

Criado por:
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devs@machiron.com.br

Experiment train_500ep_v3 (22/10/2023 11:57:57)

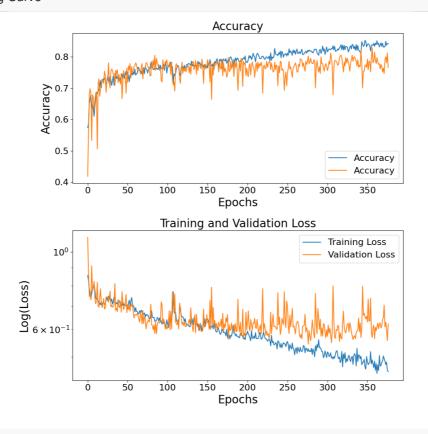
Global Summary

Value	Name
fitzpatrick_ddi_pad_v1	Dataset
train_500ep_v3	Execution Name
22/10/2023 11:57:57	Date
5 hours	Total Train Time
377	Train Epochs

Subsets Summary

Subset	Image Count	Imbalance Ratio	Accuracy	Macro Avg AUC	Macro Avg F1	Macro Avg YJ
Train	1642	1.41	0.84	0.91	0.84	0.68
Validation	411	1.40	0.80	0.88	0.80	0.62
Test	514	1.41	0.78	0.83	0.78	0.56

Learning Curve



Train configuration

Name	
data	/home/luma/Documents/workspace/data/derm/experimentos/fitzpatrick_ddi_pad_v1/spli
output	/home/luma/Documents/workspace/data/derm/experimentos/fitzpatrick_ddi_pad_v1/train_
test_data	/home/luma/Documents/workspace/data/derm/experimentos/fitzpatrick_ddi_pad_v1/sp
val_split	
epoch	
batch	
image_height	
image_width	
image_crop_min_height	
image_crop_max_height	
image_crop_min_width	
image_crop_max_width	
seed	
early_stop	
MODEL_TYPE	
CONV_LAYERS	
CONV_INIT	
DENSE_SIZE	
CONV_KERN	
OPTIMIZER	
LEARN_RATE	
FLIP_H	
FLIP_V	
ROTATE	
ZOOM	
BATCH_NORM	
DROPOUT	
L1	
L2	
val_data	
config_file	/home/luma/Documents/workspace/data/derm/experimentos/fitzpatrick_ddi_pad_v1/train_example_con
image_side	
label_type	
k	
tune_set	
image_folder	

Name	
continue	
N_GPUS	
IMG_CHANNELS	
TRAIN_PARAMS	
NON_TRAIN_PARAMS	
MAX_MODEL_PARAMS	50
email	

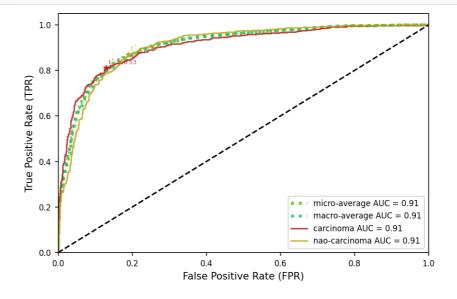
System Details

Name Value	Name
S-Version Ubuntu 22.04.3 LTS	OS-Version
Kernel Linux 5.14.0-1058-oem	Kernel
CPU 12th Gen Intel(R) Core(TM) i5-12500H - Qtd: 0-15	CPU
RAM 78GB	RAM
GPU NVIDIA GeForce RTX 3050 Laptop GPU - 4.0 GB	GPU

Train Metrics

Class	Acc	#Label	#Pred	Recall	Precision	F1	AUC_ROC	Opt_t	TPR	FPR	YoudJ
carcinoma	0.84	681	697	0.82	0.80	0.81	0.91	0.53	0.81	0.13	0.68
nao-carcinoma	0.84	961	945	0.86	0.87	0.86	0.91	0.47	0.87	0.19	0.68
Macro_Avg	0.84	1642	1642	0.84	0.84	0.84	0.91	NA	0.84	0.16	0.68
Weighted_Avg	0.84	1642	1642	0.84	0.84	0.84	0.91	NA	0.85	0.17	0.68

Train ROC Curve



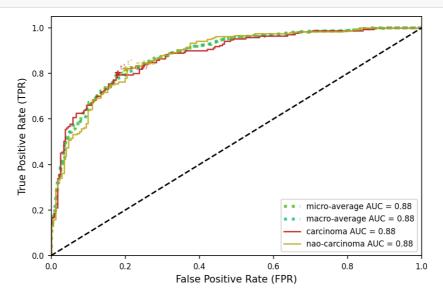
Train Confusion Matrix by Percentage



Validation Metrics

Class	Acc	#Label	#Pred	Recall	Precision	F1	AUC_ROC	Opt_t	TPR	FPR	YoudJ
carcinoma	0.8	171	174	0.77	0.76	0.77	0.88	0.47	0.80	0.18	0.62
nao-carcinoma	0.8	240	237	0.82	0.84	0.83	0.88	0.53	0.82	0.20	0.62
Macro_Avg	0.8	411	411	0.80	0.80	0.80	0.88	NA	0.81	0.19	0.62
Weighted_Avg	0.8	411	411	0.80	0.80	0.80	0.88	NA	0.81	0.19	0.62

Validation ROC Curve



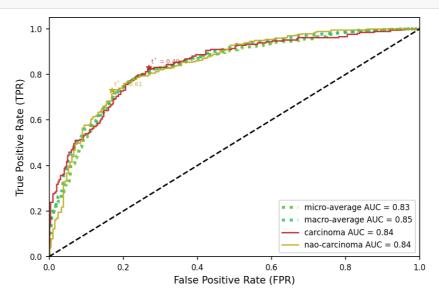
Validation Confusion Matrix by Percentage



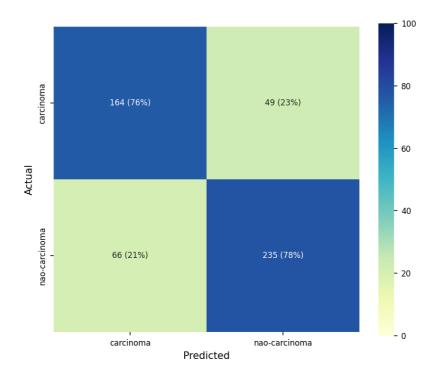
Test Metrics

Class	Acc	#Label	#Pred	Recall	Precision	F1	AUC_ROC	Opt_t	TPR	FPR	YoudJ
carcinoma	0.78	213	230	0.77	0.71	0.74	0.84	0.4	0.83	0.27	0.56
nao-carcinoma	0.78	301	284	0.78	0.83	0.80	0.84	0.61	0.73	0.17	0.56
Macro_Avg	0.78	514	514	0.78	0.77	0.77	0.85	NA	0.78	0.22	0.56
Weighted_Avg	0.78	514	514	0.78	0.78	0.78	0.83	NA	0.77	0.21	0.56

Test ROC Curve

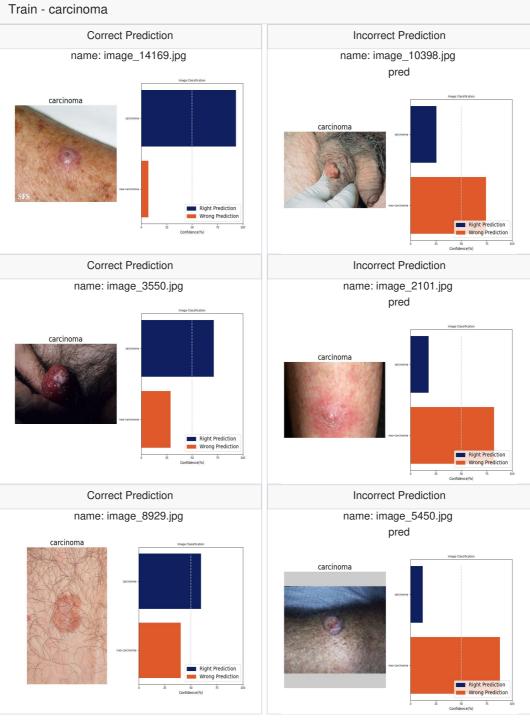


Test Confusion Matrix by Percentage

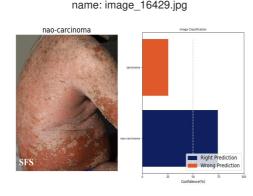


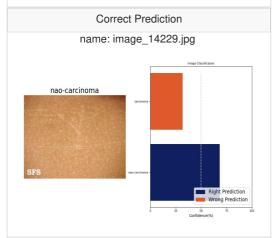
Example Images

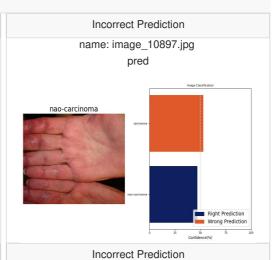


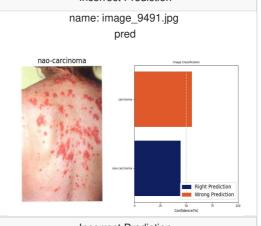


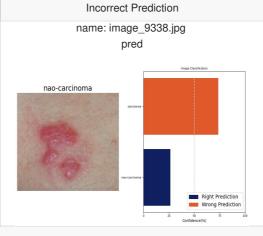
Correct Prediction name: image_4852.jpg nao-carcinoma Correct Prediction nao-carcinoma Correct Prediction name: image_16429.jpg nao-carcinoma



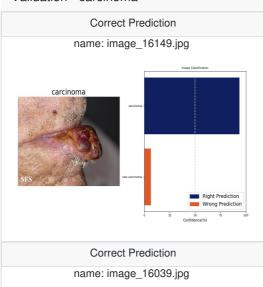


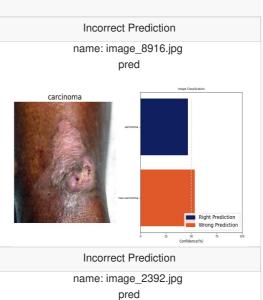


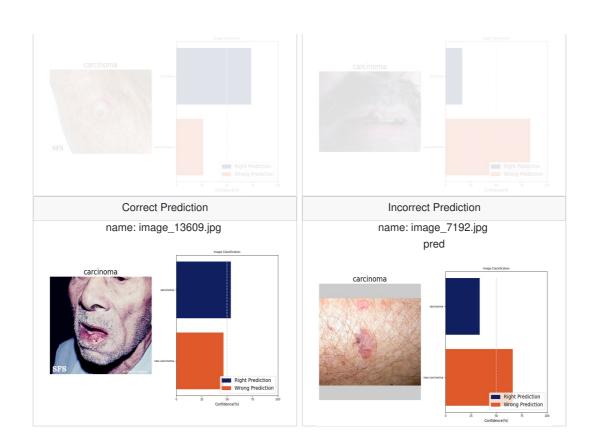




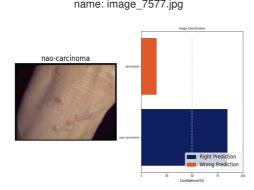
Validation - carcinoma

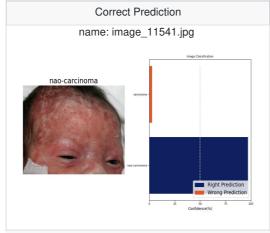


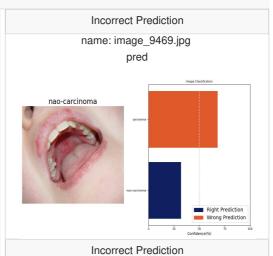


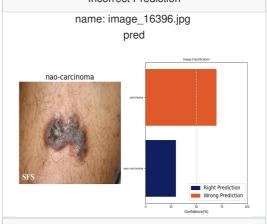


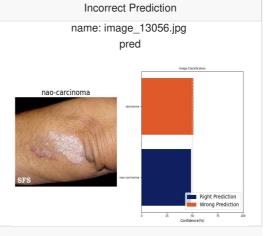
Validation - nao-carcinoma Correct Prediction name: image_3146.jpg nao-carcinoma Correct Prediction rame: image_7577.jpg











Test - carcinoma

