

The World is Data Thirsty

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WHEN the Sloan Digital Sky Survey started work in 2000, its telescope in New Mexico collected more data in its first few weeks than had been amassed in the entire history of astronomy. Now, a decade later, its archive contains a whopping 140 terabytes of information. A successor, the Large Synoptic Survey Telescope, due to come on stream in Chile in 2016, will acquire that quantity of data every five days.

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Wal-Mart, a retail giant, handles more than 1*m* customer transactions every hour, feeding databases estimated at more than 2.5 **petabytes** the equivalent of 167 times the books in America's Library of Congress (see article for an explanation of how data are quantified).



What's happening in Facebook?

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Facebook, a social-networking website, is home to 40 billion photos.

Human Genome!

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Decoding the human genome involves analyzing 3 billion base pairs which took ten years the first time it was done, in 2003, but can now be achieved in one week.



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Well! What are they?

1. spot business trends
2. help prevent diseases combat crime
3. help weather forecasting
4. predict future

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5. helps business managers, economists, scientist and etc. to understand, take decisions and changes human survival and standards of living