Memory forgetting mechanisims in LLMs - What if forgetting better, is botter han, making LLMs remember more? Right her every company is building AI models that can remember more (Longer conves, larger Context winds, millions of tokens) Deepseek did it backwass. They did a test where they took aloos words rendered as a imp and asked "how few bokens needed for Al to realit Back" ans: los tokens could decode loso of those works or 97% ocurrang
That's lox compression with almost perfect recall. Then the 2 did more traff text tokens: 600-700, Vison takers: 64 = 96.51. Pers; 10.5x compression text token 1: 1 000-1100 , Vision to Kensiga = 79.31. Pers , loss x compression text fokes: 1200-1300, Vision teakins: 64 = 59.1.7. Pirs/14.7x composition -acuta) propert 60% and while that can be seen as a faliar deep seek Mough Ary forth a new methods think about year memory you know what you dids min ago but what about last week, a little hazy but last year and you only remelow the big moments, Deepstek brilt that into a AI recent corres; stored as text (Sharp) older stuff gets compressed into imps (hazy) and aincirat history: compressed even more taking up Irss space, its not about storing more but storing what matters in a way that scalable Self Adopting #LMS (sral) and 2028 data wall by 2028 At will have consumed every poice of human text on the internet right now holels love the samp way: Ferd it data, it memorizes patters and that it but MIT said what if Al can trasform its own data before learning it, Mag made SEAL (SPIF Adapting LLMs), Working: give model nervitate Litea paper short of training directly on it smodel reads it first then generates its own A pairs etc. Then it fine tunes it self using LORA (Reinforcement I rarning) on which tornets work best. tor MCFdid: give model throtler it make ithouse mativiel to study a remove everything and anizit (after learning) this small spal model at mile and mile at Mit made better study matirel for itself from get-4 sowhen we hit that

2028 data wall techniques like seals will become important as it | won't be about models that are big/herrer but about models that can gen own train data

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