

Artificial Intelligence: Homo Deus? God is God and Man is Man

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Content

1. Religion: Who is God?
2. Anthropology: Who is Human being?
3. Ethics: What to do?

Yuval Noah Harari



Homo deus

Une brève histoire
de l'avenir


Albin Michel

God is God - Human Being is Human Being

Common in World Religions: Dharmaic Religions (Hinduism, Buddhism, Jainism), Abrahamic Religions (Judaism, Christianity, Islam), and Daoist Religions.

Example:

“In God [Cosmic Christ] all things were created: things in heaven and on earth, visible and invisible, whether thrones or powers or rulers or authorities; [whether internet of Things or artificial intelligence, whether visible or invisible internet]; all things have been created through him and for him.”

Bible, New Testament, Letter to the Colossians 1, 16

Big Data:

Homo Politicus Homo Digitalis

Homo Digitalis

Human beings program computers – but computers change us too. Twelve examples.

By Christian Henrich (text) and Bratolj Mirokovic (illustration)

BRAIN ACTIVITY

Brain activity increases seven percent among people who hold an active mobile phone to their ear for 50 minutes without consciously using it. That was the finding of a study by the U.S. National Institute of Health. To date, there are no authoritative studies proving that using a mobile phone is harmful. It is certain, however, that our brains are sensitive to weak magnetic impulses. National Institute of Health, 2011

MULTITASKING

Multitasking? Be careful! The performance of drivers who fiddle with their cell phones when they're behind the wheel drops by 40 percent according to scientists at the University of Utah. That finding makes sense to neuroscientists, since we have known for some time that the human brain is not designed for multitasking – it just switches quickly back and forth between multiple tasks, which significantly increases the error rate. University of Utah, 2010

EARS

Talking on the telephone a lot significantly increases the odds of suffering from tinnitus, a kind of ringing in the ears. The incidence of tinnitus is twice as high among heavy phone users compared to the population as a whole. Just four years of intensive mobile phone use can be enough to trigger the disease, say researchers in a study published in Occupational and Environmental Medicine. University of Vienna, 2009

PHANTOM RINGING

Your smartphone is ringing! Or not. Researchers at the Indian Institute of Technology in Hyderabad discovered that 80 percent of young bicycle riders report feeling their telephone vibrate against their body at least once over a two-week period – even though it didn't move. Doctors have already come up with a term for the phenomenon: phantom pocket vibration syndrome. Indian Institute of Technology Hyderabad, 2014

DIVIDER

Separation anxiety from your cell phone? On average, people's hearts beat 13 more times per minute faster when temporarily separated from their smartphones, according to a study from the University of Missouri. University of Missouri, 2015

IQ

Computer games can make you smarter, at least if you choose the right ones. In one game called Thinking Games with Ellis and Mathis, developed for children aged 5 to 10 by psychologists at the University of Würzburg, children must complete 120 challenges in their search for the blue diamond of wisdom. In three remedial classes, student IQs increased from 90 to 101 after playing for just six weeks! University of Würzburg, 2011

EYES

The wavelength of blue LEDs used in mobile phones, tablets and laptops, is 480 nanometers. Medical scientists know that optical photoreceptors in our eyes are particularly sensitive to that wavelength. Looking at your smartphone in bed at night can make it more difficult to fall asleep. Center for Chronobiology, Basel University Psychiatric Clinics, 2014

THUMBS

Just ten days using a smartphone – that's all it takes to make us into real thumb artists! The area of the brain that reflects thumb sensitivity significantly increases that quickly, according to a study in Current Biology. University of Fribourg, 2015

ISOLATION

Active in social networks online, but isolated offline? That is nothing but a myth in the view of researchers at the Pew Research Center in Washington, DC. They have shown that more than 80 percent of people who are active on Twitter and Facebook are also actively engaged in groups offline. The percentage was only 56 for people who are not active on social media. Pew Research Center, 2011

BACKACHE

Backache is to digital life what paper cups are to coffee. Eighteen percent of young people suffer from backache on a daily basis, according to research conducted by the Robert Koch Institute – in the majority of cases, doctors linked the complaint to sitting still in front of the computer screen. Robert Koch-Institute, 2012

HANDS

Students who take notes by hand retain the material better, according to a report by the Pew Research Center in Washington, DC. They found that students taking notes on their laptop during a lecture recorded 79 percent more words – but they were less able to recall what they heard. Pew Research Center, 2012

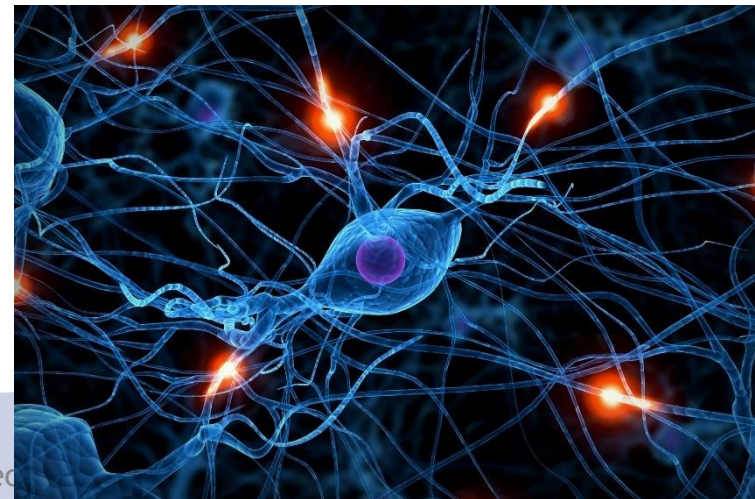
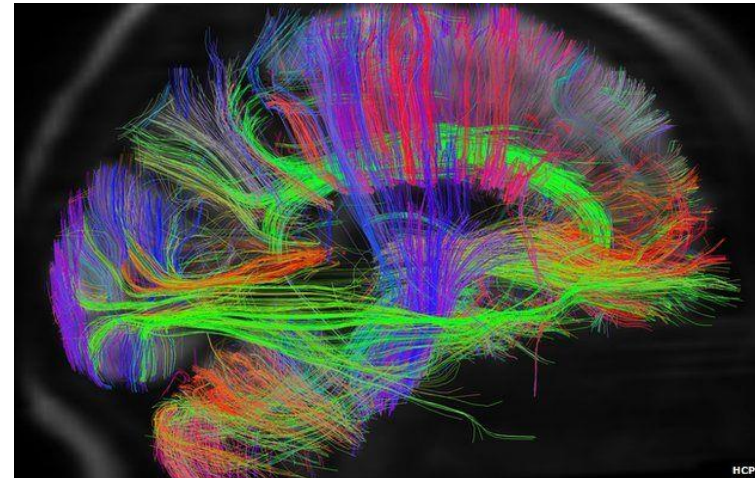
HEART

When we listen to music, we know and love, our heart vessels expand by an average of 26 percent, according to researchers at the University of Maryland Medical Center. Music: relaxation and release. Center, 2008

Big Data Mining and Human Brain: Can Artificial Intelligence compete?

“The human brain is stuffed with approximately **100 billion neurons**. Each one of these neurons can have **10,000 to 100,000 synaptic connections** on it formed from other neurons. Every one of these countless connections must be attached precisely between the correct neurons in the brain to form functional circuits. The sheer number of wires, called axons, that are required to connect 100 billion neurons into functional circuits is **imponderable**.” *R. Douglas Fields, The New Brain, Psychology Today (web edition), 2011.*

***Quantum Computer at Uni Basel and others)
by 2025?***



Ethics and Values and Benchmarks for Action

- 1. Responsibility** *re-pond*
- 2. Stewardship:** *manager, not owner*
- 3. Innovation:** *ethical*
- 4. Community:** *human relations first*
- 5. Sustainability:** *environment always*
- 6. Power:** *for the common good*

شكراً جداً (Shokran Gidan)

merci

thank you

teşekkürler

ngiyabonga

baie dankie

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asante sana

gracias Спасибо (spacibo)

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