

Run Settings

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 Model Metrics

Config Preset

POC (Kaggle Binary)

▼

Config Path

/Users/wax/Documents/Programm

Checkpoint Path (optional)

☒ Show all class probabilities

Metrics Split

test

▼

RAV Chest X-ray Demo

Research prototype only. Not for clinical use.

Model Details

Classes	Backbone	Image Size	Configured Epochs
2	densenet...	320	12

Config and Data

```
config=/Users/wax/Documents/Programming/RAV/configs/poc/chest_pneumonia_binary.yaml
project=rav-chest-pneumonia-binary
output_dir=/Users/wax/Documents/Programming/RAV/outputs/poc/chest_pneumonia_binary
train_csv=data/poc/chest_xray_pneumonia/processed/chest_pneumonia_train.csv
val_csv=data/poc/chest_xray_pneumonia/processed/chest_pneumonia_val.csv
test_csv=data/poc/chest_xray_pneumonia/processed/chest_pneumonia_test.csv
```

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/checkp	<input checked="" type="checkbox"/>	80.37	2026-02-26 15:2
/Users/wax/Documents/Programming/RAV/outputs/poc/chest_pneumonia_binary/checkp	<input checked="" type="checkbox"/>	80.37	2026-02-26 15:5

Selected Checkpoint Metadata

Checkpoint Epoch	Checkpoint Class Count	
1	2	
Checkpoint Val AUROC	Checkpoint Val F1	Checkpoint Val Brier
1.0000	1.0000	0.0061

class_name	threshold
Pneumonia	0.5
No Finding	0.5

Evaluation Metrics (test)

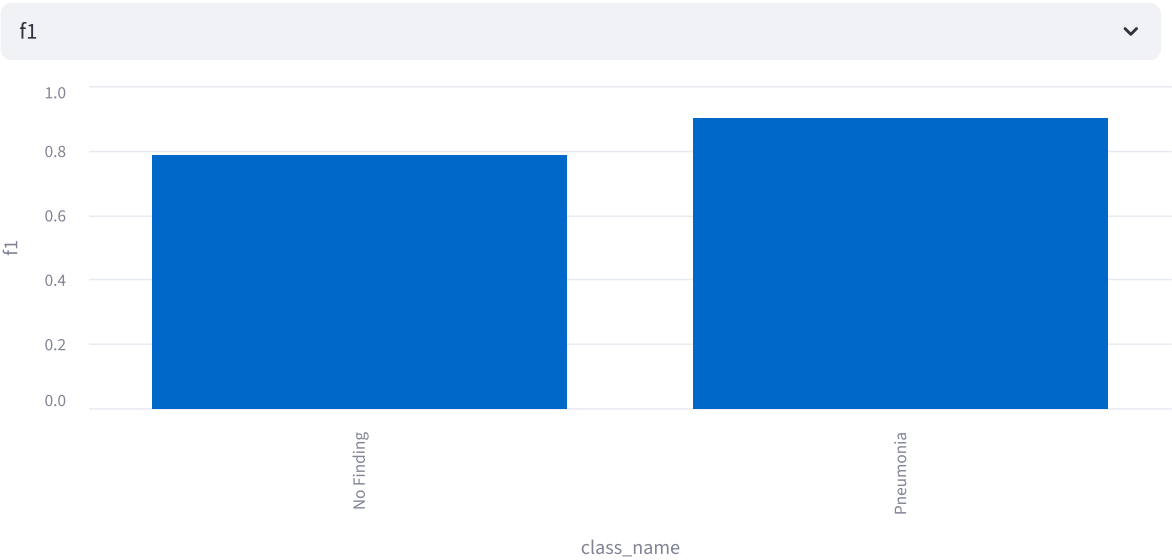
Loss	Macro AUROC	Macro F1	Macro Brier
0.3877	0.9677	0.8435	0.1071

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



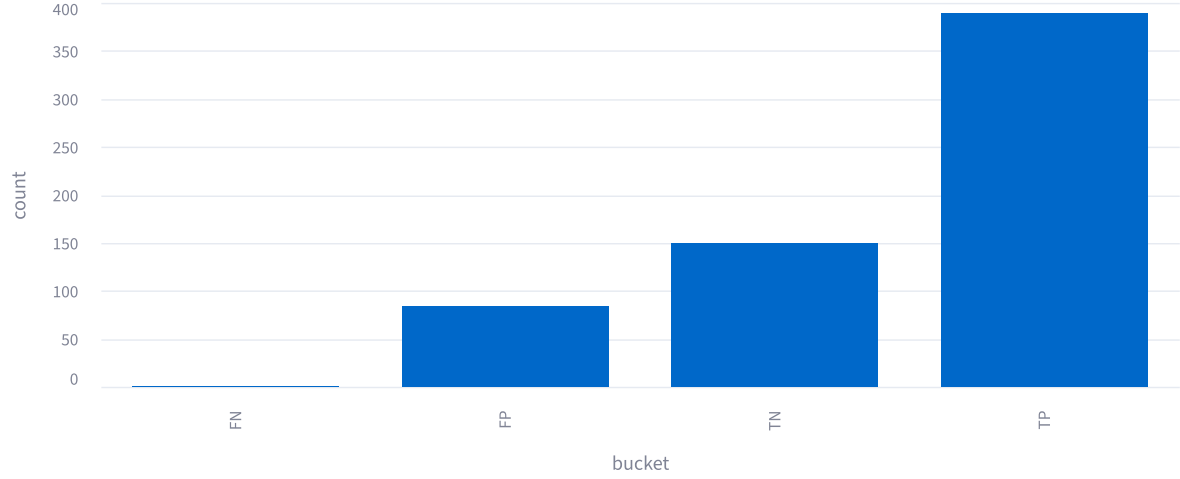
Confusion Breakdown

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

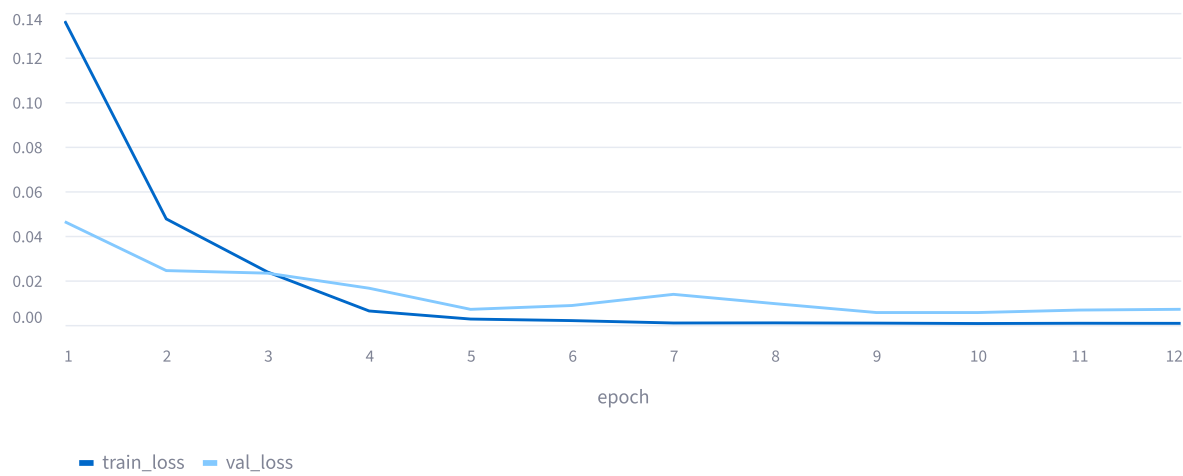
Pneumonia

	Predicted Negative	Predicted Positive
Actual Negative	150	84
Actual Positive	1	389

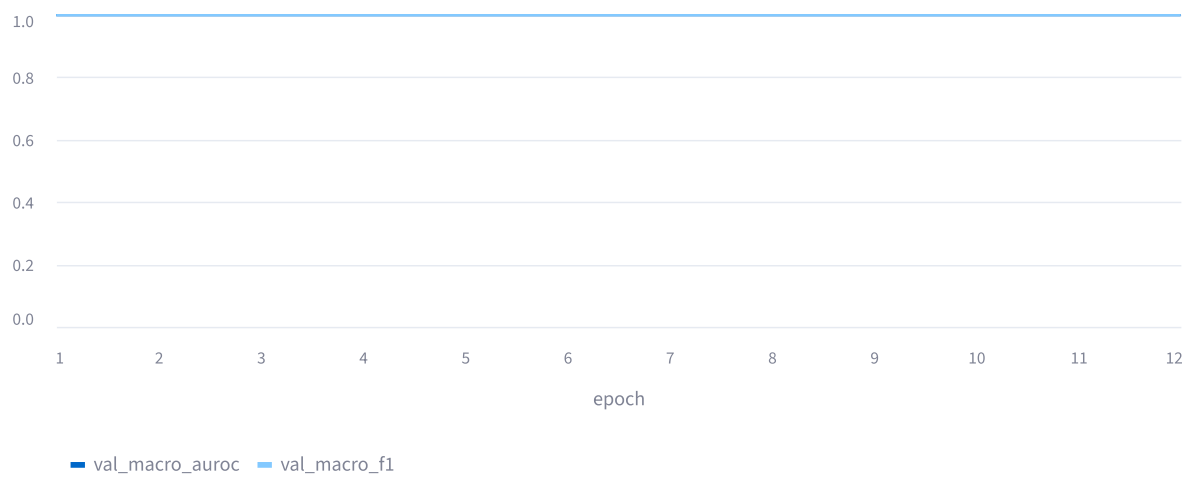


Training History

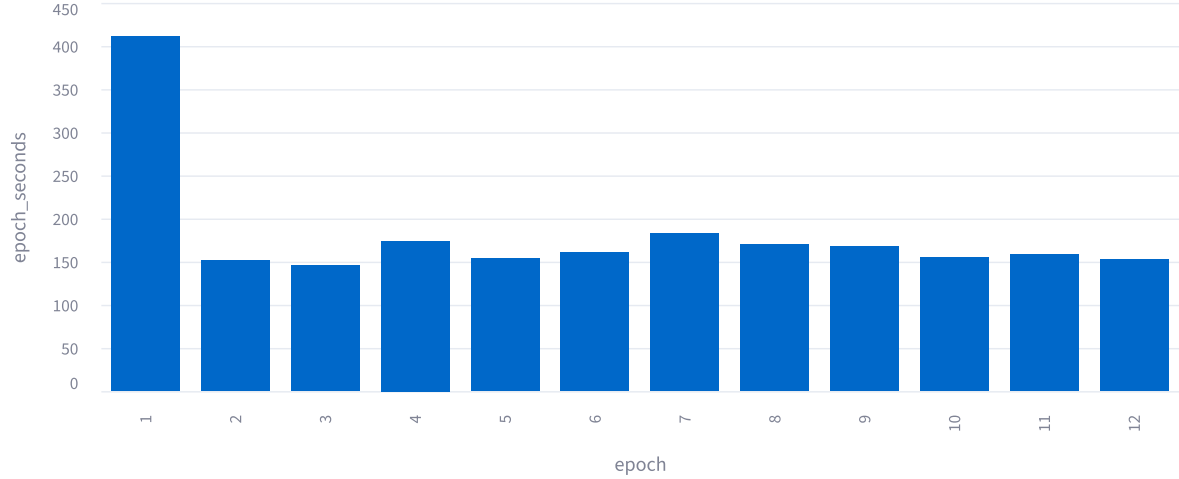
Loss Curves



Validation Curves



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	4516.5806
2	0.0476	0.0244	1	1	0.00009	151.0078	562.6108	2813.0542
3	0.0237	0.0232	1	1	0.00009	145.3054	708.467	2125.401
4	0.0063	0.0165	1	1	0.00008	174.0275	883.0116	1766.0233
5	0.0026	0.007	1	1	0.00006	153.3406	1037.0828	1451.9159
6	0.0019	0.0087	1	1	0.00005	160.4382	1198.0154	1198.0154
7	0.0009	0.0137	1	1	0.00004	182.2769	1380.8268	986.3048
8	0.0009	0.0096	1	1	0.00003	170.2175	1552.1795	776.0897
9	0.0008	0.0056	1	1	0.00001	168.0059	1721.0464	573.6821
10	0.0006	0.0056	1	1	0.000007	154.6993	1876.3199	375.264