

AI Just Beat the Weather Odds

A new model doubles forecast accuracy for extreme events

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doubled

Forecasting Accuracy

The machine-learning model improved the baseline forecast performance over the two-to-six-week range.

This breakthrough marks the first time a model has consistently outperformed climatological averages in subseasonal forecasting—previously considered a 'predictability desert' where forecasts were no better than random chance. The improvement was achieved not by replacing existing models, but by using AI to correct their systematic errors.

Source: MIT News • Published October 14, 2026
<https://news.mit.edu/2026/researchers-improve-weather-forecasts-looking-two-six-weeks-out-1014>



01

AI Corrects Its Own Errors

It demonstrates that AI safety isn't just about preventing harm—it's about building systems that recognize and correct their own flaws, even when they're embedded in complex, non-transparent models. This is a blueprint for resilient AI governance: transparency through accountability, not just oversight.



02

Extreme Events Are Now Predictable

For AI governance, this proves that models can be both accurate and ethically robust—when designed with the right feedback mechanisms. The future of safety isn't just about risk avoidance; it's about building systems that learn from their failures to protect people when it matters most.

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Director, ALEX Companies

Associate Broker, Alexander Tiffany Southwest, LLC dba ALEX.realestate, et.al.

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george@alex.realestate · +1 713.918.9951



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