

# RAV Chest X-ray Demo

## Run Settings

Page

- Inference
- Model Metrics

Config Preset

POC (Kaggle Binary)



Config Path

/Users/wax/Documents/Programm

Checkpoint Path (optional) (?)

Show all class probabilities

Metrics Split

test



Training and Eval Parameters

field	value
dropout	0.2
image_size	320
batch_size	16
epochs	12
lr	0.0001
weight_decay	1e-05
num_workers	4
pin_memory	True
amp	True
default_threshold	0.5

Checkpoint Files

path	exists	size_mb	modified
/Users/wax/Documents/Programming/RAV/outputs/poc/chest_pneumonia_binary/checkpoint-1	<input checked="" type="checkbox"/>	80.37	2026-02-26 15:20
/Users/wax/Documents/Programming/RAV/outputs/poc/chest_pneumonia_binary/checkpoint-2	<input checked="" type="checkbox"/>	80.37	2026-02-26 15:20

Selected Checkpoint Metadata

Checkpoint Epoch

1

Checkpoint Class Count

2

Checkpoint Val AUROC

1.0000

Checkpoint Val F1

1.0000

Checkpoint Val Brier

0.0061

class_name	threshold
Pneumonia	0.5
No Finding	0.5

## Evaluation Metrics (test)

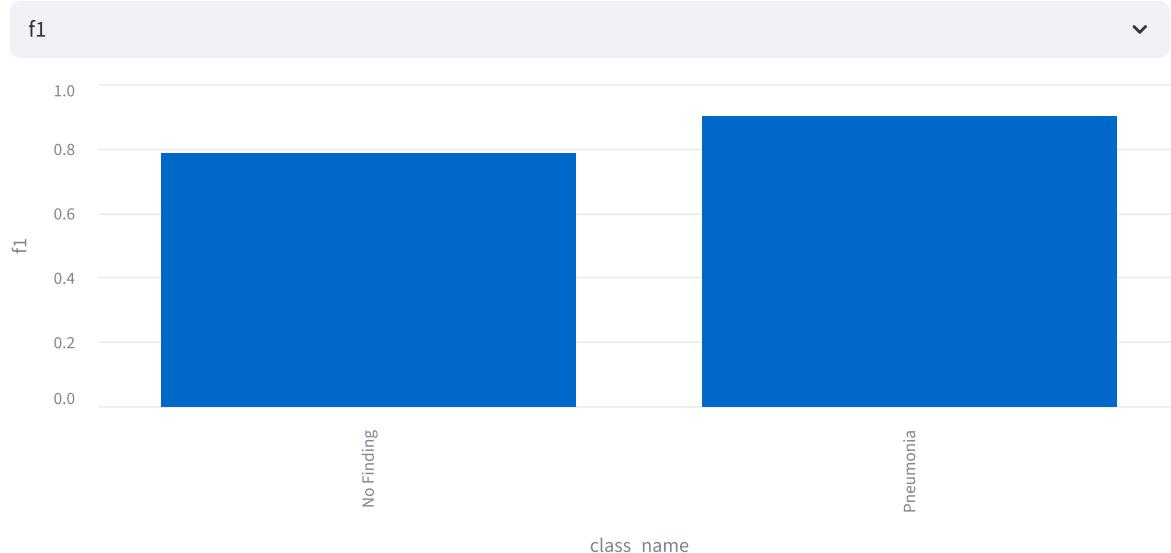
Loss	Macro AUROC	Macro F1	Macro Brier
<b>0.3877</b>	<b>0.9677</b>	<b>0.8435</b>	<b>0.1071</b>

Metrics file: /Users/wax/Documents/Programming/RAV/outputs/poc/chest\_pneumonia\_binary/metrics/test\_metrics.json

### Per-Class Metrics

class_name	auroc	f1	brier	threshold	prevalence	predicted_positive_rate
Pneumonia	0.9671	0.9015	0.1075	0.5	0.625	0.758
No Finding	0.9682	0.7855	0.1066	0.5	0.375	0.2452

### Per-class chart metric

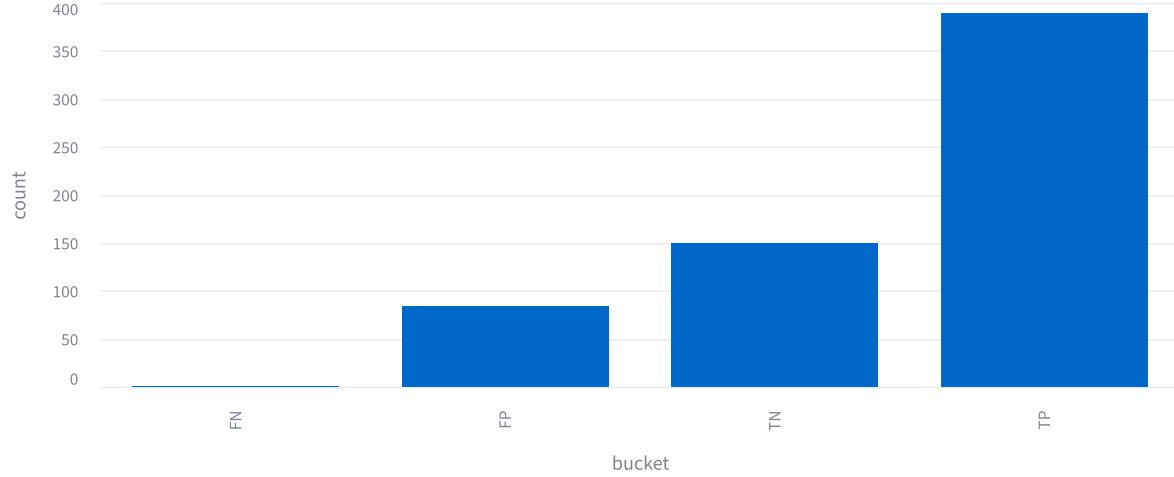


### Confusion Breakdown

class_name	tp	tn	fp	fn	support_positive	support_negative	threshold	sensitivity	specificity	precision
Pneumonia	389	150	84	1	390	234	0.5	0.9974	0.641	0.8224
No Finding	152	389	1	82	234	390	0.5	0.6496	0.9974	0.9935

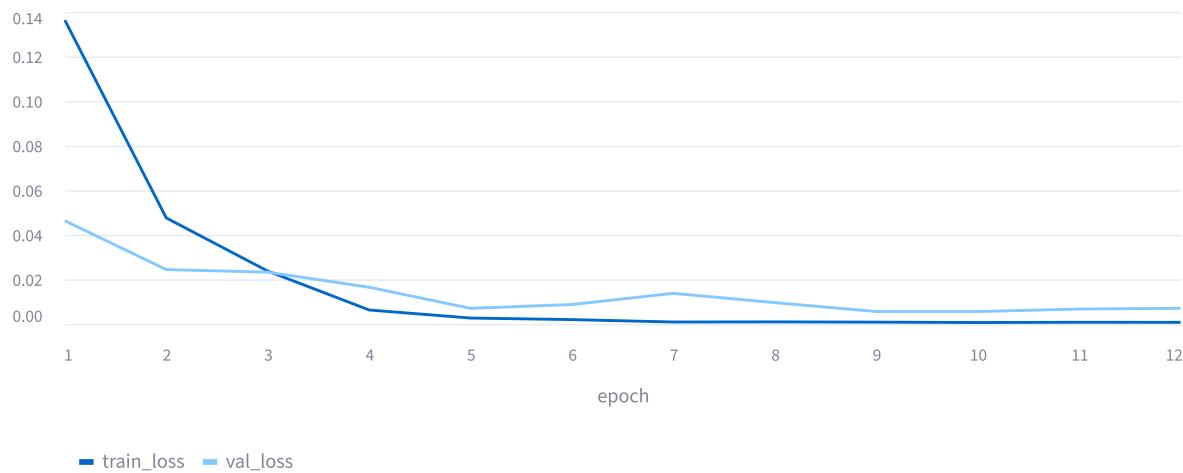
### Class for 2x2 confusion view

		Predicted Negative	Predicted Positive
Actual Negative			150
Actual Positive			1
			389



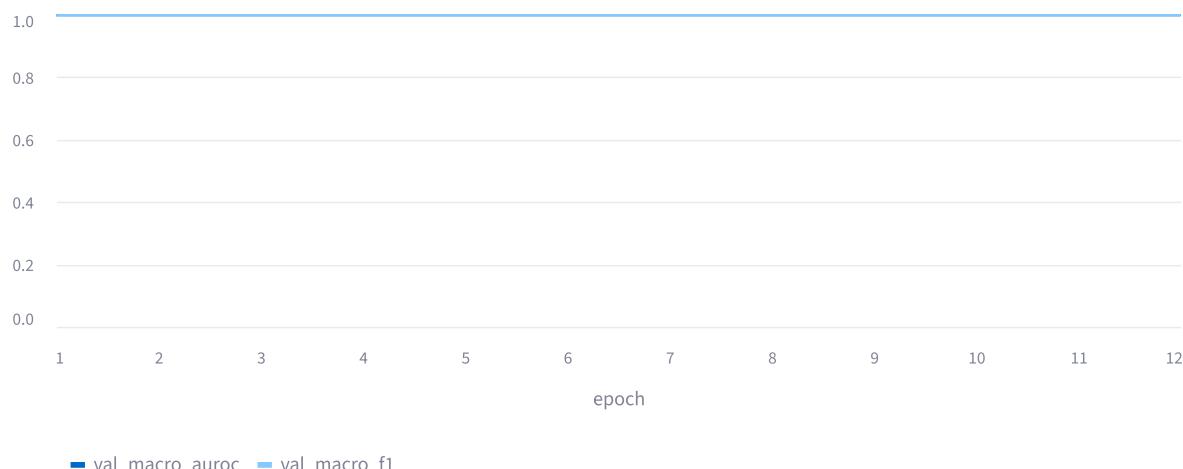
## Training History

Loss Curves



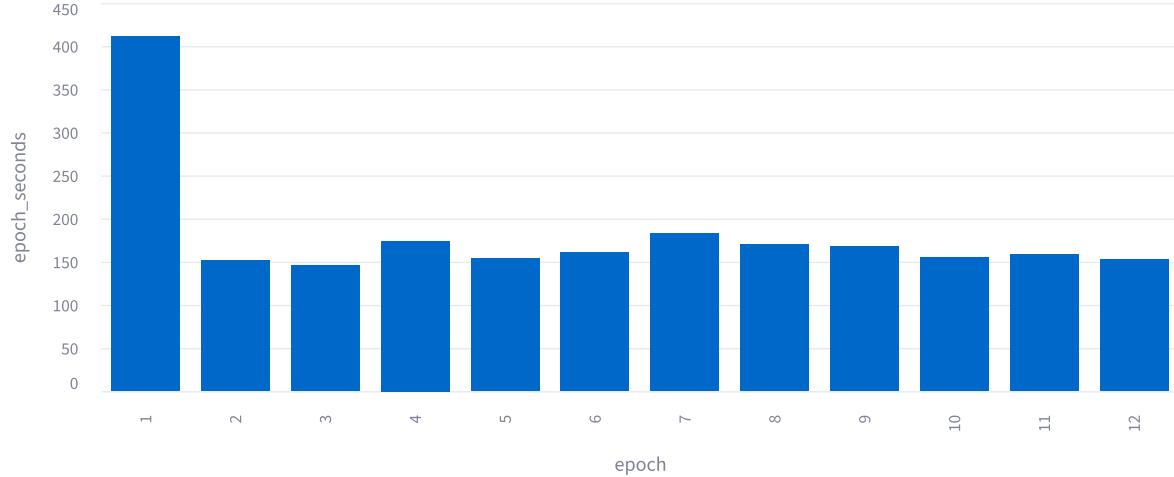
— train\_loss — val\_loss

Validation Curves



— val\_macro\_auroc — val\_macro\_f1

Epoch Duration



History file: /Users/wax/Documents/Programming/RAV/outputs/poc/chest\_pneumonia\_binary/metrics/history.jsonl

epoch	train_loss	val_loss	val_macro_auroc	val_macro_f1	lr	epoch_seconds	elapsed_seconds	eta_seconds
1	0.1363	0.0463		1	1	0.0001	410.5981	410.5982
2	0.0476	0.0244		1	1	0.00009	151.0078	562.6108
3	0.0237	0.0232		1	1	0.00009	145.3054	708.467
4	0.0063	0.0165		1	1	0.00008	174.0275	883.0116
5	0.0026	0.007		1	1	0.00006	153.3406	1037.0828
6	0.0019	0.0087		1	1	0.00005	160.4382	1198.0154
7	0.0009	0.0137		1	1	0.00004	182.2769	1380.8268
8	0.0009	0.0096		1	1	0.00003	170.2175	1552.1795
9	0.0008	0.0056		1	1	0.00001	168.0059	1721.0464
10	0.0006	0.0056		1	1	0.000007	154.6993	1876.3199