# 1AC Smartization

## Data/AI Adv

### Smart Cities Scenario

#### Data hording inhibits US AI Innovation

**Wheeler 20** (Tom Wheeler served as 31st Chairman of the Federal Communications Commission (FCC) from 2013-2017. He is a visiting fellow at the Brookings Institution and a senior fellow at the Harvard Kennedy School.; “DIGITAL COMPETITION WITH CHINA STARTS WITH COMPETITION AT HOME”; APRIL 2020; <https://www.brookings.edu/research/digital-competition-with-china-starts-with-competition-at-home/>; AS)

America’s dominant tech companies have seized upon the competition with China as a rationale for

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open their mercenary lock on the assets essential for competition-driven innovation.

#### Data is king for AI–smart cities and a laundry list of emerging innovation potential

**Lucas and Waters** **2018**, Louise Lucas in Hangzhou and Richard Waters in San Francisco, Financial Times, “China and US compete to dominate big data” May 1, 2018, NexisUni. <https://www.ft.com/content/e33a6994-447e-11e8-93cf-67ac3a6482fd> //DELO

Chinese attitudes to data privacy are becoming slightly less lax, but regulations are still

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Half the AI engineers in Silicon Valley are Chinese,” says Mr Wu.

#### Smart cities key to make urban growth sustainable

**Khan 15** (Zaheer Khan & Kamran Soomro – Faculty of Environment and Technology, Department of Computer Science and Creative Technologies, University of the West of England. Ashiq Anjum – Faculty of Business, Computing and Law, School of Computing and Mathematics, University of Derby. Muhammad Atif Tahir – School of Computer Science and Digital Technologies, University of Northumbria. <KEN> “Towards cloud based big data analytics for smart future cities,” Journal of Cloud Computing Vol. 4, No. 2. February 2015. https://journalofcloudcomputing.springeropen.com/articles/10.1186/s13677-015-0026-8#Sec12)

A large amount of land-use, environment, socio-economic, energy

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and decision making becomes challenging without developing and applying appropriate tools and techniques.

#### Unsustainable megacities cause extinction – litany of reasons

Cribb, 2017 (Julian Cribb, Julian Cribb is an Australian science writer, the author of nine books and over 8000 media articles. He is a Fellow of the Australian Academy of Technological Sciences and Engineering and of the Australian National University Emeritus Faculty.From 1996-2002 he was Director, National Awareness, for Australia's national science agency, CSIRO. He has received more than 30 awards for journalism including the Order of Australia Association Media Prize, the inaugural Eureka Prize for environmental journalism, the inaugural AUSTRADE award for international business journalism, the Dalgety Award for rural journalism, two MBF Awards for medical journalism and five Michael Daley Awards for science journalism., “The Urbanite (Homo urbanus),” Surviving the 21st Century, pp 147-169, Print ISBN: 978-3-319-41269-6, <https://link.springer.com/chapter/10.1007/978-3-319-41270-2_8#citeas>, accessed on 11/21/2019)

By the mid-twenty-first century the world’s cities will be home to

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whole world will have a virtual ringside seat as future urban nightmares unfold.

#### Warming causes extinction, nuclear war, and structural violence.

Sharp and Kennedy ‘14**:**, [Robert Sharp [Associate Professor Robert (Bob) A. Sharp is the UAE National Defense College Associate Dean for Academic Programs and College Quality Assurance Advisor. He previously served as Assistant Professor of Strategic Security Studies at the College of International Security Affairs (CISA) in the U.S. National Defense University (NDU), Washington D.C. and then as Associate Professor at the Near East South Asia (NESA) Center for Strategic Studies, collocated with NDU. Most recently at NESA, he focused on security sector reform in Yemen and Lebanon, and also supported regional security engagement events into Afghanistan, Turkey, Egypt, Palestine and Qatar] and Edward Kennedy [Edward Kennedy is a renewable energy and climate change specialist who has worked for the World Bank and the Spanish Electric Utility ENDESA on carbon policy and markets], “Climate Change and Implications for National Security”, *International Policy Digest*, 22 Aug 2014]

Over the 250 years carbon fuels have enabled tremendous technological advances including a population growth

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**threaten to unravel decades of economic development, which will ultimately foster conflict.**

### Vaccine Scenario

#### Data-Rich AI Models Lead to Accelerated Vaccine Delivery

MIT et al 20 (MIT Technology Review Insights is the custom publishing division of MIT Technology Review, the world’s longest-running technology magazine, backed by the world’s foremost technology institution—producing live events and research on the leading technology and business challenges of the day. Insights conducts qualitative and quantitative research and analysis in the US and abroad and publishes a wide variety of content, including articles, reports, infographics, videos, and podcasts. And through its growing MIT Technology Review Global Panel, Insights has unparalleled access to senior-level executives, innovators, and thought leaders worldwide for surveys and in-depth interviews; Genesys is the global leader in cloud customer experience and contact center solutions; Philips; "The global AI agenda: Promise, reality, and a future of data sharing”; March 26, 2020; https://mittrinsights.s3.amazonaws.com/AIagenda2020/GlobalAIagenda.pdf; AS)

Share your data to help AI work for everyone. Hoarding data will eventually prove

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as blockchain and federated learning are likely to make it a safer proposition.

#### Vaccines are also crucial to stopping future pandemics—but reassuring the public about their safety is crucial:

Julie L. Gerberding, M.D., M.P.H., and Barton F. Haynes, M.D., 2/4/2021 (New England Journal of Medicine, “Vaccine Innovations — Past and Future,” <https://www.nejm.org/doi/full/10.1056/nejmp2029466>, Retrieved 8/2/2021)

Vaccination is a powerful method of disease prevention that is relevant to people of all

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effective vaccines for everyone who could benefit from them remains an important challenge.

#### Future pandemics cause extinction

Eleftherios P. **Diamandis 21** (works for the Department of Pathology and Laboratory Medicine, Mount Sinai Hospital, Toronto, Canada; Lunenfeld-Tanenbaum Research Institute, Mount Sinai Hospital, Toronto, Canada; Department of Laboratory Medicine and Pathobiology, University of Toronto, Toronto, Canada. “The Mother of All Battles: Viruses vs. Humans. Can Humans Avoid Extinction in 50-100 Years? 4/13/21 https://www.preprints.org/manuscript/202104.0397/v1)//conway

The recent SARS-CoV-2 pandemic, which is causing COVID 19 disease

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will trigger preventative measures that could reverse or delay the projected adverse outcomes.

## Solvency

#### Plan: The United States Federal Government should substantially increase its prohibitions on anticompetitive business practices by expanding the scope of its core antitrust laws to include nascent competitors by lowering HSRA filing requirements by establishing that it is a per se violation for companies to own significant portions of market data and fail to open their data for computational antitrust auditability in a data trust.

#### Plan allows proactive antitrust, simplifies merger analysis, and helps protect consumers

**Carey 21, [**Maura Carey is an academic outreach chair of the Stanford Computational Antitrust Project. “The Computational Antitrust Project” American Bar Association, April 05, <https://www.americanbar.org/groups/business_law/publications/committee_newsletters/legal_analytics/2021/202104/fa_2/>] //Aryan

Technology has led to an explosion in the volume of data that antitrust regulators need

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ensuring that antitrust enforcement can keep up with the rapid pace of chance.

#### Comp antitrust addresses judicial ineptitudes with pattern recognition

CodeX ‘21. TRANSCRIPT. Computational Antitrust First Annual Conference: Exploring Antitrust 3.0 On December 13, 14, and 15, 2021, The Stanford Center for Legal Informatics (CodeX). <https://law.stanford.edu/wp-content/uploads/2022/02/first-annual-conference-transcript.pdf>. This section is Daryl Lim speaking. /// Anekah

Computational Antitrust brings together the maximum precision of artificial intelligence to address Chicago and fears

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of the good. It is progress, not perfection that we seek.

#### Auditability and a data trust inhibits anticompetive practices and allows data science and sharing

**Mahari et al 21**-[Mahari, Graduate student, Human Dynamics Group, MIT Media Lab and JD Candidate, Harvard Law School; Lera, Assistant professor at the Shenzhen-based ETH Zurich-SUSTech Risks-X Institute and visiting researcher at MIT Connection Science and Human Dynamics;Pentland, Professor at Massachusetts Institute of Technology, Director of Connection Science and Human Dynamics, MIT Media Laboratory, Sloan School, and Institute for Data Systems and Society] //Aryan

B – Disincentivizing Data Control As discussed in Part II, we view control over

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advantage, but it creates accountability and transparency while generally discouraging anticompetitive behavior.

#### Disruptive antitrust is inevitable -- streamlining data evaluation under computational antitrust solves asymmetries

**Schrepel ‘21,** Dr. Thibault Schrepel, LL.M. Faculty Affiliate at Stanford University CodeX Center (creator of the project on Computational Antitrust), Assistant Professor at Utrecht University School of Law, Associate Researcher at University of Paris 1 Panthéon-Sorbonne, and Invited Professor at Sciences Po Paris. I , “Computational Antitrust: An Introduction and Research Agenda” <https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3766960>

Antitrust 1.0 appeared in 1890 with the Sherman Act and was introduced in

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emergence of new players when the market was deemed to have tipped.55

#### Our discussion of the state does not legitimize the state

Frost 96 (Mervyn Frost, Professor at the University of Kent, “Ethics In International Relations A Constitutive Theory,” pp. 90-91)

A first objection which seems inherent in Donelan's approach is that utilizing the modern state

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such as citizenship, rights under law, representative government and so on.

#### No prior questions

Zanotti 17 (Associate Professor Department of Political Science, Virginia Tech (Laura, “Reorienting IR: Ontological Entanglement, Agency, and Ethics,” International Studies Review, January 13, 2017)

In this article, I have argued that in order for IR to remain politically

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cuts our initiatives operate and for the morphogenetic processes they may set off.

#### Evaluating synthesis is more productive than prior questions – their links only prove the mystification of ethics which is why you lean toward problem-solving instead of low link thresholds

Cochran 99 (Molly, Assistant Professor of International Affairs at Georgia Institute for Technology, “Normative Theory in International Relations”, 1999, pg. 272

-avoids over-analysis gridlock and theoretical echo chambers)

To conclude this

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pragmatic critique can be a useful ally to feminist and normative theorists generally.

#### Simulation facilitates communication and across multiple groups - includes all forms of knowledge

Eijkman 2012 (Dr. Henk Eijkman, currently an independent consultant as well as visiting fellow at the University of New South Wales at the Australian Defence Force Academy and is Visiting Professor of Academic Development, “The role of simulations in the authentic learning for national security policy development: Implications for Practice,” http://nsc.anu.edu.au/test/documents/Sims\_in\_authentic\_learning\_report.pdf)

Policy simulations facilitate effective communication across diverse groups, encourage the exchange of ideas,

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perspective or that of one dominant stakeholder (Geurts et al. 2007).