EMBRACING THE DATA ECONOMY: WHAT IS AT STAKE FOR LEGAL ACADEMIA?

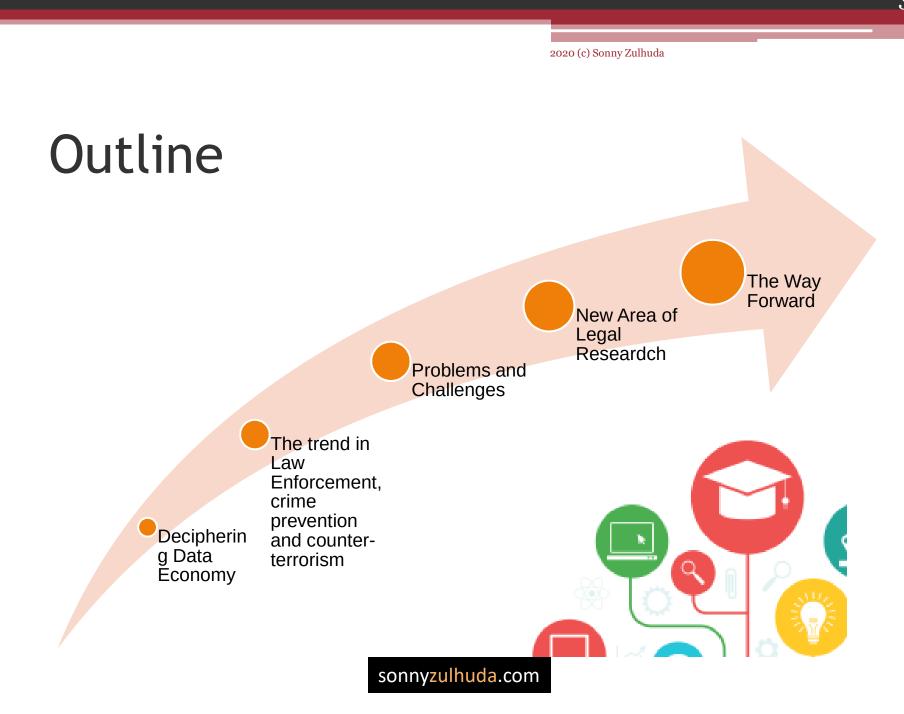
International Conference of Muhammadiyah and 'Aisyiyah Higher Education Association (ICMAHEA) - UM PALEMBANG, 25-26 SEPTEMBER 2020



Sonny Zulhuda, Ph.D

<u>sonny@iium.edu.my</u> Associate Professor Faculty of Law International Islamic University Malaysia

GREETINGS FROM THE INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA



"Data Economy"?

- 1. The (increase in the) availability of data, the related business opportunities, as well as the (potential) social value of the insights that can be generated.
- 2. Emphasises on the economic impact of the marketplace where digital data is exchanged as products or services.
- 3. The ability to collect and analyse significant volumes of data, from a variety of sources and at a rapid pace underpins the business models of a wide range of online activities derived from raw data.

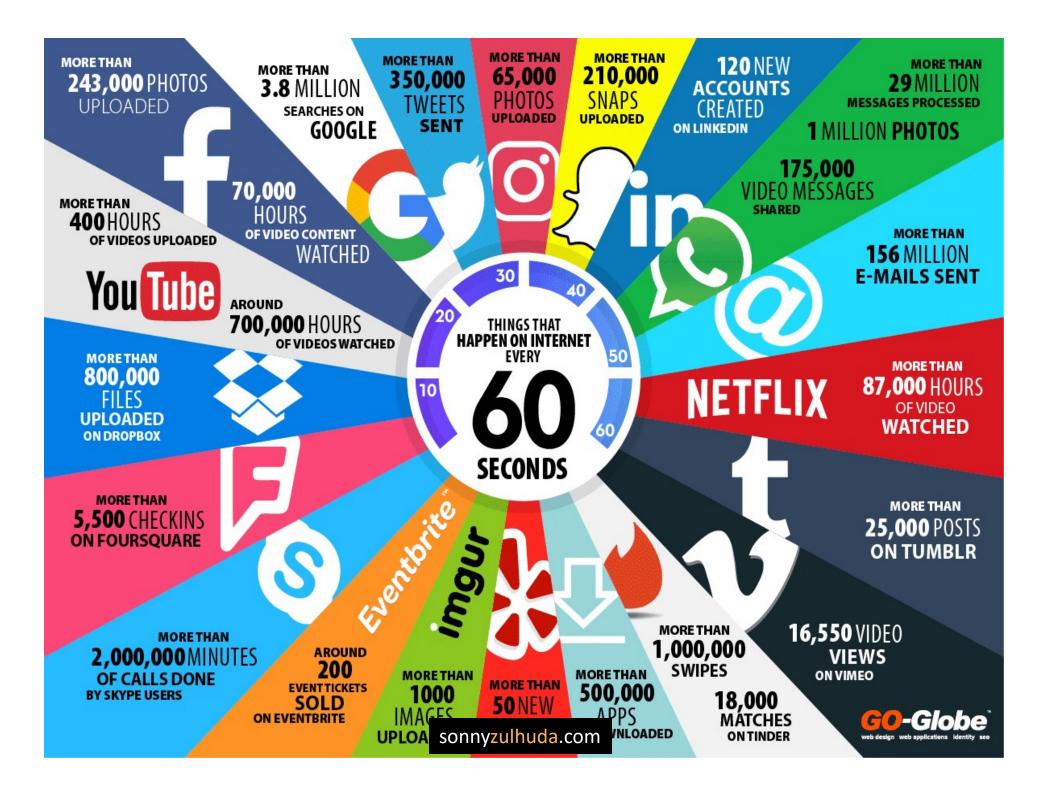
Data Economy and the Legal Concerns

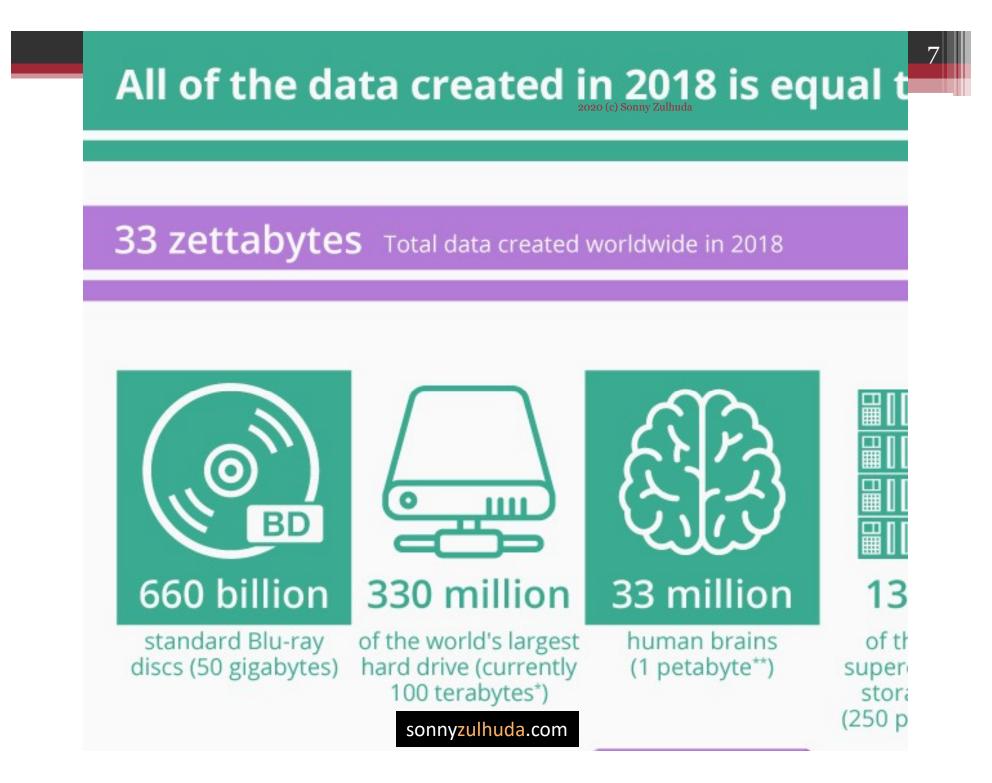


More business transactions are conducted online Personal information is massively processed for critical assessments (financial, security, medical, etc.)

Human judgment is replaced by Al/Robot

Current law is incapable or incapacitated





FEATURES AND CHALLENGES

Massive use of Big Data
 Internet of things - Gadget
 Synchronisation of Data
 Digital traces - Privacy
 Data Obesity-Excess of data inflation

 More data gathering, less data intelligence?
 Information, disinformation, mal-information, misinformation

LAW IN THE INFORMATION ERA

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(k.)

 Evolution of the Law-making process
 Law enforcement and crime prevention
 Legal reform: New Wine and New Bottle?
 More collaborative, less restrictive (multistakeholderism, multi-jurisidction)

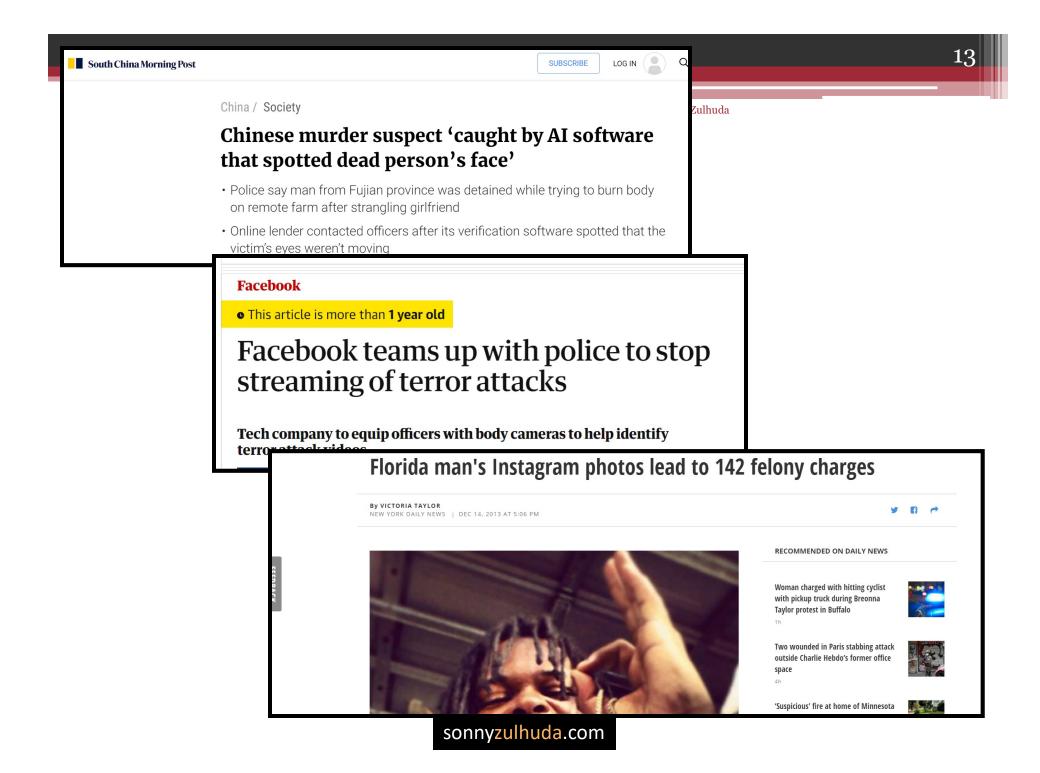


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AI-ENABLED LAW ENFORCEMENT







THE MALAYSIAN INSIGHT

Berita

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Mahkamah Sabah, Sarawak guna teknologi Al bantu hakim jatuh hukuman

Desmond Davidson

dson Dikemas kini 8 bulan yang lalu · Diterbitkan pada 17 Jan 2020 4:48PM · 0 Komen



Global Agenda Justice and Law European Union Artificial Intelligence and Robotics

Estonia is building a 'robot judge' to help clear a legal backlog



Estonia has started to incorporate Al into a number of its government functions.

Image: REUTERS/Maxim Shemeto

Robot mediator settles first ever court case

19 February 2019 Posted by Nick Hilborne

A 'robot mediator' has been used to settle a dispute in the court system, for what is believed to be the first time.

The online tool, which uses artificial intelligence (AI) algorithms in place of

liator, settled the threee in less than an hour.

mediator and online ution expert, said the came when he /o litigants from the online civil money n to the Canadian dispute



Ross: The system uses algorithms to help parties avoid the negotiation dance

JURISPRUDENTIAL CHALLENGES



- 1. Is data a property?
- 2. Who owns personal information out of the IoT?
- 3. The challenge of crossborder crimes
- 4. Balancing privacy and security?
- 5. Who is responsible for the fault of the AI?

CHALLENGES TO LAW EDUCATORS



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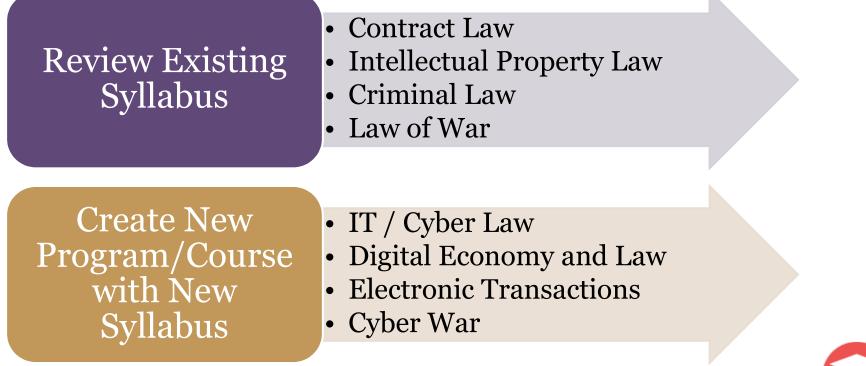
- Technology as a carrier for law education
 Technology changes over time.
 - Need to cope!
- Digital Natives: new ways to learn law?
- Will Robots replace Law Enforcers and Arbiters?

WAY TO GO: A DISRUPTIVE REGULATORY APPROACH

- ← A HYBRID OF TOP-DOWN AND BOTTOM-UP
- **MULTI-STAKEHOLDERISM**
- ✤ PUBLIC-PRIVATE PARTNERSHIP (CO-REGULATORY)
- T SPIRIT OVER LETTER OF THE LAW
- **HAW FOR DIGITAL NATIVE SOCIAL JUSTICE**
- .d AGILITY AND ABILITY TO CHANGE!



DEVELOPING THE CURRICULUM - Two Approaches



Example of Cyberlaw Module:

http://sonnyzulhuda.com/LAV

sonnyzulhuda.com



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CONCLUSION

- The proliferation of data economy leads to an unprecedented innovation of law-making and law-enforcement processes.
- While it is pertinent that law-making and law-enforcing in near future will be utilising data and digital technology, it is also crucial to eliminate the risks and detrimental effect of such use.
- The challenges of data economy today must be put in the radar of Muhammadiyah educational institutions, to ensure they produce graduates who are relevant and competitive.
- This presentation calls for PTMA to have a fresh view on this and how the research and teaching activities would need to adjust.

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Food for Thought: DATA ECONOMY IS ABOUT SURVIVAL



"We did not do anything wrong, but somehow, we lost"

Stephen Elop, Former CEO of Nokia (2016)



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- Klaus Schwab, <u>Shaping the Future of the Industrial Revolution</u> (2017).
- Thomas A. Lambert, <u>How to Regulate: A Guide for Policymakers</u> (2017)
- Cailin O'Connor & James Owen Weatherall, <u>The Misinformation</u> <u>Age: How False Beliefs Spread</u> (2019).
- Book by Body of European Regulators for Electronic Communications, <u>BEREC Report on the Data Economy</u> (2019).





THANK YOU

Dr. Sonny Zulhuda

sonny@iium.edu.my http://sonnyzulhuda.com