

A stylized icon of a microchip or processor. It is a square with rounded corners, outlined in a glowing cyan color. Inside the square, the letters 'AI' are written in a large, white, sans-serif font. The background of the slide is a dark blue gradient with a complex pattern of glowing cyan circuit lines and dots, resembling a circuit board or data network.

AI

Ethics, Governance & Regulation

Peter Sy

University of the Philippines

Acknowledgements: Mark Luis Bulan & Rhoanna Marie Dizon of moodLearning, Inc (design & illustration)



UNESCO

ENGLISH ▾



UNESCO launches worldwide online public consultation on the ethics of artificial intelligence

15/07/2020

2 min



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TOP

DRAFT TEXT OF THE RECOMMENDATION ON THE ETHICS OF ARTIFICIAL INTELLIGENCE

Pursuant to the [40 C/Resolution 37](#), and in accordance with the UNESCO Constitution and the Rules of Procedure concerning recommendations to Member States and international conventions covered by the terms of Article IV, paragraph 4, of the Constitution, the Director-General of UNESCO convened an Ad Hoc Expert Group (AHEG) for the preparation of a draft text of a Recommendation on the Ethics of Artificial Intelligence, and submitted the draft text of the Recommendation to the special committee meeting of technical and legal experts, designated by Member States.

The special committee meeting was held in two phases, the first from 26 to 30 April 2021 and the second from 21 to 25 June 2021. Intersessional consultations were also organized in the period from 1 to 18 June 2021 (12 days). The special committee meeting revised the draft Recommendation and approved the present text for the submission to the General Conference at its 41st session for adoption.

Session Objectives

AI



governance & regulation
of/with AI innovations

DATA



- data primacy
- AI regulation

Regulating the internet giants The world's most valuable resource is no longer oil, but data

The data economy demands a new approach to antitrust rules



Living with technology

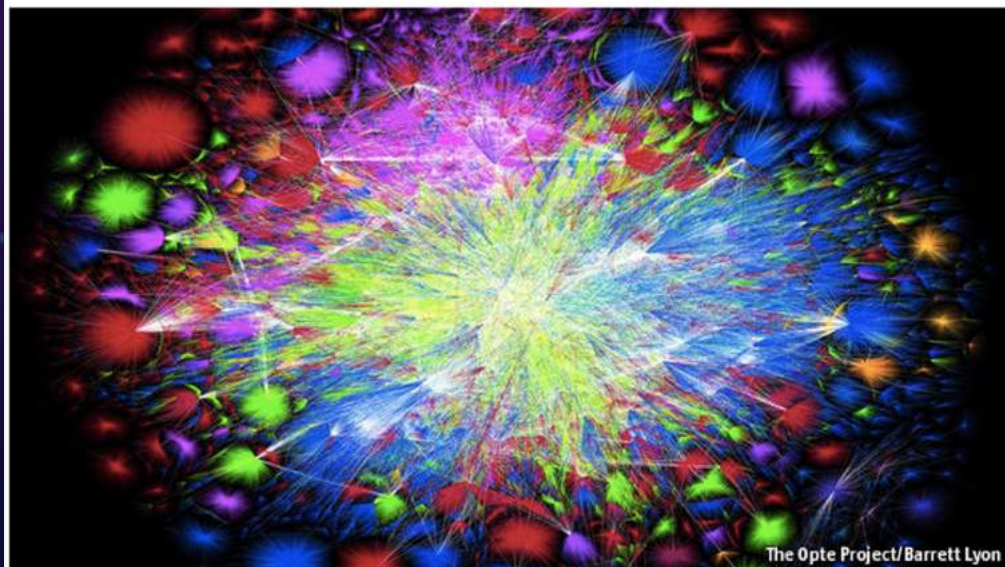
The data republic

To safeguard democracy, the use of data should be made as transparent as possible

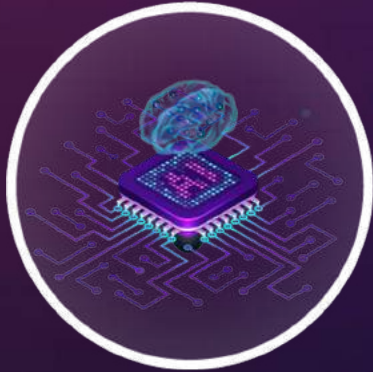
Mar 26th 2016 | From the print edition



630



Qualifier: 'Weak' AI



expert
systems



not ASI/AGI



Philippine
Roadmap



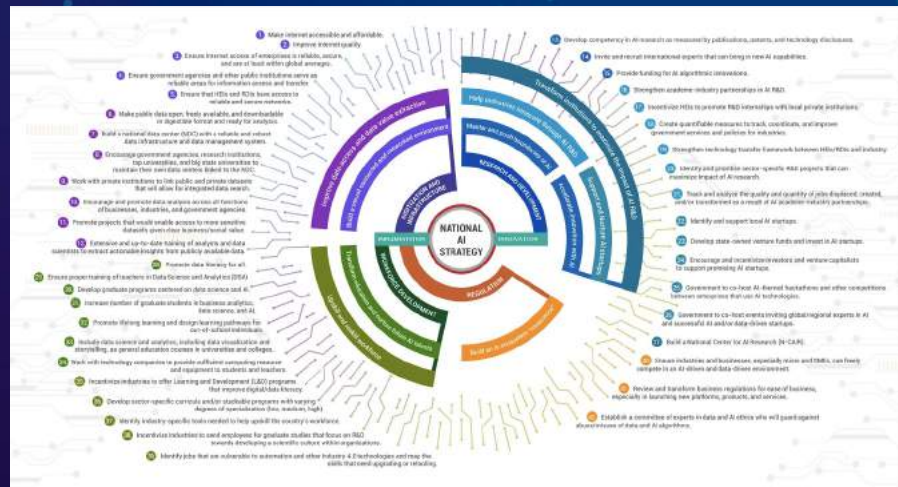
priority
problem-driven



business efficiency

mobility

environment



AI app areas



agriculture,
manufacturing, & services

business efficiency

mobility

environment

DQDeepTech

AUTHOR: DQINDIA ONLINE -

OCTOBER 25, 2021

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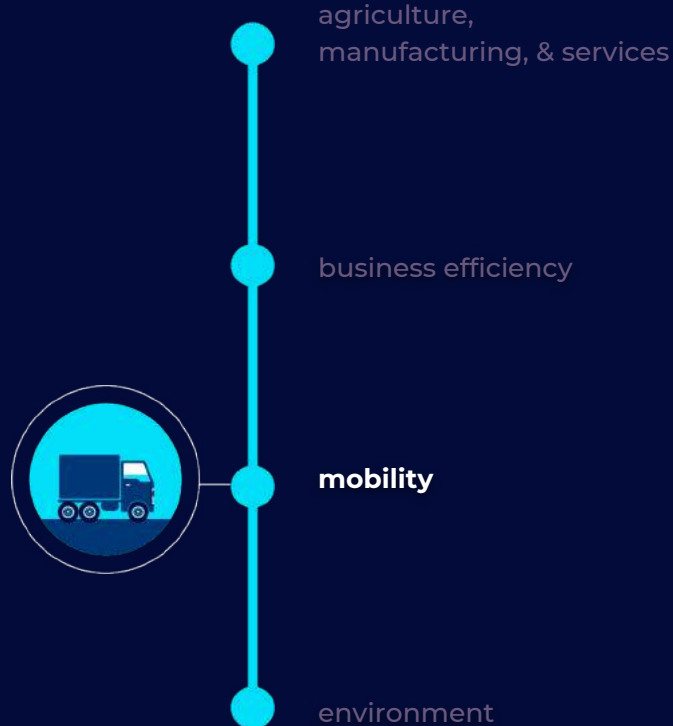


No comments

Artificial intelligence: The future of businesses

The future belongs to intelligent automation. With that said, organizations adopting artificial intelligence (AI) or giving it a top priority in their digital transformation initiatives will be the leaders for tomorrow.

AI app areas



Journals & Magazines > IEEE Signal Processing Magazine > Volume: 34 Issue: 4 ?

Optimal Mass Transport: Signal processing and machine-learning applications

Publisher: IEEE

[Cite This](#)



Open Access Article

Artificial Intelligence, Transport and the Smart City: Definitions and Dimensions of a New Mobility Era

by Alexandros Nikitas ^{1,*} , Kalliopi Michalakopoulou ¹ ,
 Eric Tchouamou Njoya ¹ and Dimitris Karampatzakis ²

Journals & Magazines > IEEE Signal Processing Magazine > Volume: 34 Issue: 4 ?

Optimal Mass Transport: Signal processing and machine-learning applications

Publisher: IEEE

[Cite This](#)

AI app areas



Policy & Governance

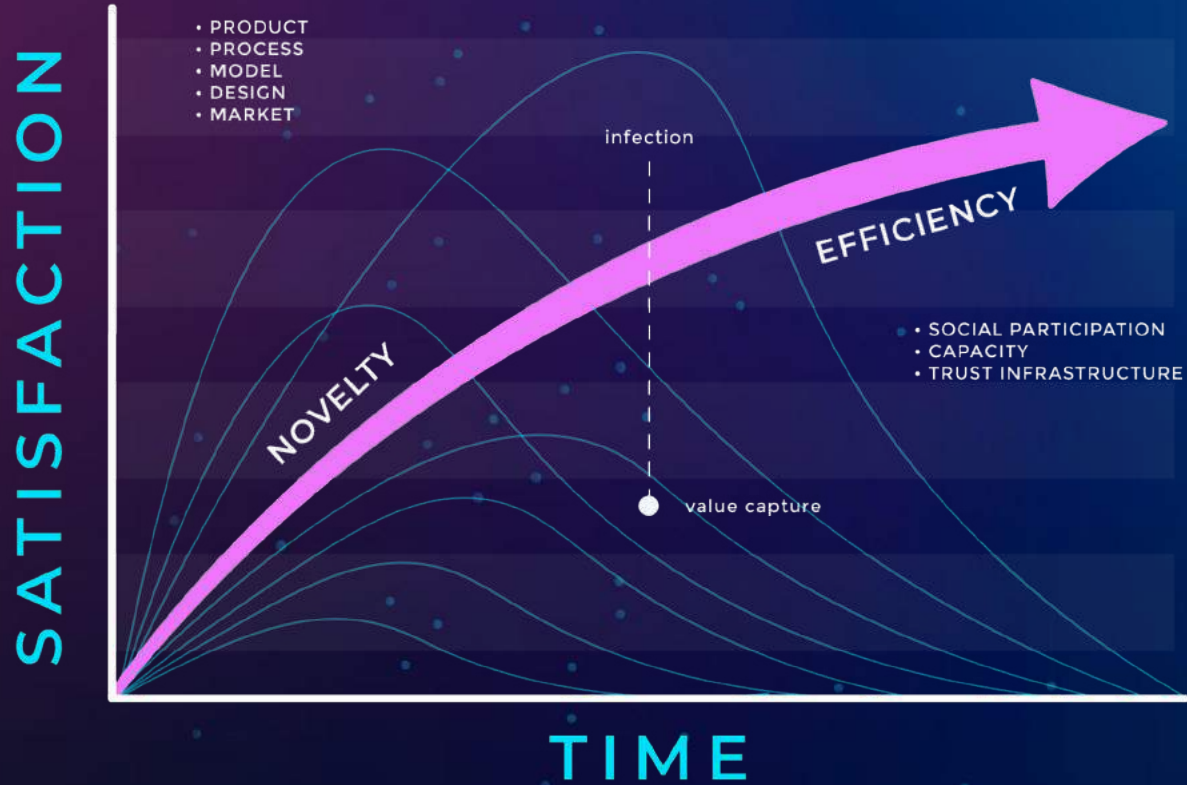
NO TOKENISM



**ENABLING
ENVIRONMENT**

- aggressive policies to 'demo or die'
- governance framework tuned to PH ethos & societal needs

Innovation



Trust Infrastructure

Trust

- “a socio-technical concept implying that the research, design, development, deployment, and use of AI systems should inspire, instead of infringing on, trust among people and in AI systems” (UNESCO, 2020)



Trust Infrastructure



Trust vs 'Cult of Transparency'

- transparency - cornerstone value
- trust - essential organizational structures, facilities, processes for advancing AI, unburdened by (among others) “the cult of transparency” (O’Neill, 2002)



TRANSPARENCY



TRUST

Data Processing

- Data are people
- open data policy
- framework for data sharing / data linking
 - government data
 - government + business data
 - problem-focused



Data Processing

- safe
- proper de-identification

ARX

Data Anonymization Tool

ARX is a comprehensive open source software for anonymizing sensitive personal data. It supports a wide variety of (1) privacy and risk models, (2) methods for transforming data and (3) methods for analyzing the usefulness of output data.

The software has been used in a variety of contexts, including commercial big data analytics platforms, research projects, clinical trial data sharing and for training purposes.

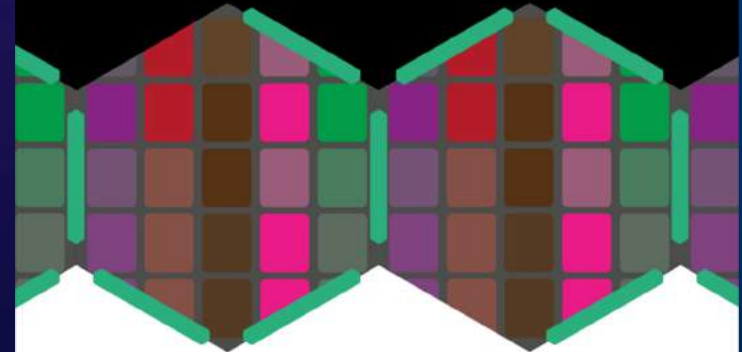
ARX is able to handle large datasets on commodity hardware and it features an intuitive cross-platform graphical user interface. You can find further information [here](#), or directly proceed to our [downloads](#) section.



The De-Identification Decision-Making Framework

Christine M O'Keefe, Stephanie Otorepec,
Mark Elliot, Elaine Mackey and Kieron O'Hara

18 September 2017



Australian Government
Office of the Australian Information Commissioner

AI Researcher's Info Fiduciary Duties

- Personal data processing entails entering into an ethical and legal relationship
- 2 parties (at least)
 - the personal information controller (PIC) - first party (information fiduciary)
 - the data subject - second party (beneficiary)
 - 3rd parties implied by relationships



AI Researcher's Info Fiduciary Duties

DUTIES



loyalty



care



confidentiality

Data Processing Presumptions

- “presumption of regularity” principle: unless there is evidence to prove the contrary, transactions in the course of business are assumed to have been conducted in the regular manner
- “presumption of legitimacy” (sometimes)
 - Legitimate Purpose Test
 - Purpose (interest served)
 - Necessity
 - Balance (overriding rights?)
 - privileged position of AI research



Recap

- AI governance & regulation
 - equitable access: open data
 - principle-based
 - transparency
 - trust
 - data processing
 - privacy preserving
 - Fiduciary duties
 - presumptions
 - regularity
 - legitimacy: public benefit
 - enabling environment
 - professional self-regulation
 - oversight

