

AI Models Learn Better When Data Is Truncated

The key to sovereign AI isn't more data — it's smarter data.

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Orders of magnitude

Speedup vs. EM

The new method achieves dramatically faster training than traditional expectation maximization on survival analysis datasets.

This efficiency gain comes not from more compute, but from a mathematically sound handling of outcome-dependent truncation — a common real-world flaw in training data where only certain outcomes appear in the dataset. For self-hosted AI teams, this means you can train more accurate models on incomplete, real-world data without waiting days for convergence.



01

Truncation Is a Feature, Not a Bug

For teams running local LLMs or private RAG systems, this means you don't need perfect datasets to train high-accuracy models. You can use the data you have — even if it's biased toward extreme outcomes — and still achieve better performance than naive models.

02

The Hidden Cost of 'Complete' Data

For self-hosted AI practitioners, this is a warning: don't assume data completeness is always better. Overfitting to noisy or incomplete real-world data can trap your model in poor performance. The solution isn't more data — it's smarter training algorithms that account for how data was collected.



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Director, ALEX Companies

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george@alex.realestate · +1 713.918.9951



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