5

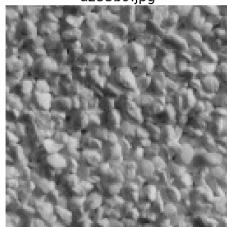


## ROC Curves

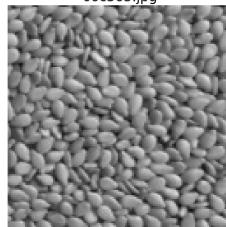


## Sample Images

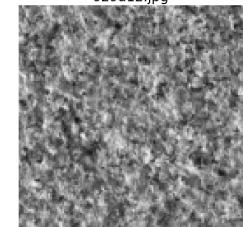
Kyberge\_pearlsugar1(0)  
7dbf4dec-0fca-4f8e-9eb0-a6f382  
a253b9.jpg



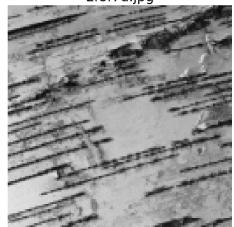
Kyberge\_sesameseeds1(1)  
2d4f275a-401a-4059-a1c9-f85c96  
06c365.jpg



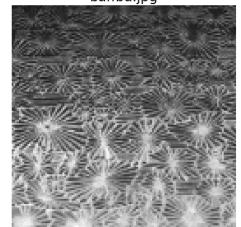
Kyberge\_stone1(2)  
504f89e6-7c22-43a4-bb52-4fc490  
929a12.jpg



UIUC03\_bark3(3)  
941767ee-9066-4a51-a561-3fd406  
2f8f7d.jpg

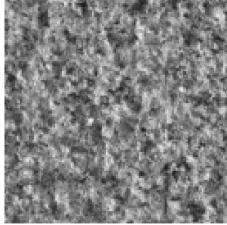


UIUC16\_glass1(4)  
2c5f0e2c-c5d4-49c1-b723-432eb7  
baaffba.jpg

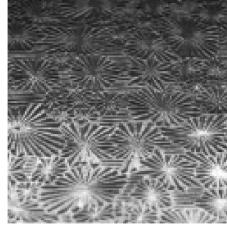


## Wrongly Classified Images

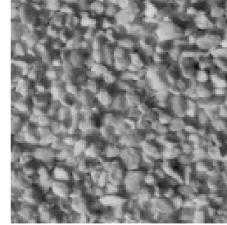
Orig lbl : Kyberge\_stone1(2)  
 Pred lbl : UIUC03\_bark3(3)  
 b7e5d723-4f4f-4744-b163-005948  
 564851.jpg



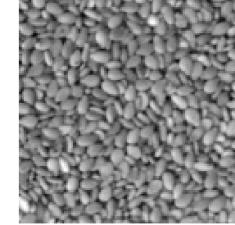
Orig lbl : UIUC16\_glass1(4)  
 Pred lbl : UIUC03\_bark3(3)  
 b7e5d723-4f4f-4744-b163-005948  
 564851.jpg



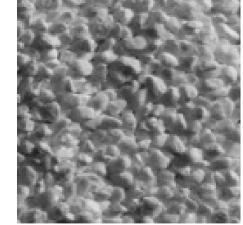
Orig lbl :  
 Kyberge\_pearlsugar1(0)  
 Pred lbl : Kyberge\_stone1(2)  
 69acaa0b-d8f8-4e2f-bbba-1dad35  
 da4848.jpg



Orig lbl :  
 Kyberge\_sesame seeds1(1)  
 Pred lbl : Kyberge\_stone1(2)  
 69acaa0b-d8f8-4e2f-bbba-1dad35  
 da4848.jpg



Orig lbl :  
 Kyberge\_pearlsugar1(0)  
 Pred lbl : UIUC03\_bark3(3)  
 b7e5d723-4f4f-4744-b163-005948  
 564851.jpg



## Super-Category 6

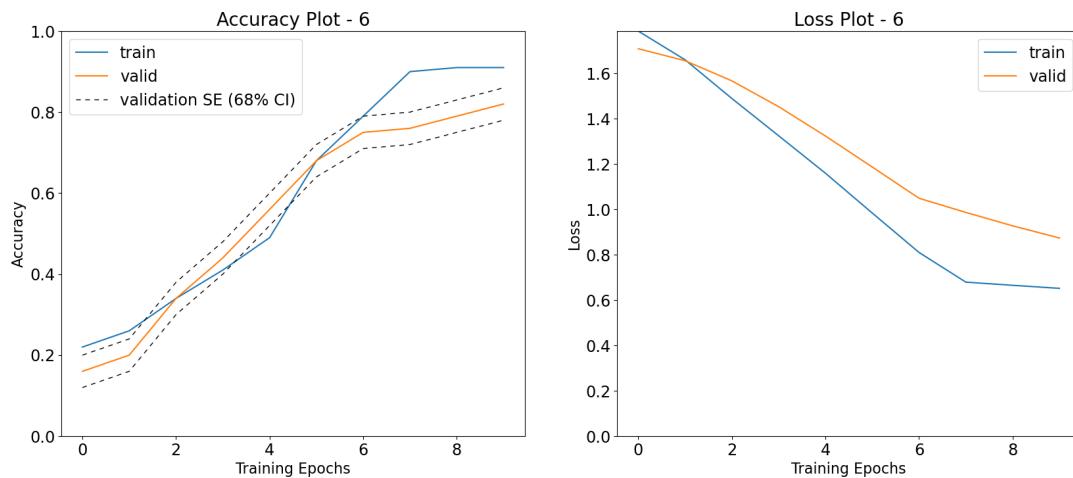
### Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 56s
Best Train Accuracy	0.91
Best Valid Accuracy	0.82
AUC	0.99
2*AUC-1	0.97
Standard Error	0.04

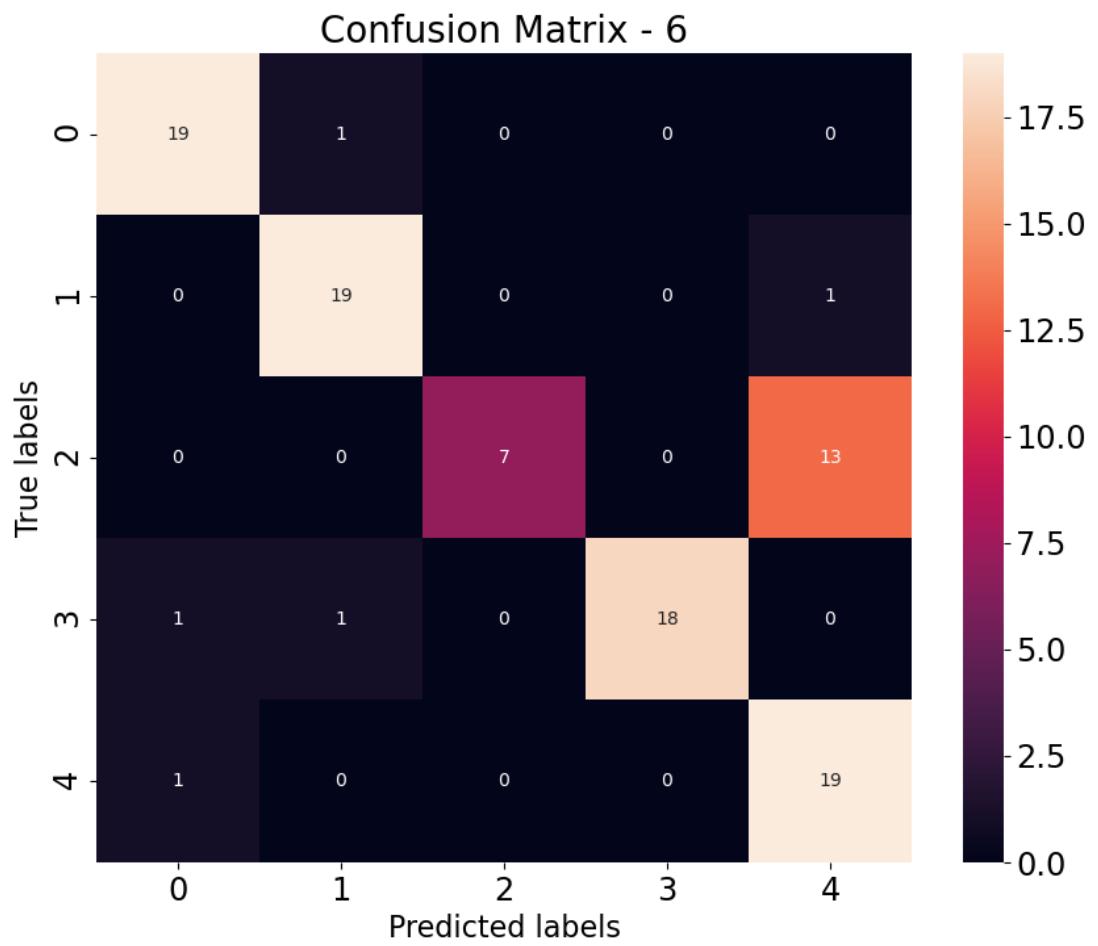
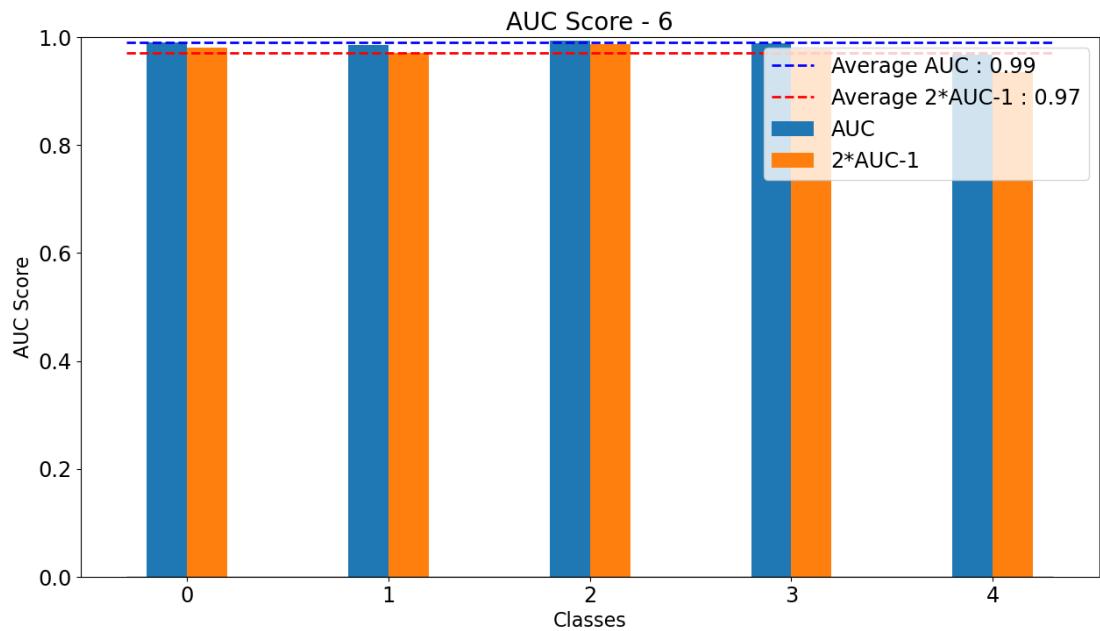
### Categories

Category #	Category Name
0	KTH_cork
1	Kyberge_blanket2
2	Kyberge_stone2
3	UIUC09_marble
4	UIUC15_brick2

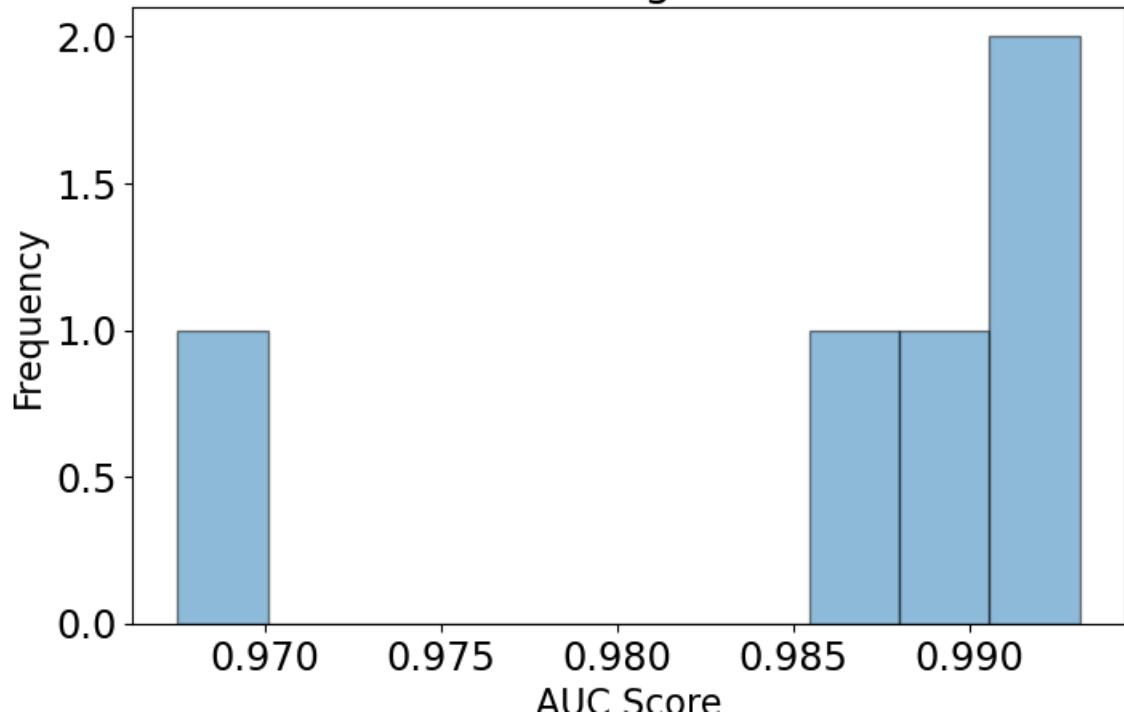
### Accuracy Loss Plot



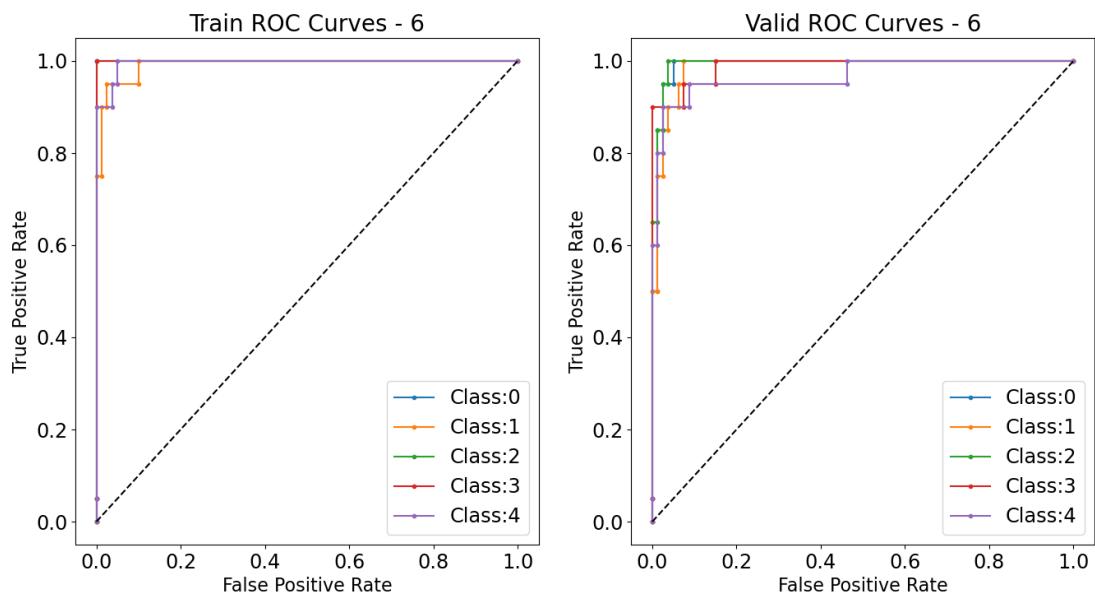
### Confusion Matrix

**AUC****AUC Histogram**

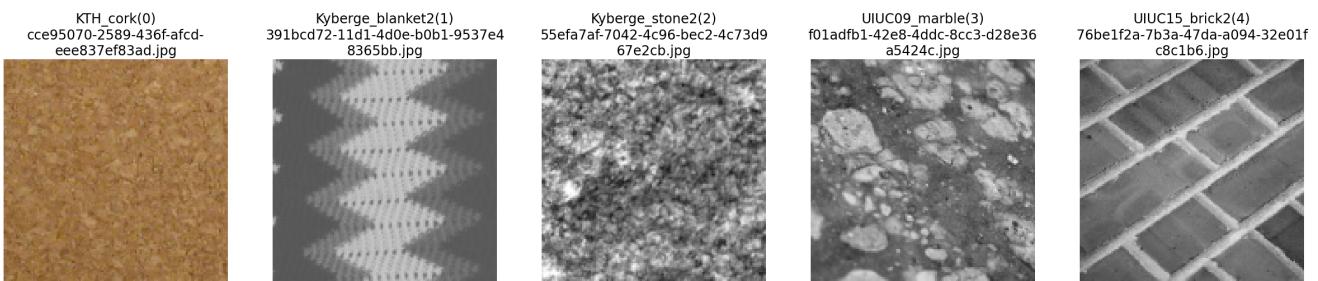
## AUC Histogram - 6



## ROC Curves

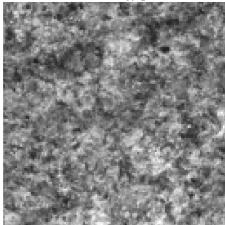


## Sample Images

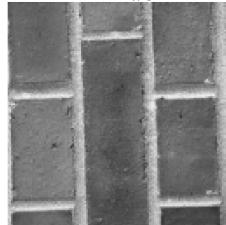


## Wrongly Classified Images

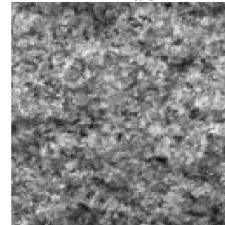
Orig lbl : Kyberge\_stone2(2)  
Pred lbl : UIUC15\_brick2(4)  
3b0fe62d-d538-4ca2-8b99-8ab706  
ffe91c.jpg



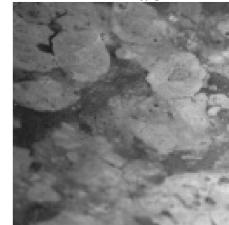
Orig lbl : UIUC15\_brick2(4)  
Pred lbl : KTH\_cork(0)  
a72f6e60-d8e1-4144-a56d-1ce6f4  
38f7cc.jpg



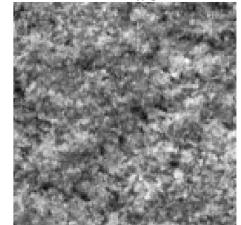
Orig lbl : Kyberge\_stone2(2)  
Pred lbl : UIUC15\_brick2(4)  
3b0fe62d-d538-4ca2-8b99-8ab706  
ffe91c.jpg



Orig lbl : UIUC09\_marble(3)  
Pred lbl : Kyberge\_blanket2(1)  
1235b66b-4321-4ff4-b174-477cbb  
e84da6.jpg



Orig lbl : Kyberge\_stone2(2)  
Pred lbl : UIUC15\_brick2(4)  
3b0fe62d-d538-4ca2-8b99-8ab706  
ffe91c.jpg



## Super-Category 7

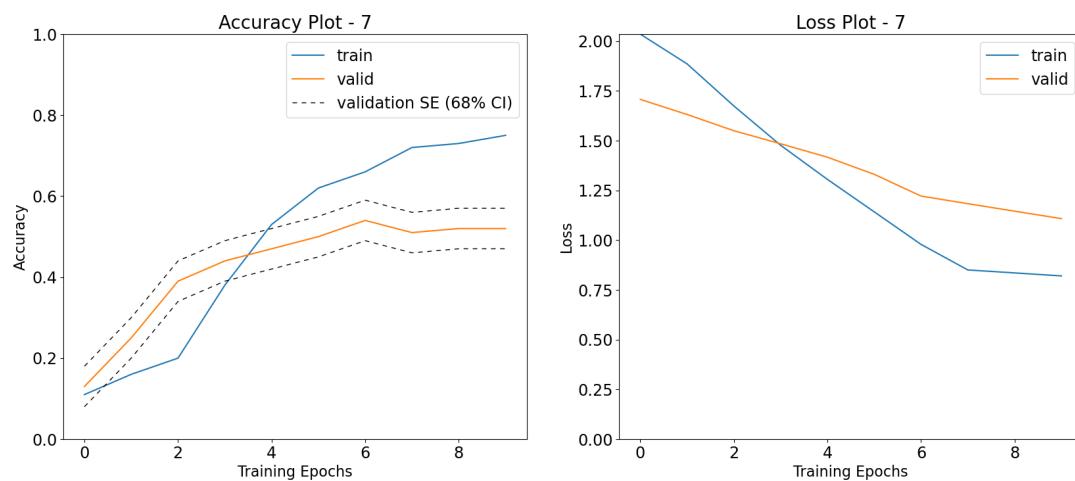
### Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 56s
Best Train Accuracy	0.75
Best Valid Accuracy	0.54
AUC	0.93
2*AUC-1	0.86
Standard Error	0.05

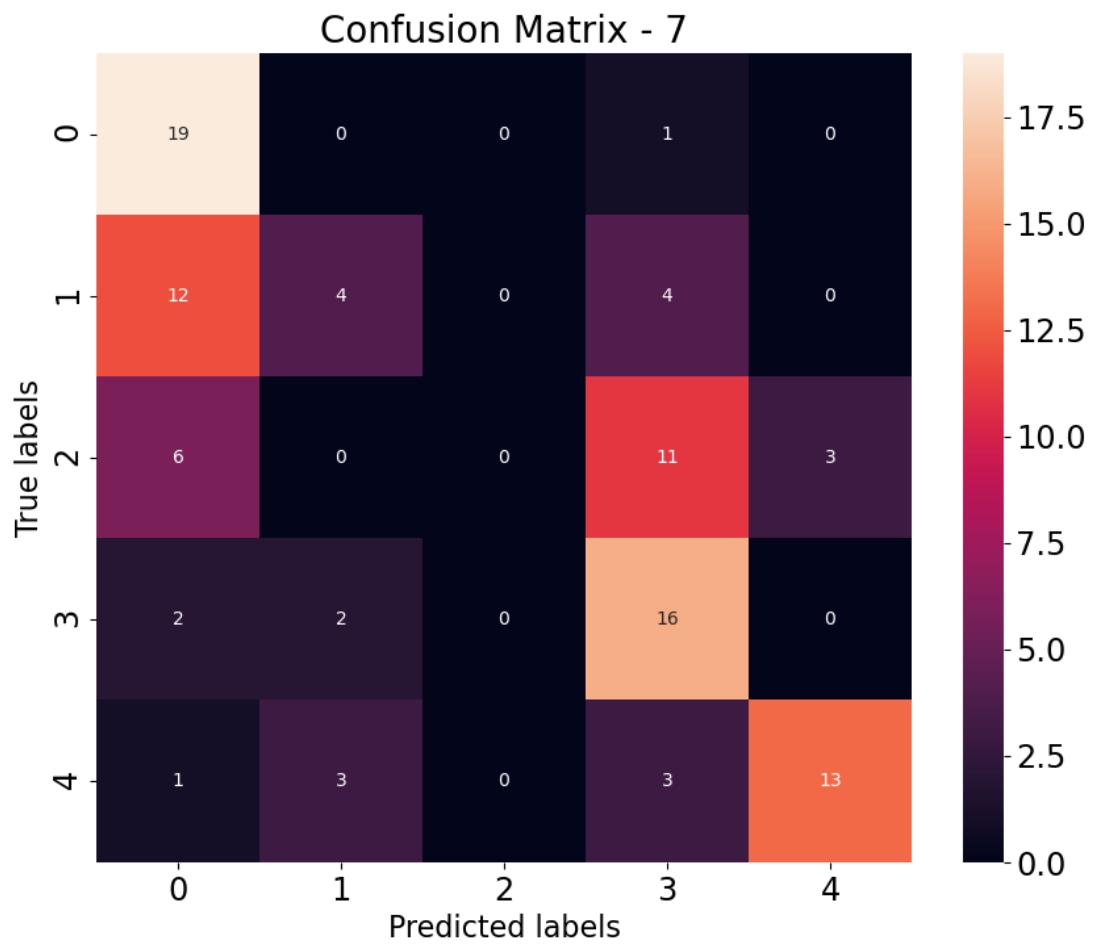
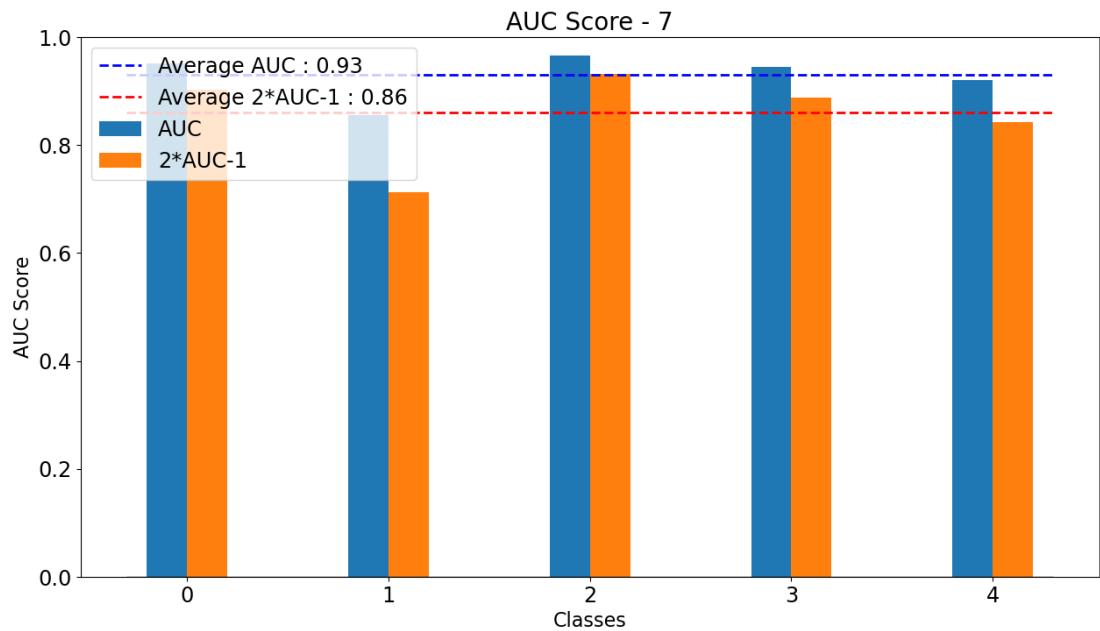
### Categories

Category #	Category Name
0	KTH_brown_bread
1	KTH_cracker
2	Kyberge_seat2
3	UIUC10_floor1
4	UIUC25_plaid

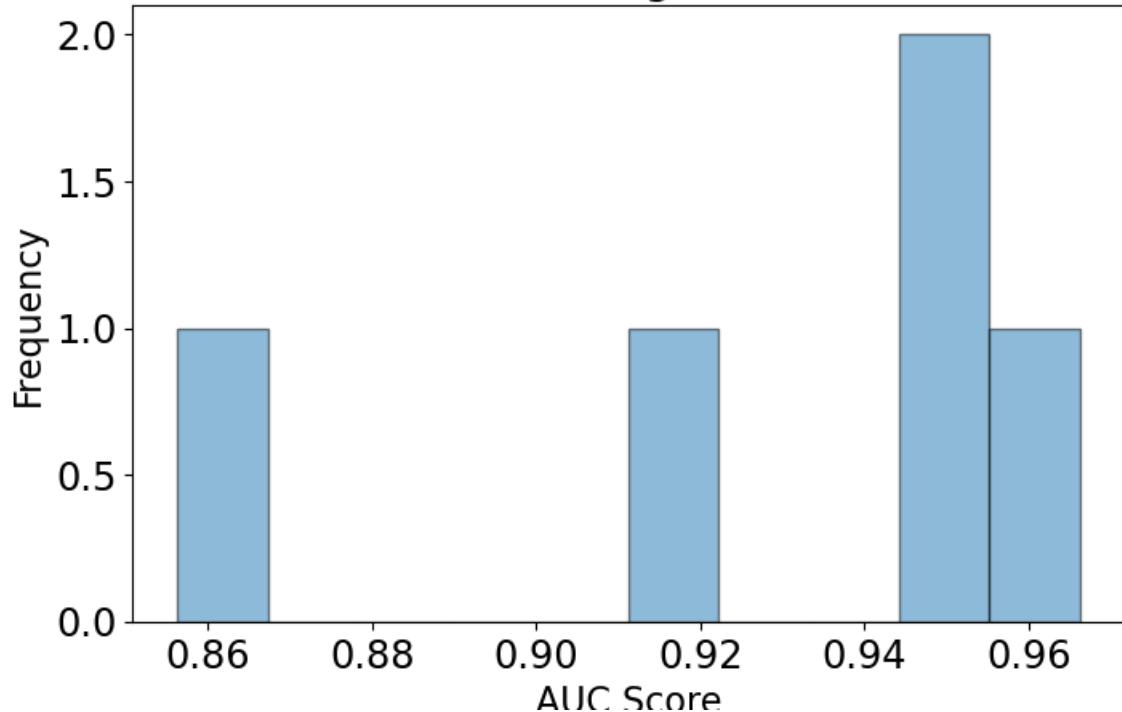
### Accuracy Loss Plot



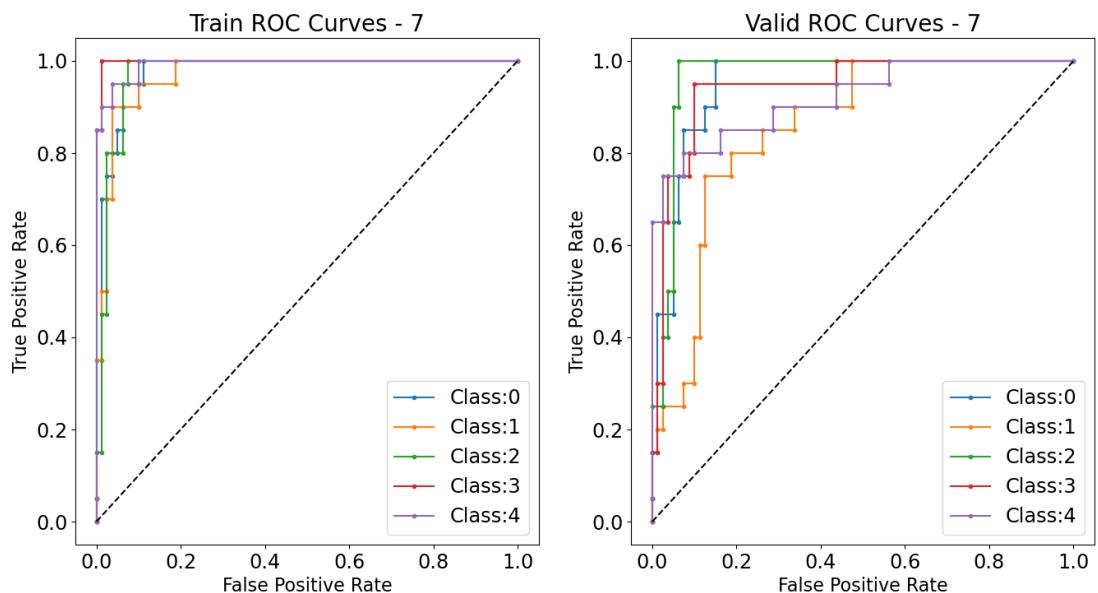
### Confusion Matrix

**AUC****AUC Histogram**

## AUC Histogram - 7



## ROC Curves



## Sample Images

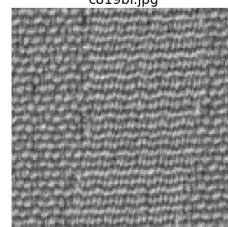
KTH\_brown\_bread(0)  
6eb74e17-a84f-43c6-a40c-950caa  
8e04d6.jpg



KTH\_cracker(1)  
d5fe5343-fdf7-4165-bbd3-2d9470  
21abe5.jpg



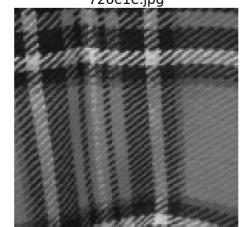
Kyberge\_seat2(2)  
dfa1fd3a-1b1f-456d-918b-5aaafde  
c619bf.jpg



UIUC10\_floor1(3)  
e02f89eb-05fd-45dd-99dd-  
ec9eb124c21d.jpg

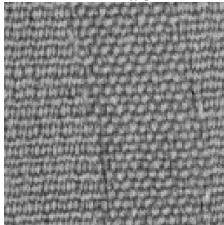


UIUC25\_plaid(4)  
f550c2d9-8758-413f-b15f-9e7110  
726e1e.jpg

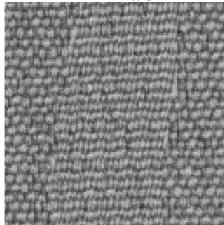


## Wrongly Classified Images

Orig lbl : Kyberge\_seat2(2)  
Pred lbl : UIUC25\_plaid(4)  
c4fed4db-6b0e-41d1-ad4e-699c93  
2cf109.jpg



Orig lbl : Kyberge\_seat2(2)  
Pred lbl : UIUC10\_floor1(3)  
03c7d8af-6f3e-4046-8689-ca0e2e  
ab5b76.jpg



Orig lbl : KTH\_cracker(1)  
Pred lbl : UIUC10\_floor1(3)  
03c7d8af-6f3e-4046-8689-ca0e2e  
ab5b76.jpg



Orig lbl : KTH\_cracker(1)  
Pred lbl : KTH\_brown\_bread(0)  
b342f082-fb65-4236-afd4-c7ccb8  
de8df1.jpg



Orig lbl : UIUC25\_plaid(4)  
Pred lbl : KTH\_cracker(1)  
7aaead34-7ed2-4c29-b5aa-95cd4a  
008ddf.jpg



## Super-Category 8

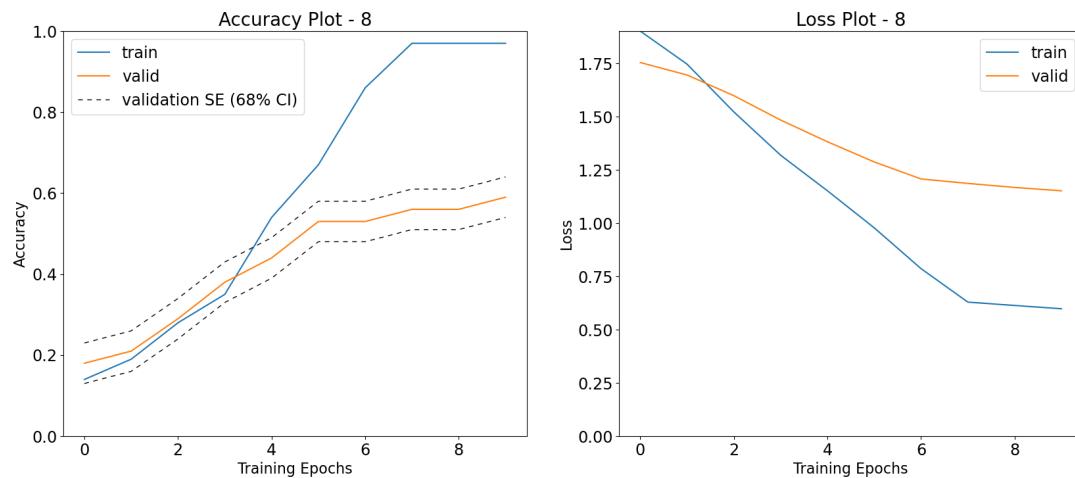
### Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 56s
Best Train Accuracy	0.97
Best Valid Accuracy	0.59
AUC	0.93
2*AUC-1	0.85
Standard Error	0.05

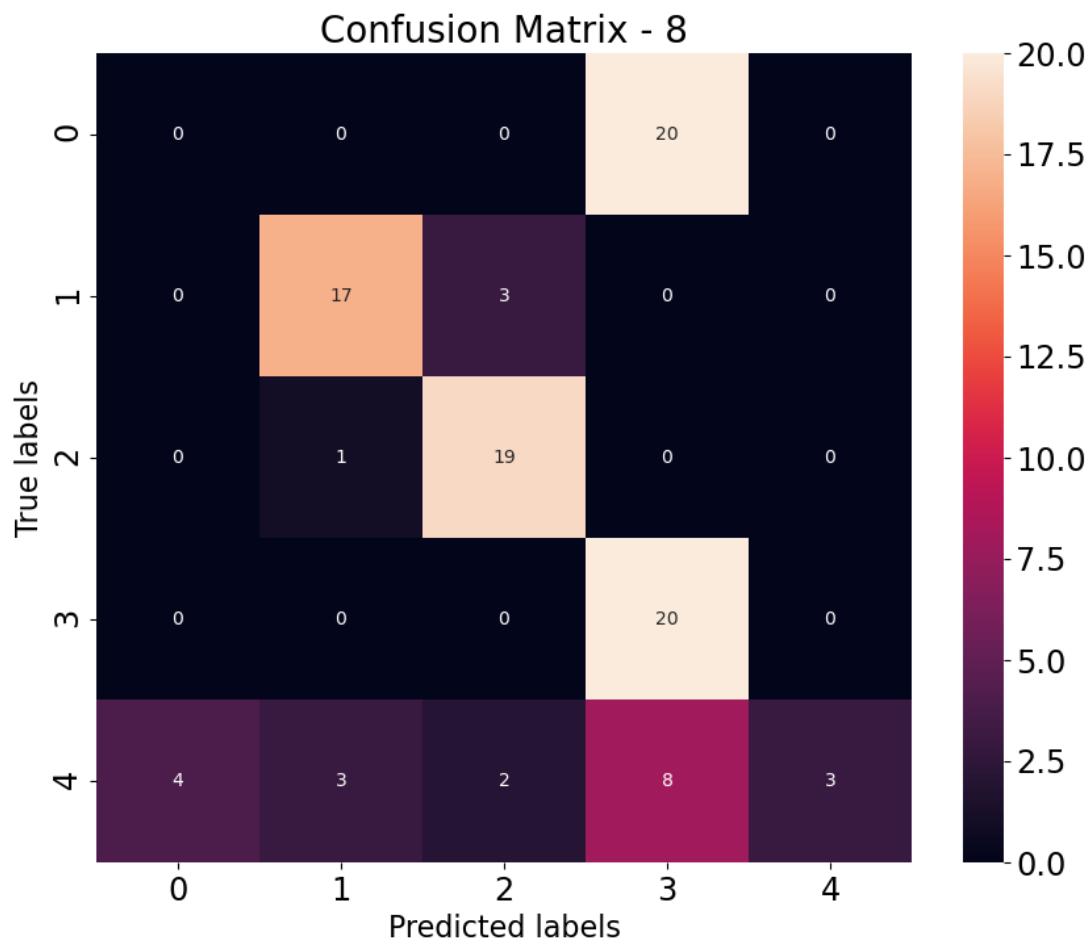
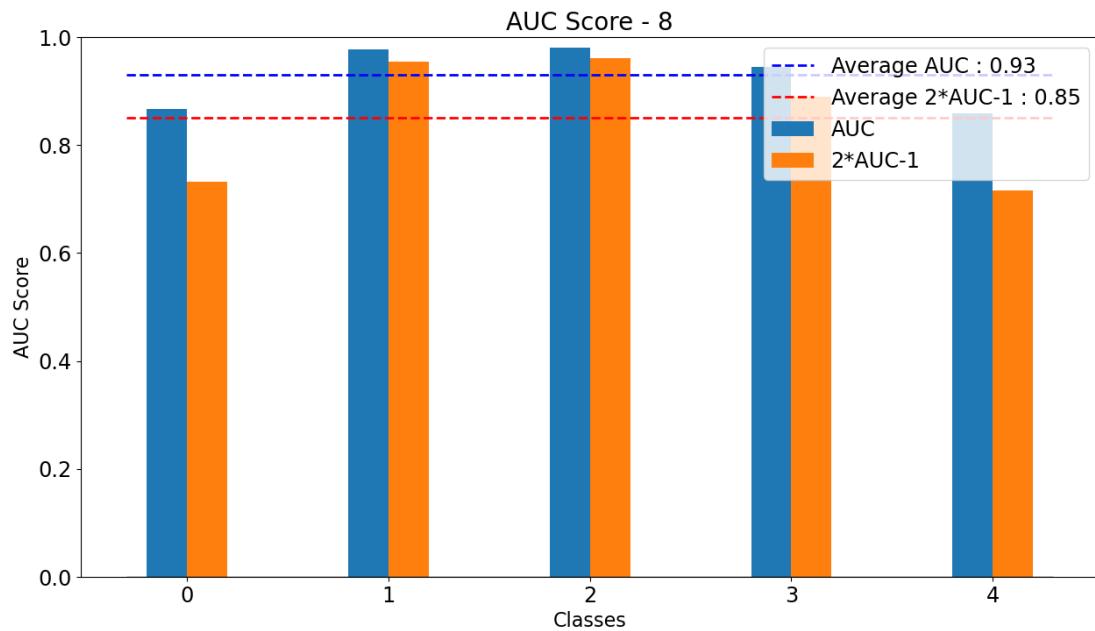
### Categories

Category #	Category Name
0	Kyberge_ceiling2
1	Kyberge_rice1
2	Kyberge_rice2
3	Kyberge_seat1
4	UIUC02_bark2

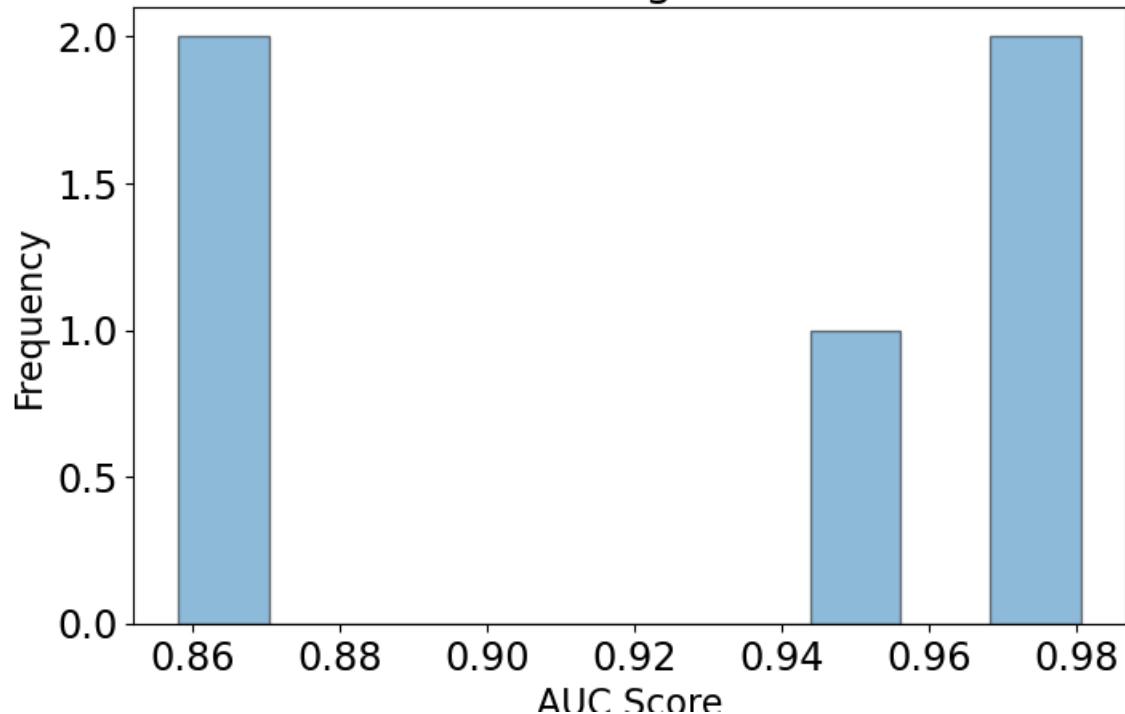
### Accuracy Loss Plot



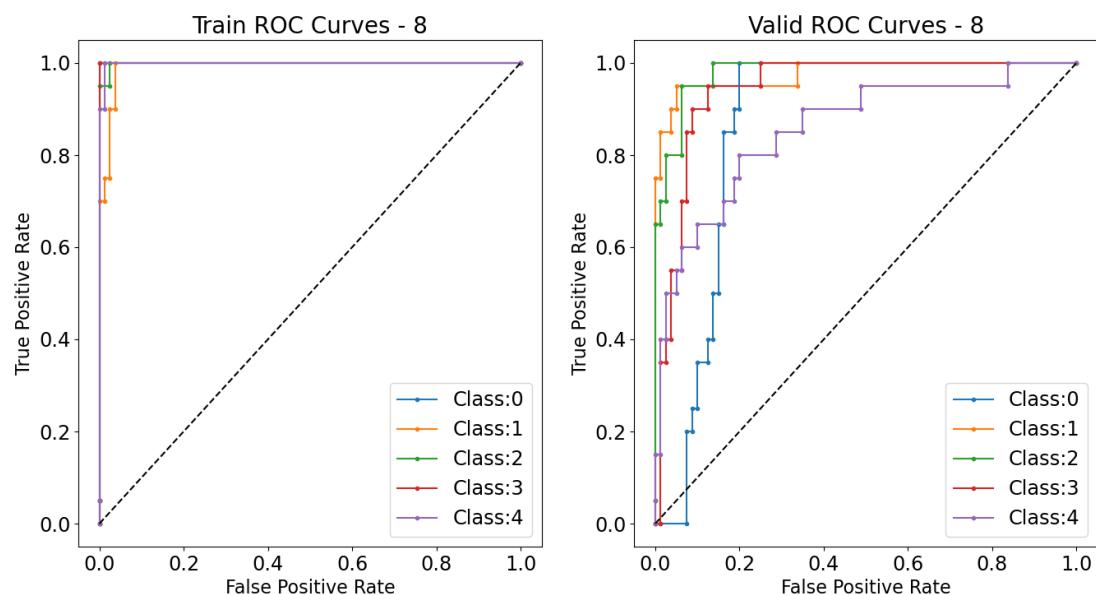
### Confusion Matrix

**AUC****AUC Histogram**

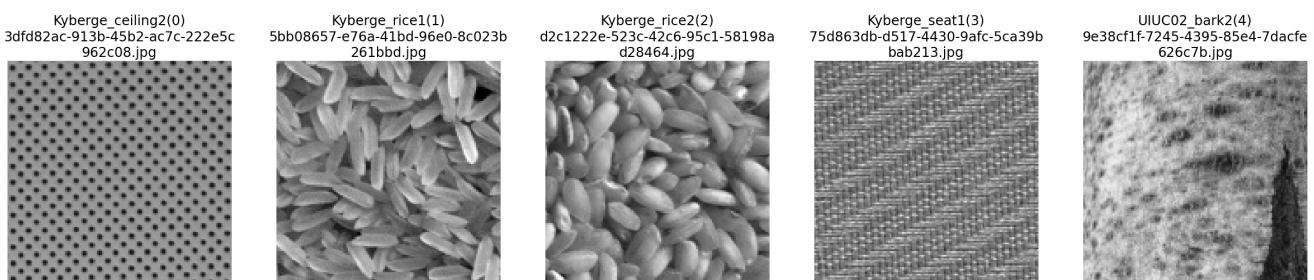
## AUC Histogram - 8



## ROC Curves

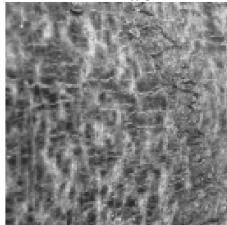


## Sample Images

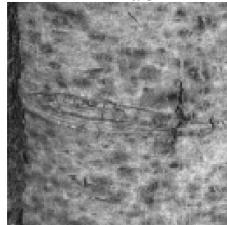


## Wrongly Classified Images

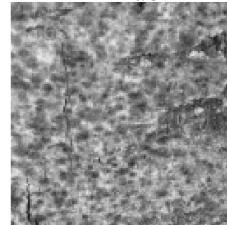
Orig lbl : UIUC02\_bark(4)  
Pred lbl : Kyberge\_seat1(3)  
9a1636af-3a2f-465c-865b-65506e  
46cefd.jpg



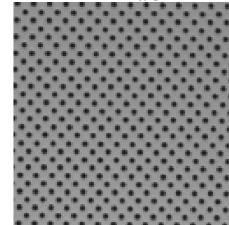
Orig lbl : UIUC02\_bark2(4)  
Pred lbl : Kyberge\_seat1(3)  
9a1636af-3a2f-465c-865b-65506e  
46cefd.jpg



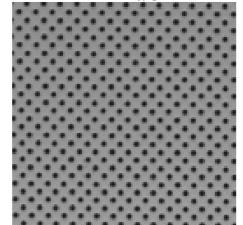
Orig lbl : UIUC02\_bark2(4)  
Pred lbl : Kyberge\_ceiling2(0)  
06b43f64-3e62-4ad5-9cb8-309e8c  
2bf54e.jpg



Orig lbl : Kyberge\_ceiling2(0)  
Pred lbl : Kyberge\_seat1(3)  
9a1636af-3a2f-465c-865b-65506e  
46cefd.jpg



Orig lbl : Kyberge\_ceiling2(0)  
Pred lbl : Kyberge\_seat1(3)  
9a1636af-3a2f-465c-865b-65506e  
46cefd.jpg



## Super-Category 9

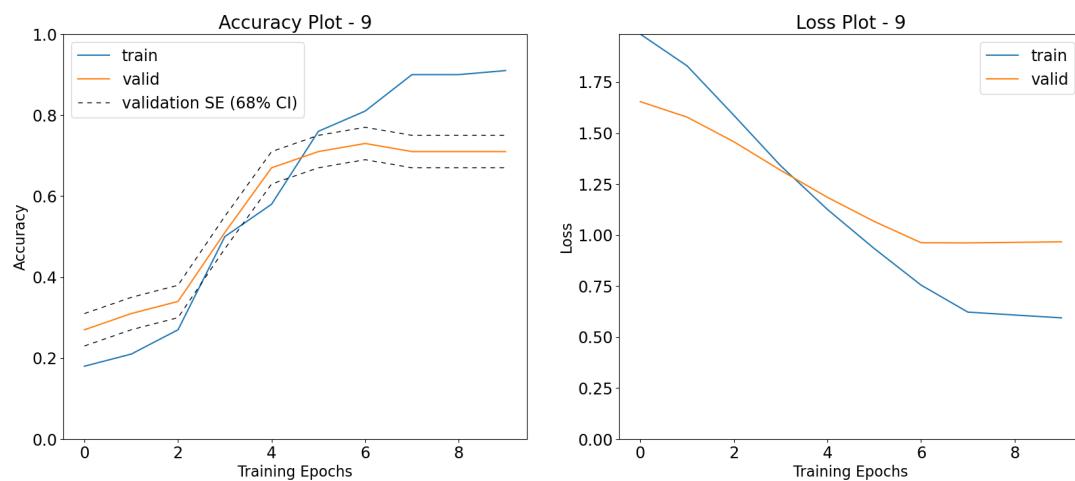
### Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 56s
Best Train Accuracy	0.91
Best Valid Accuracy	0.73
AUC	0.92
2*AUC-1	0.84
Standard Error	0.04

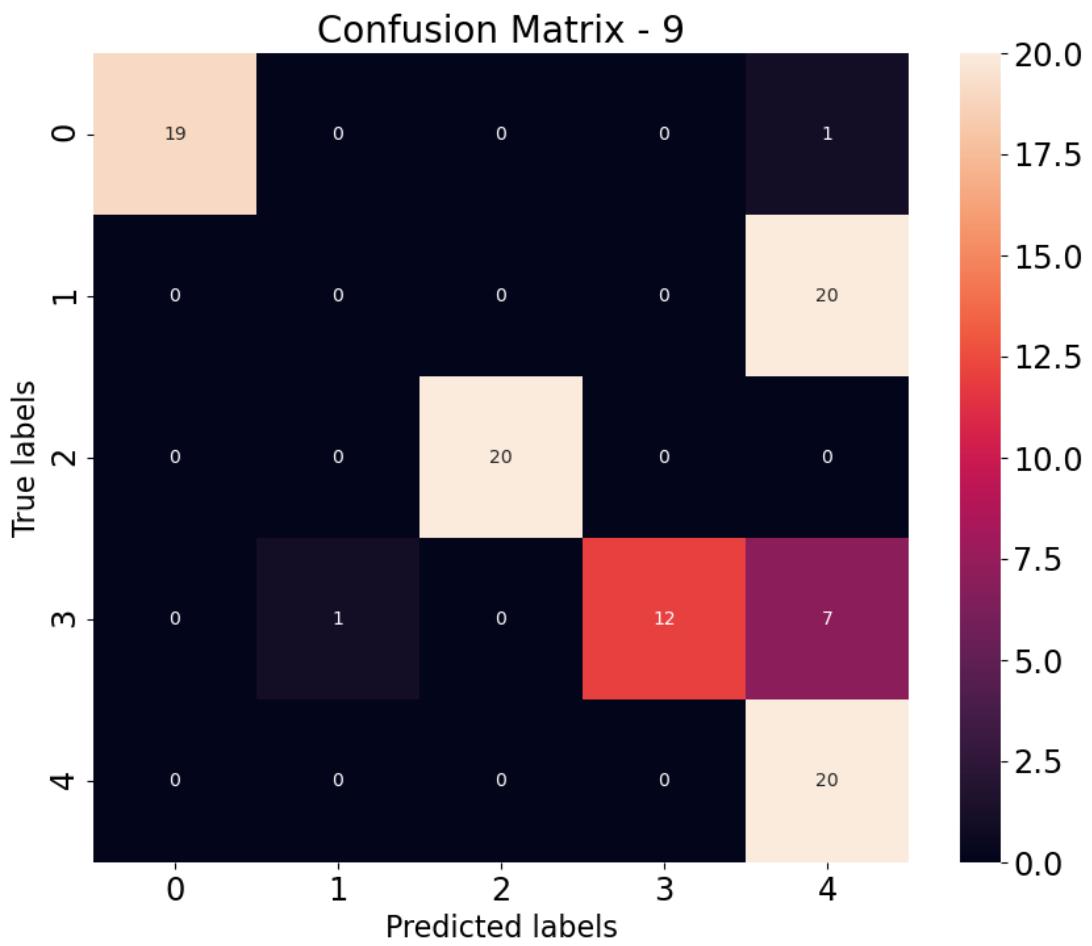
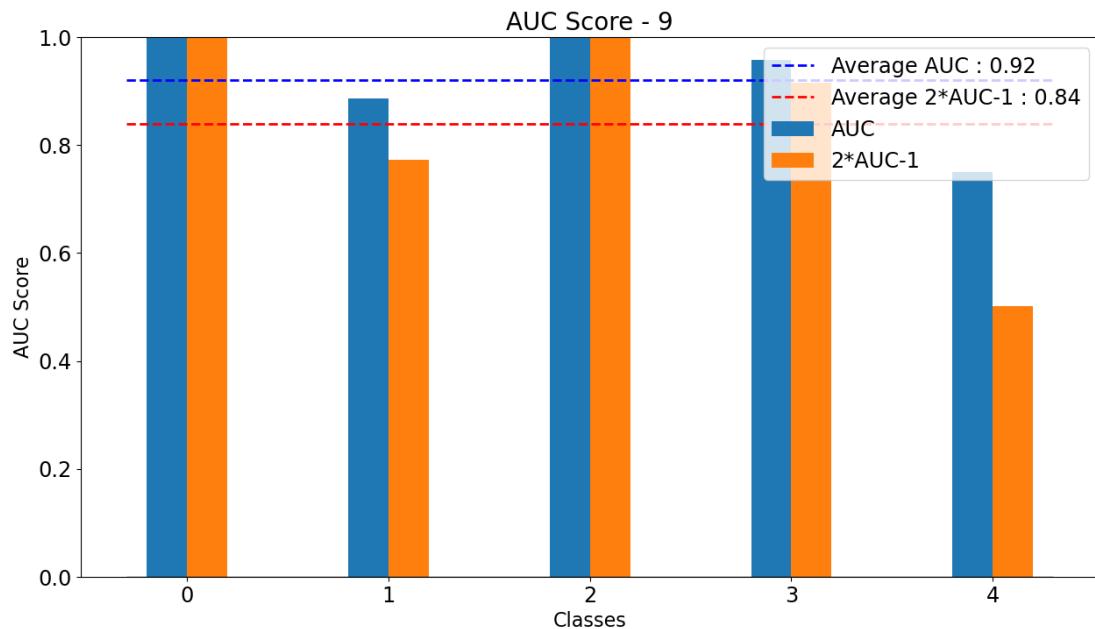
### Categories

Category #	Category Name
0	Kyberge_floor1
1	Kyberge_rug1
2	Kyberge_scarf2
3	UIUC13_wall
4	UIUC19_carpet2

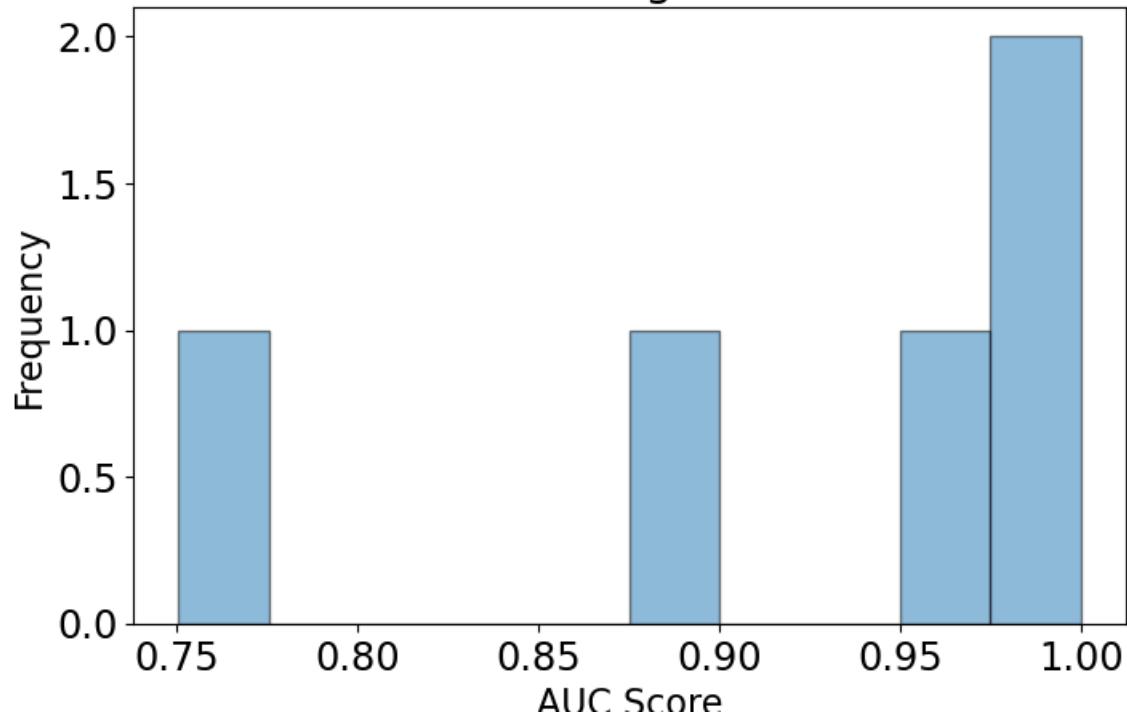
### Accuracy Loss Plot



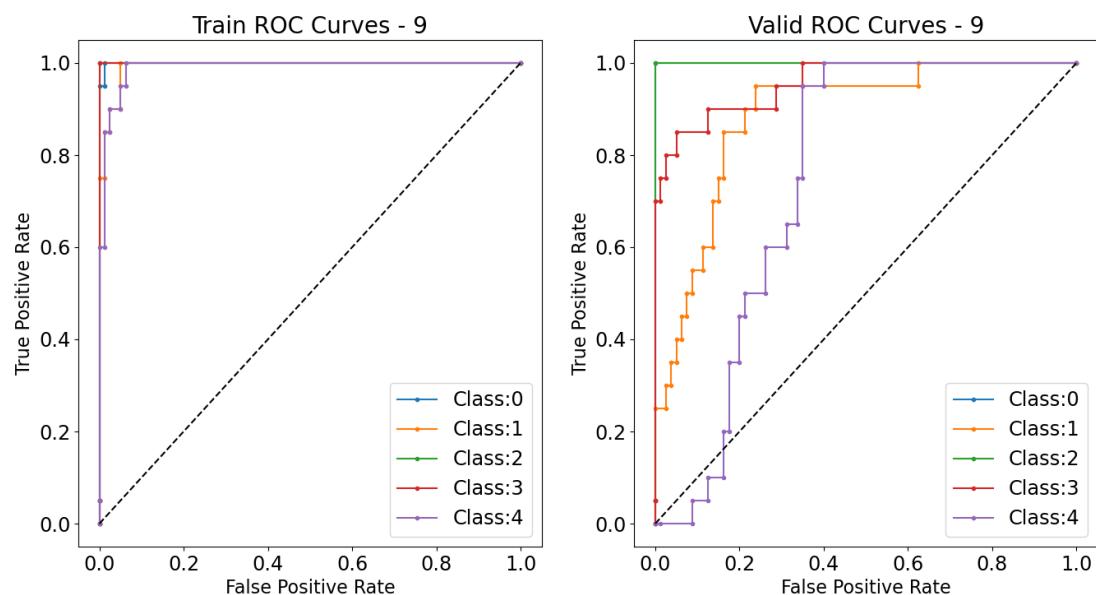
### Confusion Matrix

**AUC****AUC Histogram**

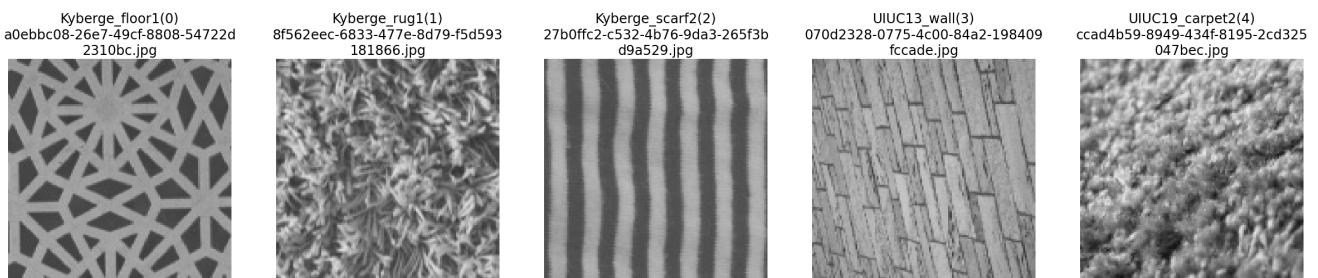
## AUC Histogram - 9



## ROC Curves



## Sample Images



## Wrongly Classified Images

Orig lbl : UIUC13\_wall(3)  
Pred lbl : UIUC19\_carpet2(4)  
f389a4cc-d6dd-460f-a497-57b071  
f16b85.jpg



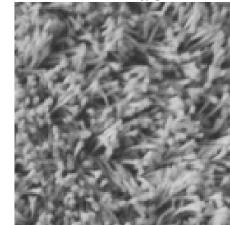
Orig lbl : Kyberge\_rug1(1)  
Pred lbl : UIUC19\_carpet2(4)  
f389a4cc-d6dd-460f-a497-57b071  
f16b85.jpg



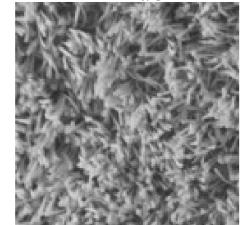
Orig lbl : UIUC13\_wall(3)  
Pred lbl : UIUC19\_carpet2(4)  
f389a4cc-d6dd-460f-a497-57b071  
f16b85.jpg



Orig lbl : Kyberge\_rug1(1)  
Pred lbl : UIUC19\_carpet2(4)  
f389a4cc-d6dd-460f-a497-57b071  
f16b85.jpg



Orig lbl : Kyberge\_rug1(1)  
Pred lbl : UIUC19\_carpet2(4)  
f389a4cc-d6dd-460f-a497-57b071  
f16b85.jpg



## Super-Category 10

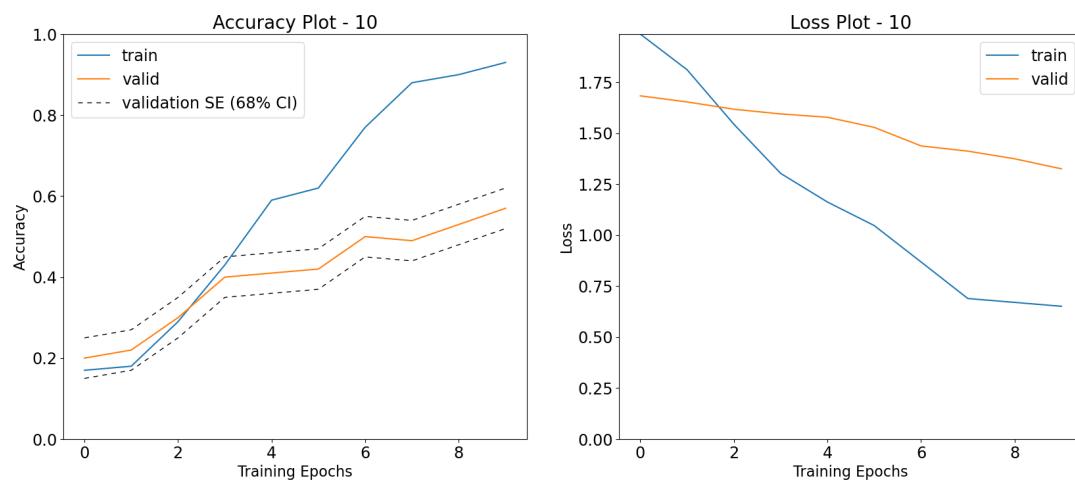
### Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 57s
Best Train Accuracy	0.93
Best Valid Accuracy	0.57
AUC	0.89
2*AUC-1	0.78
Standard Error	0.05

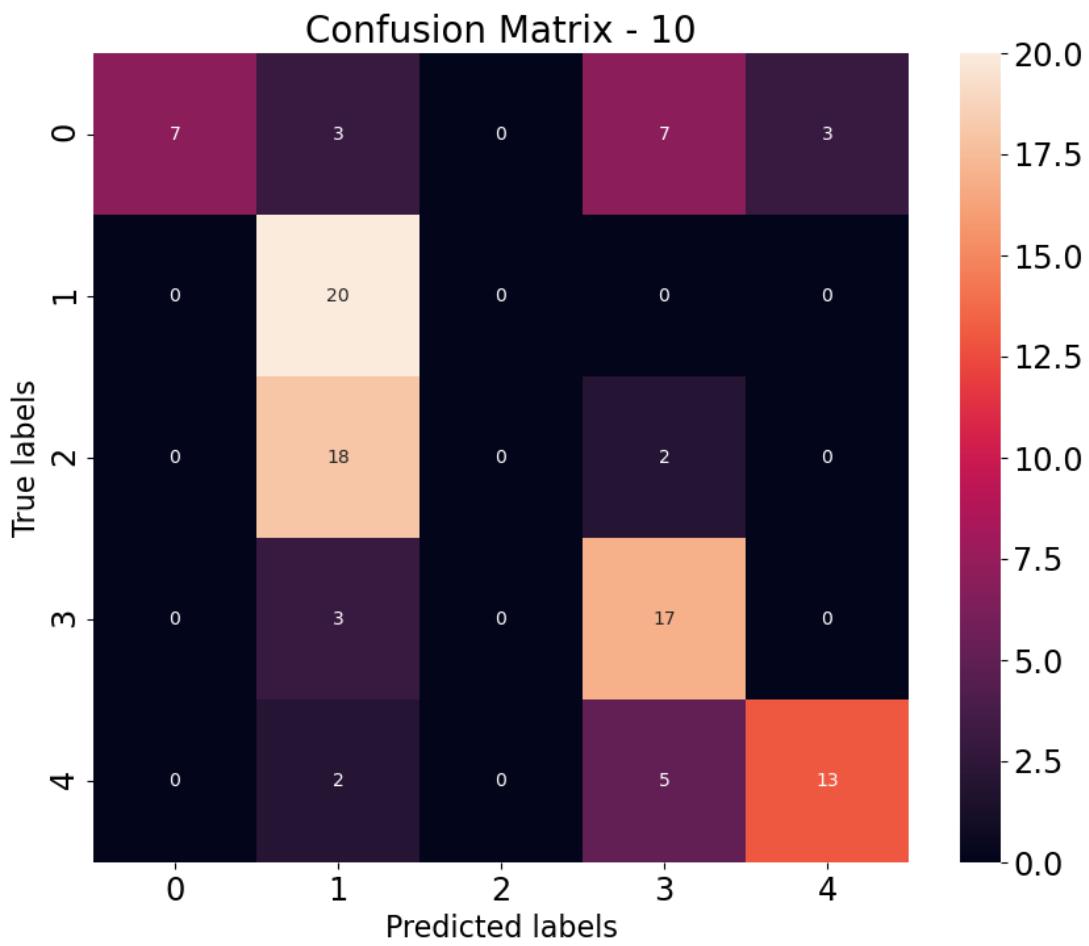
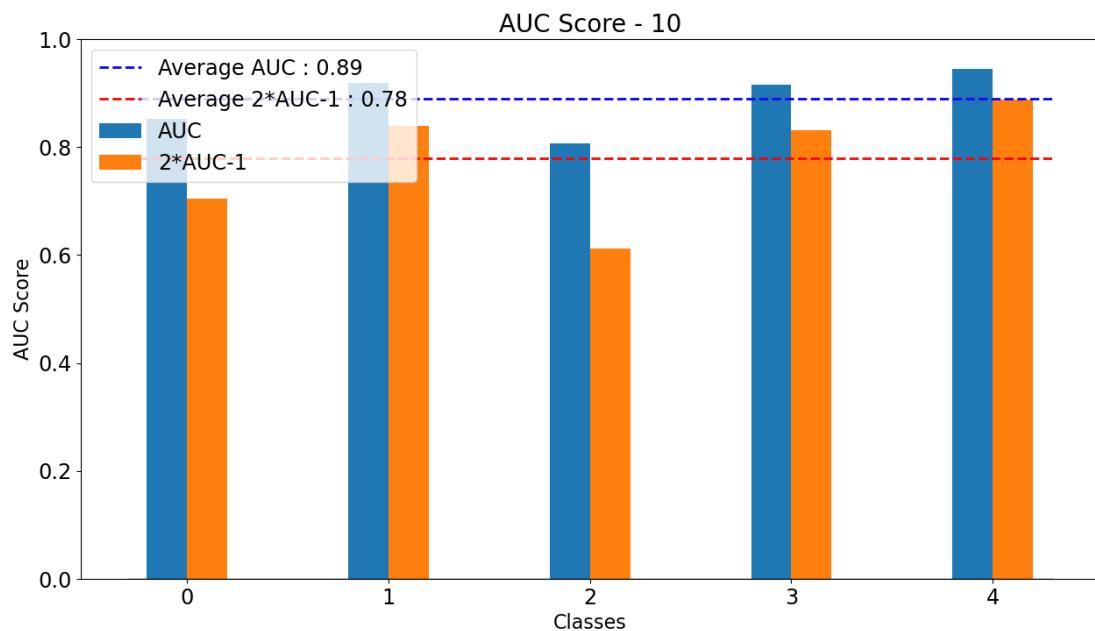
### Categories

Category #	Category Name
0	KTH_linen
1	Kyberge_canvas1
2	Kyberge_stone3
3	UIUC07_water
4	UIUC21_wallpaper

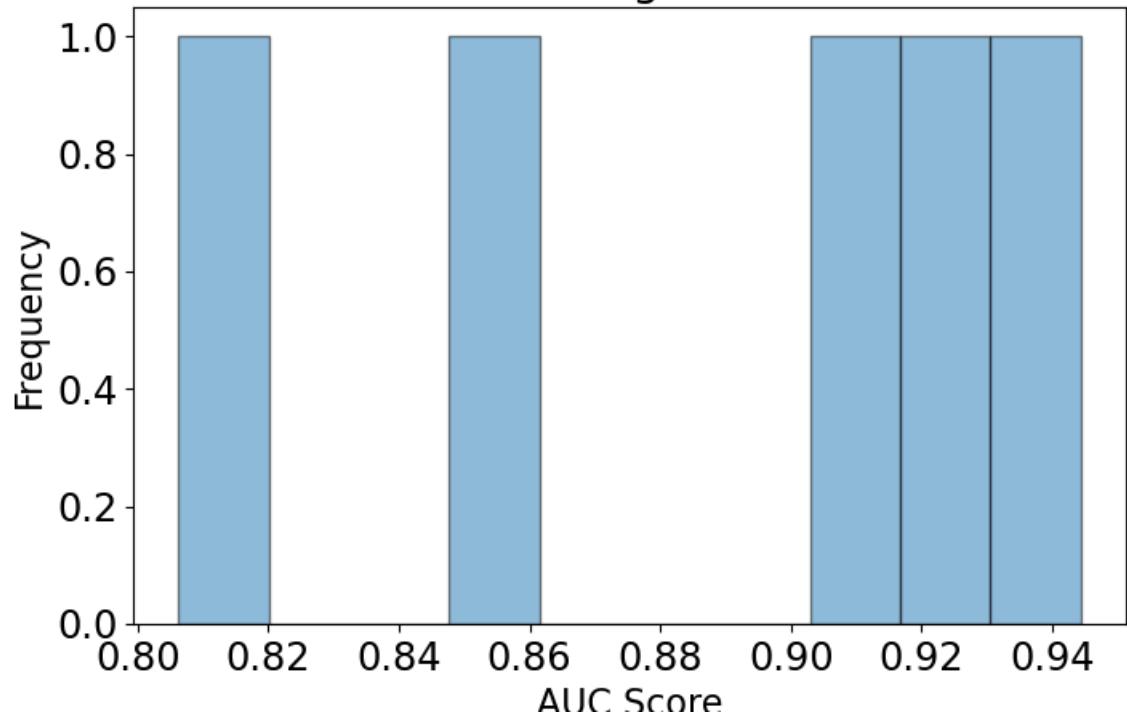
### Accuracy Loss Plot



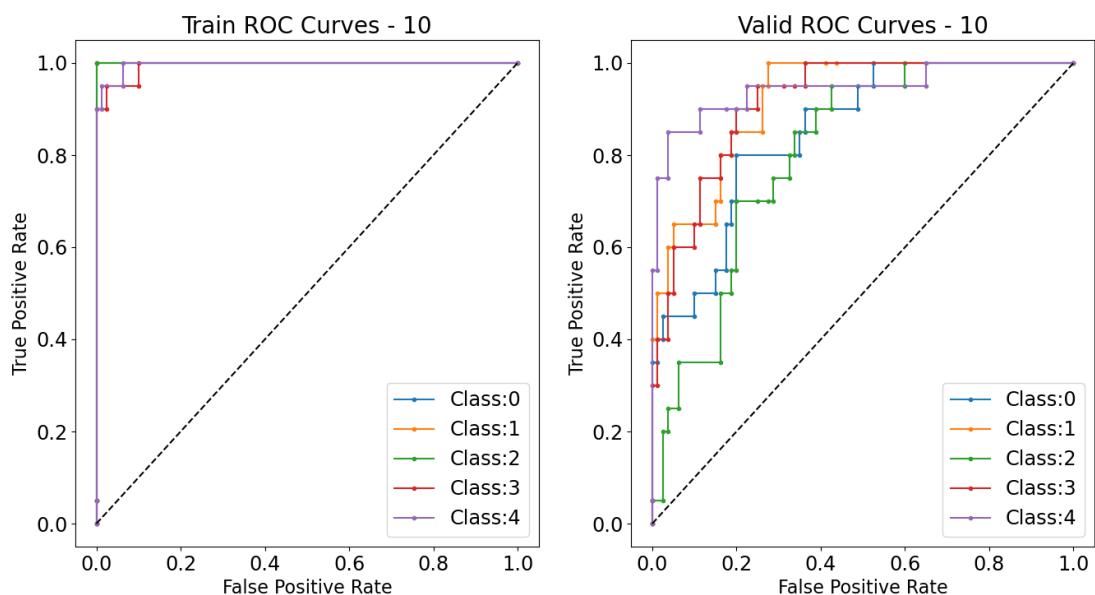
### Confusion Matrix

**AUC****AUC Histogram**

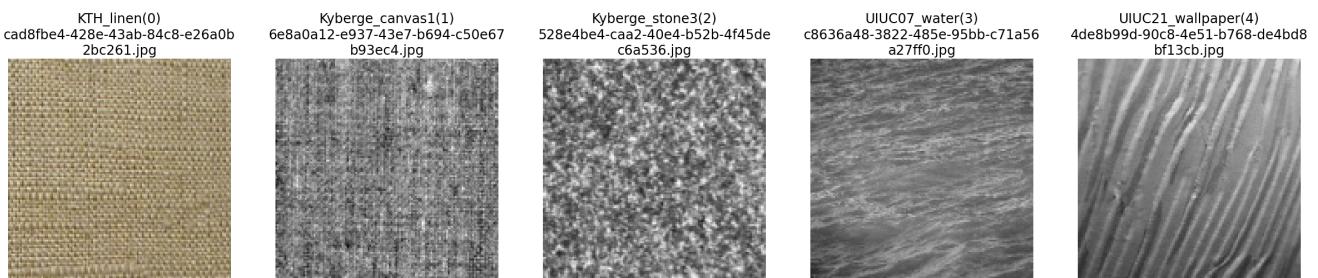
## AUC Histogram - 10



## ROC Curves

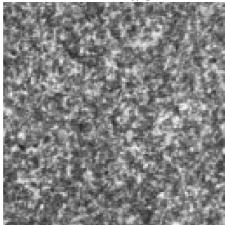


## Sample Images



## Wrongly Classified Images

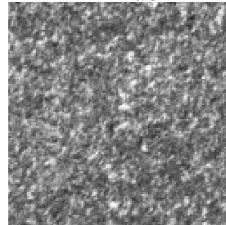
Orig lbl : Kyberge\_stone3(2)  
Pred lbl : Kyberge\_canvas1(1)  
7038d893-5fbf-4785-83aa-e511a5  
1eab4d.jpg



Orig lbl : UIUC21\_wallpaper(4)  
Pred lbl : UIUC07\_water(3)  
6af608ac-ad43-4e02-94ec-2b6f17  
a6ebfe.jpg



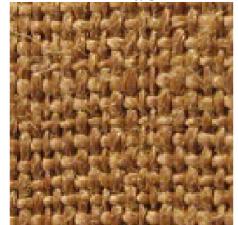
Orig lbl : Kyberge\_stone3(2)  
Pred lbl : Kyberge\_canvas1(1)  
7038d893-5fbf-4785-83aa-e511a5  
1eab4d.jpg



Orig lbl : UIUC07\_water(3)  
Pred lbl : Kyberge\_canvas1(1)  
7038d893-5fbf-4785-83aa-e511a5  
1eab4d.jpg



Orig lbl : KTH\_linen(0)  
Pred lbl : UIUC07\_water(3)  
6af608ac-ad43-4e02-94ec-2b6f17  
a6ebfe.jpg



# Super-Category 11

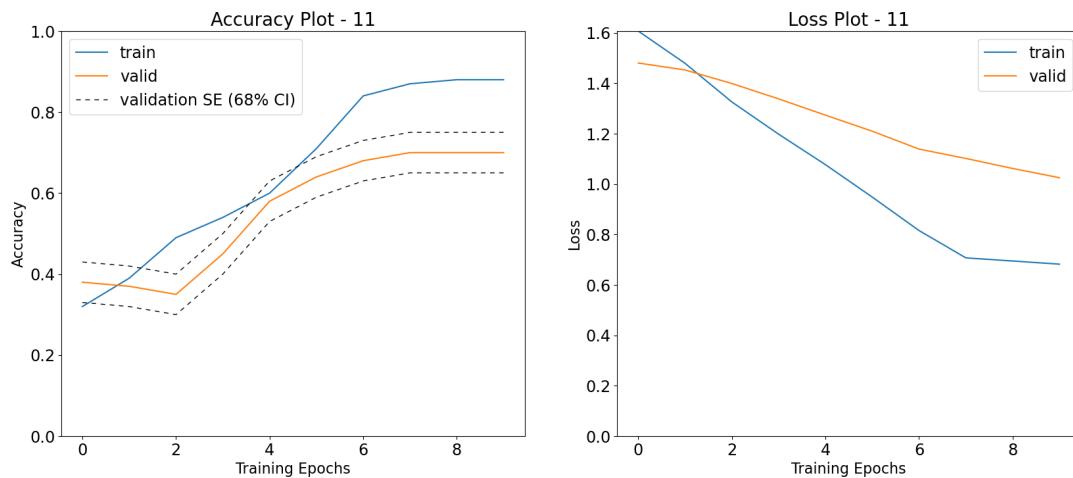
## Statistics

Total Images	200
Train Images	100
Valid Images	100
Training Time	0m 57s
Best Train Accuracy	0.88
Best Valid Accuracy	0.7
AUC	0.96
2*AUC-1	0.93
Standard Error	0.05

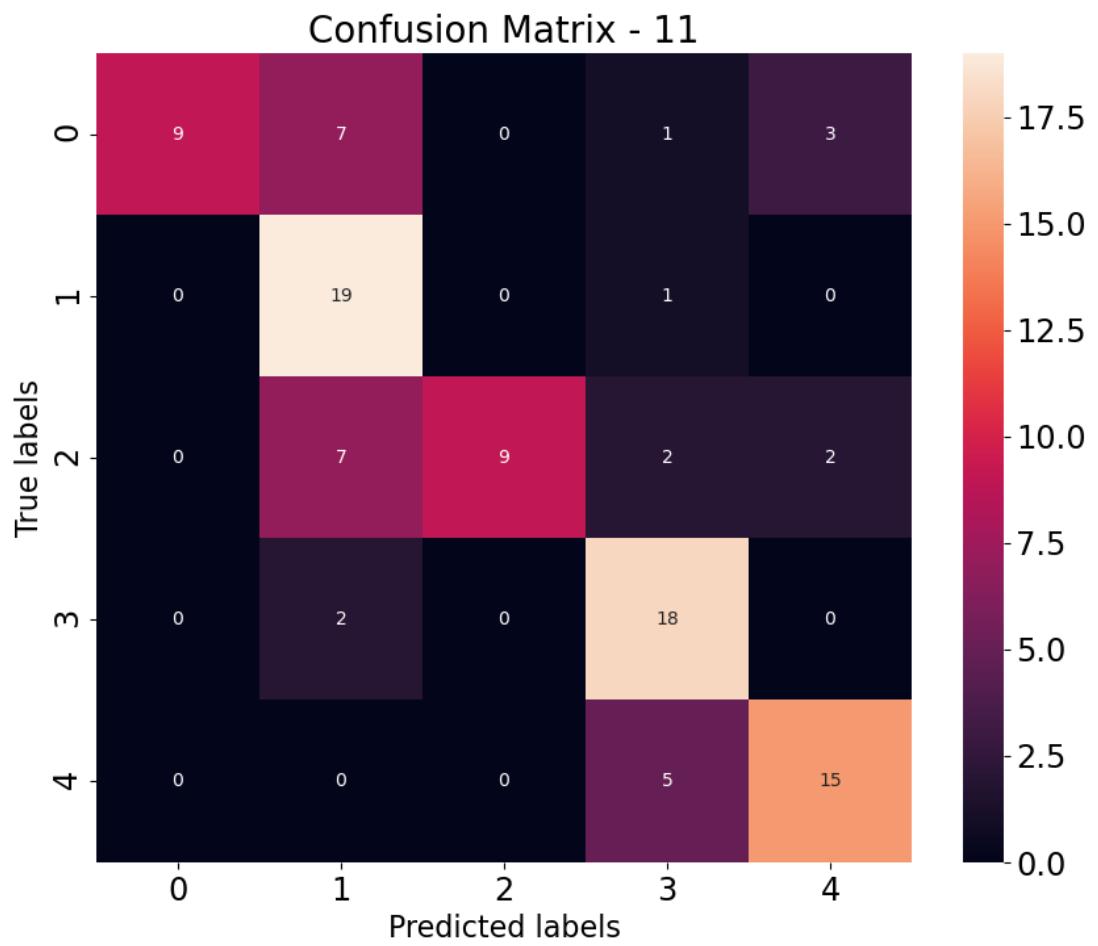
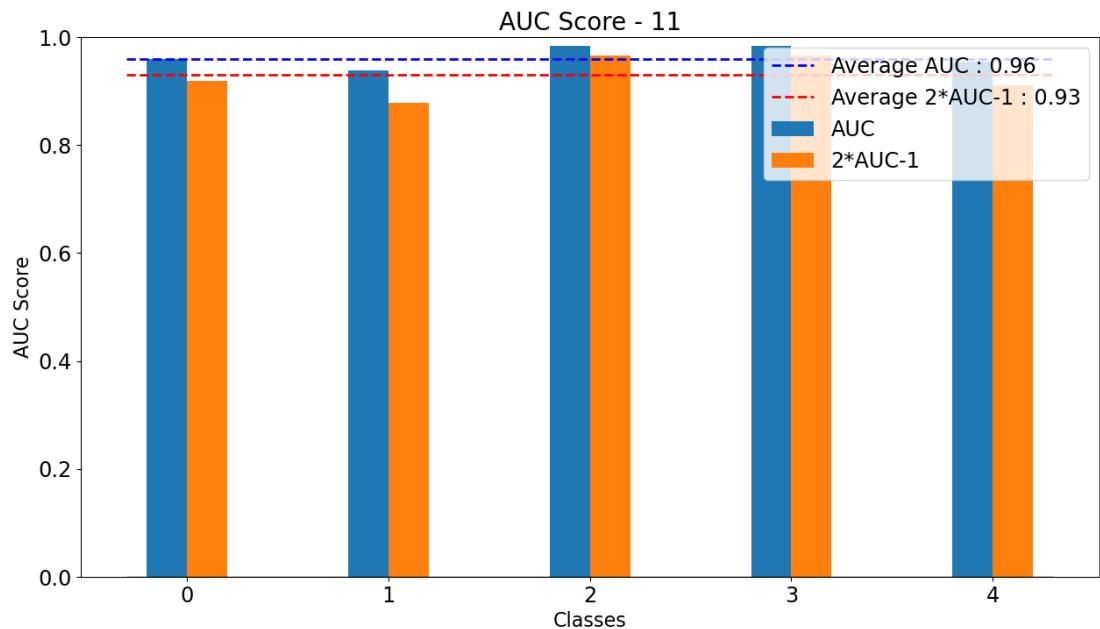
## Categories

Category #	Category Name
0	KTH_aluminium_foil
1	Kyberge_floor2
2	Kyberge_screen1
3	UIUC22_fur
4	UIUC24_corduroy

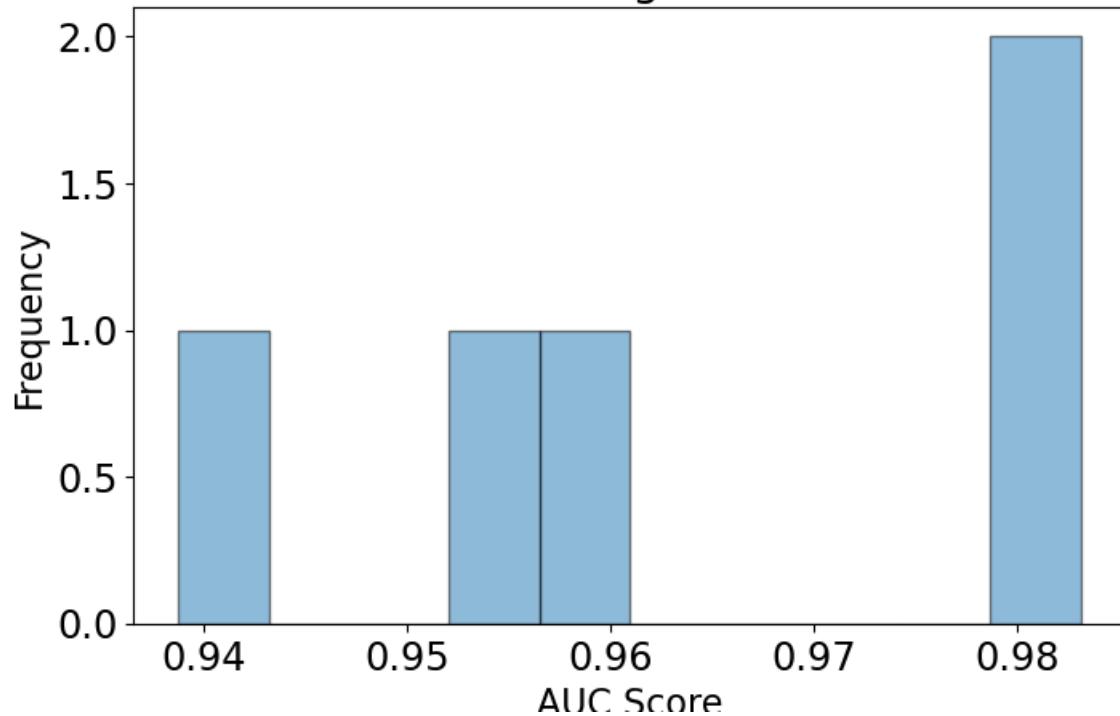
## Accuracy Loss Plot



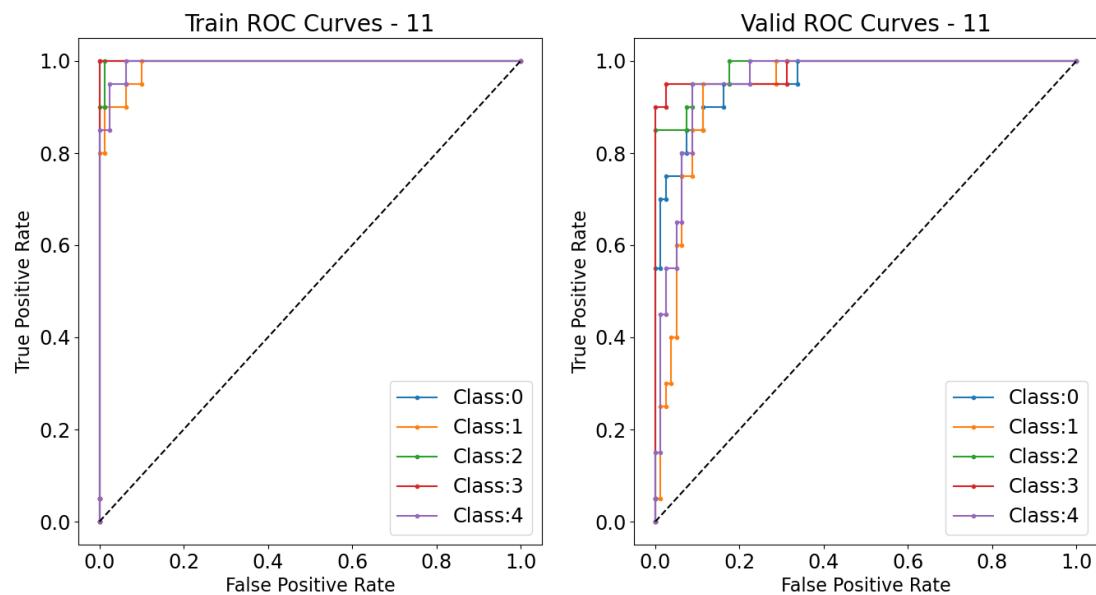
## Confusion Matrix

**AUC****AUC Histogram**

## AUC Histogram - 11

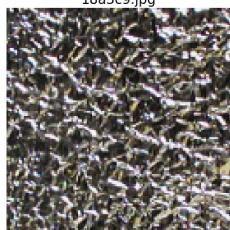


## ROC Curves

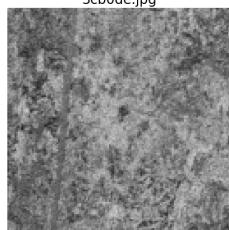


## Sample Images

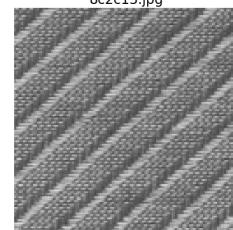
KTH\_aluminium\_foil(0)  
27beb764-931c-47f4-8666-75f7d6  
18a3c9.jpg



Kyberge\_floor2(1)  
152dc62f-df62-4b73-8dfe-d1acd9  
3cb0de.jpg



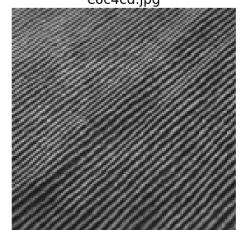
Kyberge\_screen1(2)  
682705de-d25c-40e3-b425-f93c54  
8c2c13.jpg



UIUC22\_fur(3)  
e4ebea71-7f27-4d5b-a077-a0130a  
21782c.jpg



UIUC24\_corduroy(4)  
a0831540-fad6-4f1b-99fc-2c5582  
e6c4cd.jpg



## Wrongly Classified Images

Orig lbl :  
KTH\_aluminium\_foil(0)  
Pred lbl : Kyberge\_floor2(1)  
e8e0d4dd-6538-406a-9863-d2d15a  
fff3b4.jpg



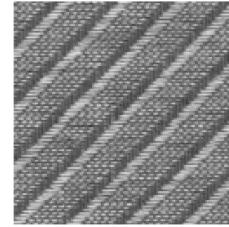
Orig lbl :  
KTH\_aluminium\_foil(0)  
Pred lbl : UIUC24\_corduroy(4)  
28ae90a9-7c40-4e25-9ab5-53426c  
591cle.jpg



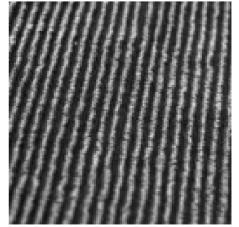
Orig lbl : UIUC22\_fur(3)  
Pred lbl : Kyberge\_floor2(1)  
e8e0d4dd-6538-406a-9863-d2d15a  
fff3b4.jpg



Orig lbl : Kyberge\_screen1(2)  
Pred lbl : Kyberge\_floor2(1)  
e8e0d4dd-6538-406a-9863-d2d15a  
fff3b4.jpg



Orig lbl : UIUC24\_corduroy(4)  
Pred lbl : UIUC22\_fur(3)  
36fd1b05-c370-4770-9b5d-a14bb9  
fb07ae.jpg



## Super-Category 12

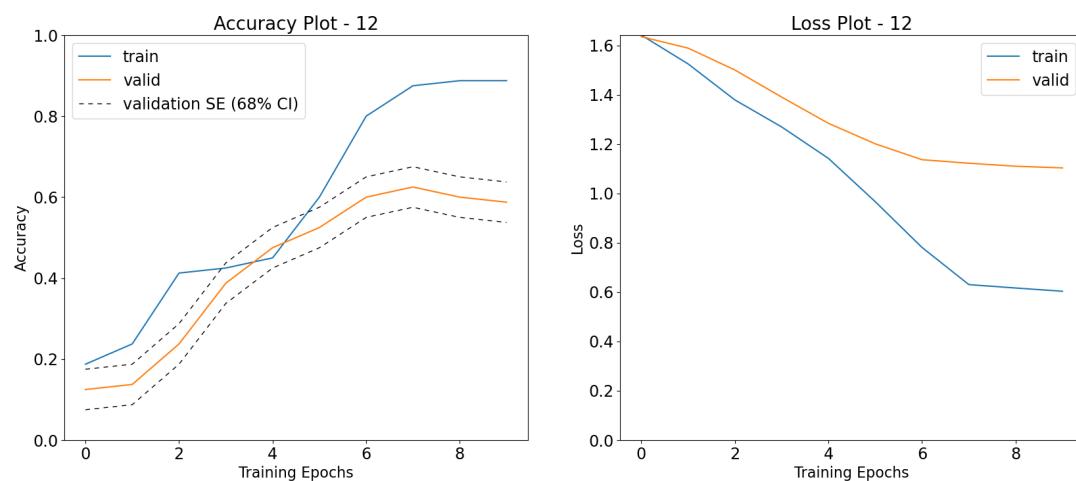
### Statistics

Total Images	160
Train Images	80
Valid Images	80
Training Time	0m 47s
Best Train Accuracy	0.89
Best Valid Accuracy	0.62
AUC	0.86
2*AUC-1	0.71
Standard Error	0.05

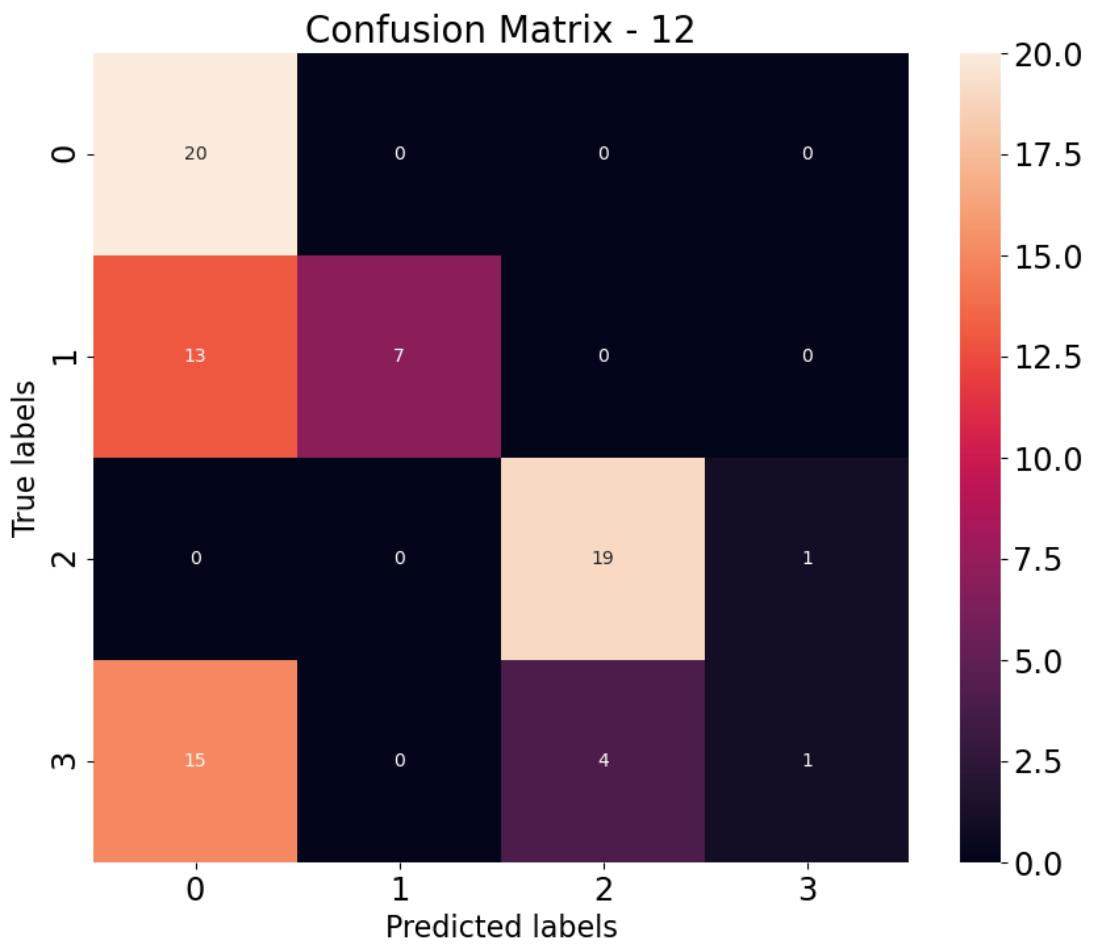
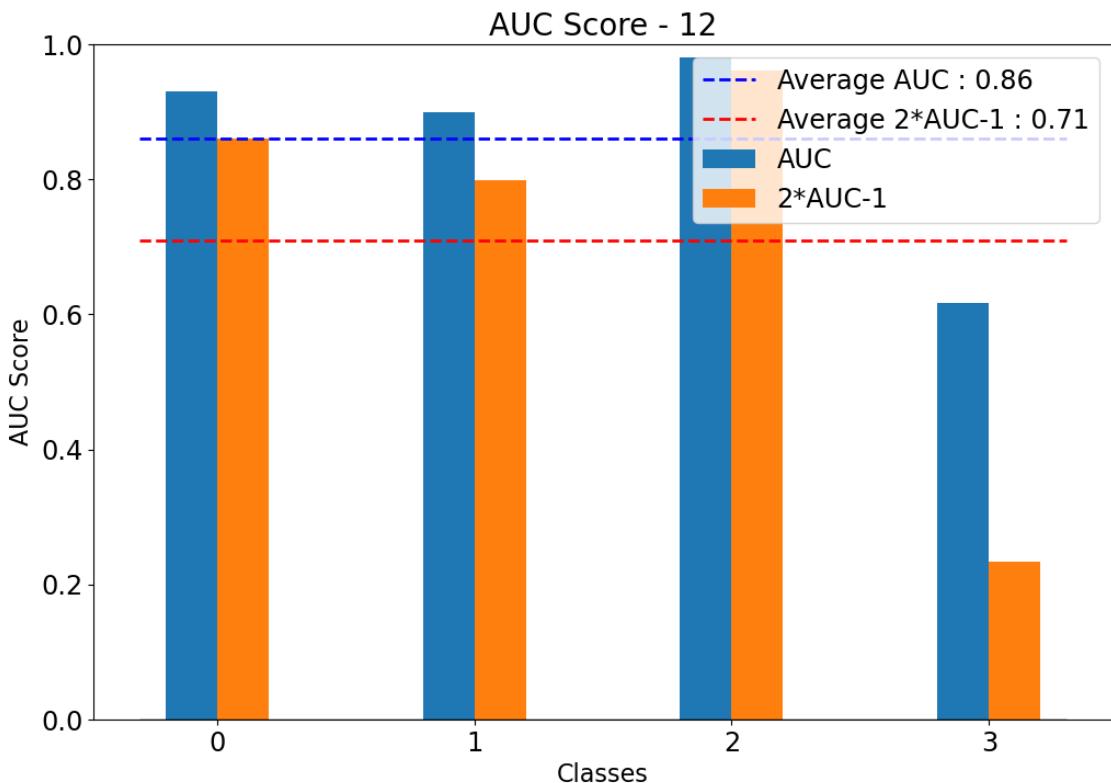
### Categories

Category #	Category Name
0	Kyberge_linseeds1
1	Kyberge_stoneslab1
2	UIUC05_wood2
3	UIUC18_carpet1

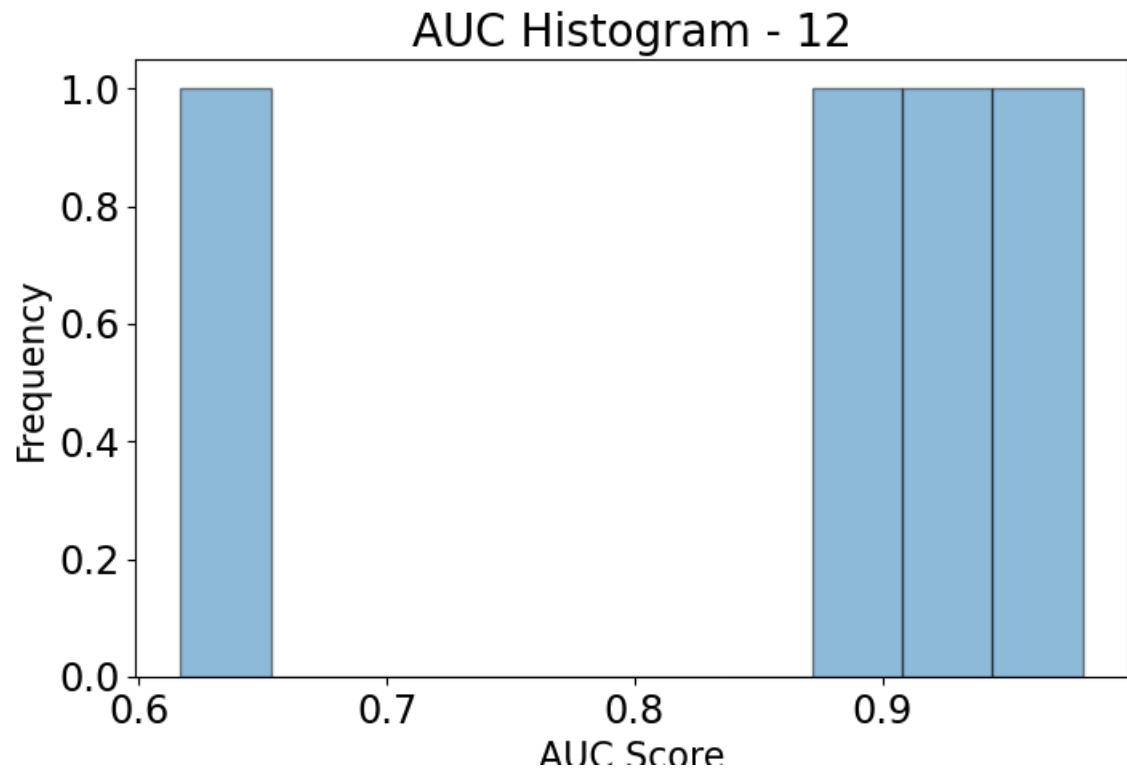
### Accuracy Loss Plot



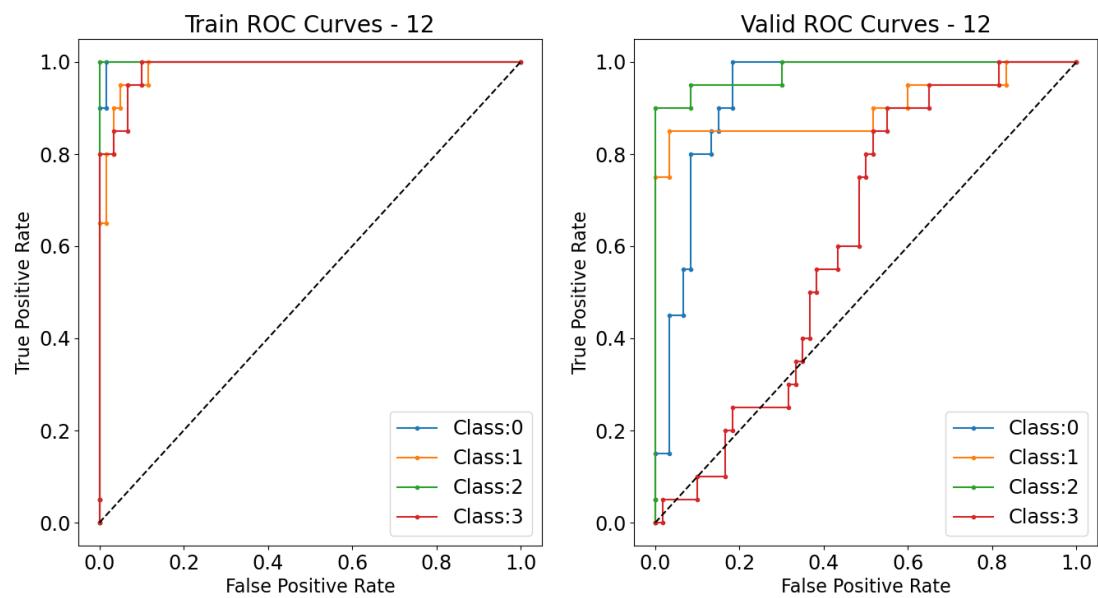
### Confusion Matrix

**AUC**

### AUC Histogram



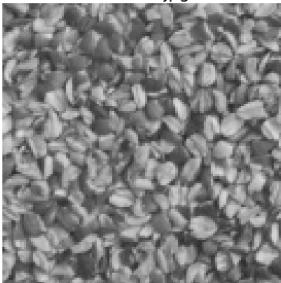
### ROC Curves



### Sample Images

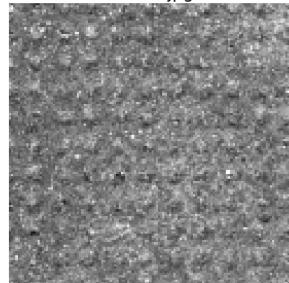
Kyberge\_linseeds1(0)

e99e71ef-54aa-4b63-a211-e298e0e1026d.jpg



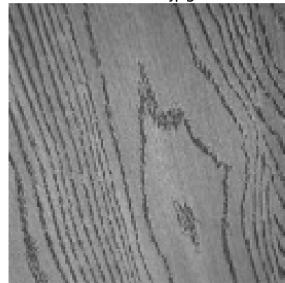
Kyberge\_stoneslab1(1)

238fbf56-78b5-4a7e-aaff-e5909f5efe2a.jpg



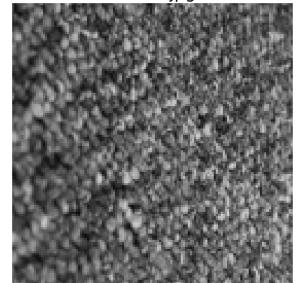
UIUC05\_wood2(2)

a0a3fc41-4132-44aa-927a-b606369a4e77.jpg



UIUC18\_carpet1(3)

e98e635a-d8fe-4a62-a78c-9c95c8c22e6f.jpg



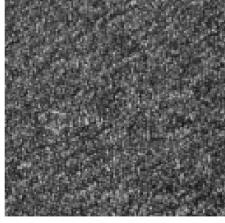
## Wrongly Classified Images

Orig lbl : UIUC18\_carpet1(3)

Pred lbl :

Kyberge\_linseeds1(0)

2447030f-e6ba-4743-8f4f-7a844e9de3ad.jpg

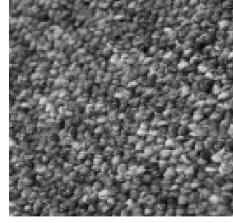


Orig lbl : UIUC18\_carpet1(3)

Pred lbl :

Kyberge\_linseeds1(0)

2447030f-e6ba-4743-8f4f-7a844e9de3ad.jpg



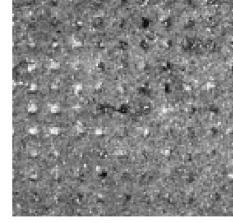
Orig lbl :

Kyberge\_stoneslab1(1)

Pred lbl :

Kyberge\_linseeds1(0)

2447030f-e6ba-4743-8f4f-7a844e9de3ad.jpg

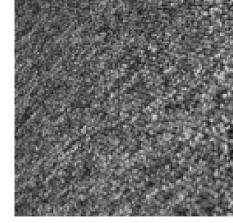


Orig lbl : UIUC18\_carpet1(3)

Pred lbl :

UIUC05\_wood2(2)

d8d8f54f-7df1-4a51-93eb-5eb873227775.jpg



Orig lbl : UIUC18\_carpet1(3)

Pred lbl :

Kyberge\_linseeds1(0)

2447030f-e6ba-4743-8f4f-7a844e9de3ad.jpg

