

Saved Transformer Analysis

This notebook contains synthetic saved outputs for publication testing. It does not require execution.

```
summary = load_validation_run()
```

```
Loaded 480 synthetic validation examples across 12 checkpoints.  
No external dataset was accessed.
```

```
checkpoint_frame
```

Table 1: Synthetic transformer checkpoint comparison (part 1 of 3; columns 2-7, key column repeated)

Checkpoint	Loss	Accuracy	Precision	Recall	F1	Latency ms
Base	0.82	71%	70%	69%	69%	44
Epoch 4	0.54	79%	78%	77%	77%	39
Epoch 8	0.39	84%	84%	82%	83%	34
Epoch 12	0.31	87%	87%	86%	86%	31

Table 2: Synthetic transformer checkpoint comparison (part 2 of 3; columns 8-13, key column repeated)

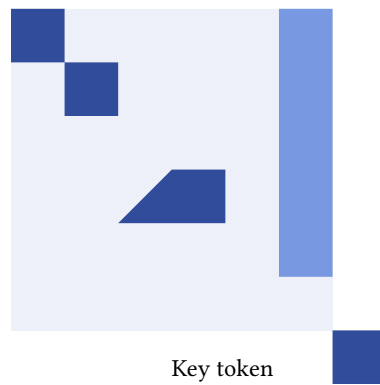
Checkpoint	Memory MB	Tokens/s	Parameters M	Energy Wh	Drift	Calibration
Base	920	1180	42	8.4	0.12	0.18
Epoch 4	910	1320	42	7.8	0.09	0.13
Epoch 8	884	1460	42	7.1	0.06	0.09
Epoch 12	860	1580	42	6.6	0.04	0.06

Table 3: Synthetic transformer checkpoint comparison (part 3 of 3; columns 14-14, key column repeated)

Checkpoint	Status
Base	Review
Epoch 4	Keep
Epoch 8	Keep
Epoch 12	Selected

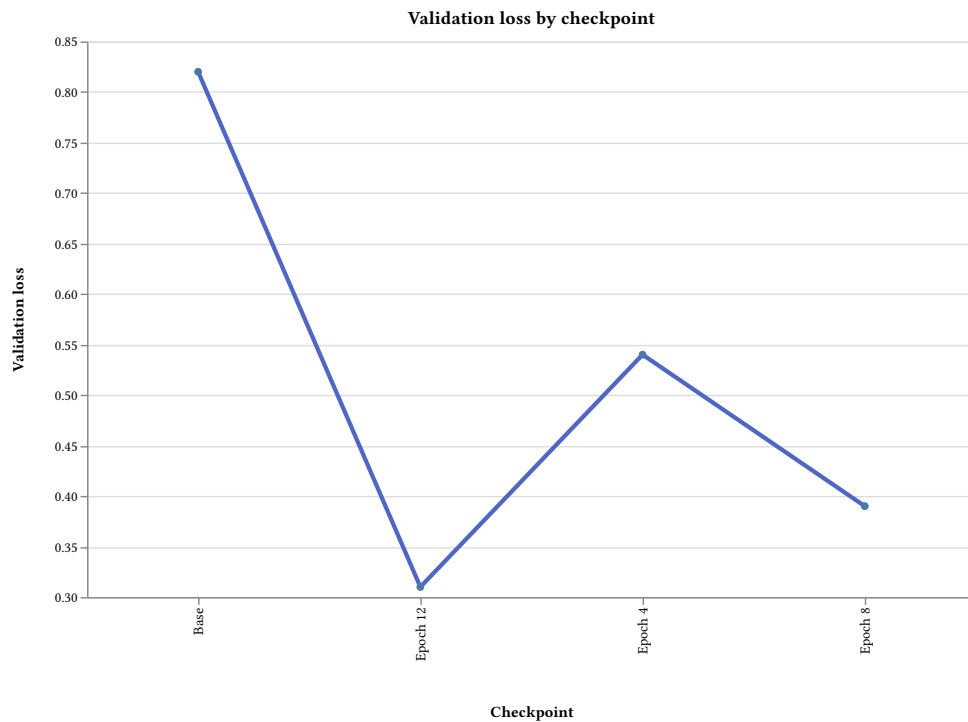
```
display(attention_map)
```

Synthetic attention map



Synthetic attention map saved as an SVG notebook output

```
plot_checkpoint_loss(checkpoint_frame)
```



Validation loss from the saved checkpoint summary

Interpretation

The final saved checkpoint has the lowest synthetic loss. These values demonstrate publishing behavior and are not a scientific claim.