What is Deep Learning?

STORAGE LIMITS

Estimates based on bacterial genetics suggest that digital DNA could one day rival or exceed today's storage technology.

	Hard disk	Flash memory	Bacterial DNA
Read–write speed (µs per bit)	~3,000–5,000	~100	<100
Data retention (years)	>10	>10	>100
Power usage (watts per gigabyte)	~0.04	~0.01–0.04	$<10^{-10}$
Data density (bits per cm³)	$\sim 10^{13}$	$\sim 10^{16}$	$\sim 10^{19}$

WEIGHT OF DNA NEEDED TO STORE WORLD'S DATA

~1 kg

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Source: nature.com