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Beyond Transparency

Open Data and the Future of Civic Innovation

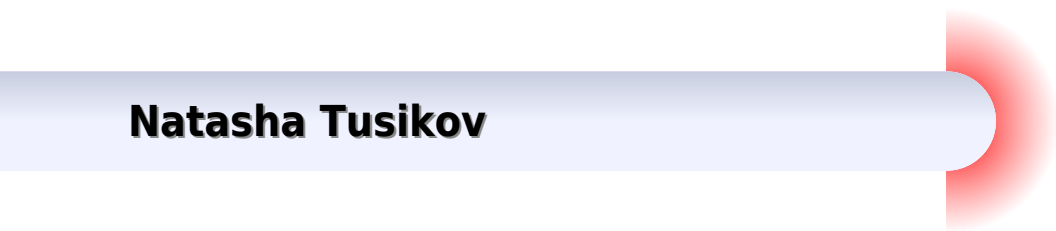


*"A must-read for anyone who is passionate about what
open data can do to transform city living."*

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Beyond Transparency Open Data And The Future Of Civic Innovation

Natasha Tusikov



Beyond Transparency Open Data And The Future Of Civic Innovation:

Beyond Transparency Brett Goldstein, Lauren Dyson, 2013-09-30 The rise of open data in the public sector has sparked innovation driven efficiency and fueled economic development While still emerging we are seeing evidence of the transformative potential of open data in shaping the future of our civic life and the opportunity to use open data to reimagine the relationship between residents and government especially at the local level As we look ahead what have we learned so far from open data in practice and how we can apply those lessons to realize a more promising future for America's cities and communities Edited by Brett Goldstein former Chief Data Officer for the City of Chicago with Code for America this book features essays from over twenty of the world's leading experts in a first of its kind instructive anthology about how open data is changing the face of our public institutions Contributors include Michael Flowers Chief Analytics Officer New York City Beth Blauer former director of Maryland StateStat Jonathan Feldman CIO City of Asheville Tim O'Reilly founder this compilation presents us with a great deal to admire ample provocation and wise guidance from a group of remarkable individuals Susan Crawford author of *Captive Audience* Just as he did during his time in my administration Goldstein has brought together industry leaders to discuss issues of relevance in the open data movement and the practical implications of implementing these policies This book will help continue the work to make open government a reality across the country Mayor Rahm Emanuel City of Chicago A must read for anyone who is passionate about what open data can do to transform city living Boris Johnson Mayor of London

The Future of Open Data Pamela Robinson, Teresa Scassa, 2022-05-24 The Future of Open Data flows from a multi year Social Sciences and Humanities Research Council SSHRC Partnership Grant project that set out to explore open government geospatial data from an interdisciplinary perspective Researchers on the grant adopted a critical social science perspective grounded in the imperative that the research should be relevant to government and civil society partners in the field This book builds on the knowledge developed during the course of the grant and asks the question What is the future of open data The contributors insights into the future of open data combine observations from five years of research about the Canadian open data community with a critical perspective on what could and should happen as open data efforts evolve Each of the chapters in this book addresses different issues and each is grounded in distinct disciplinary or interdisciplinary perspectives The opening chapter reflects on the origins of open data in Canada and how it has progressed to the present date taking into account how the Indigenous data sovereignty movement intersects with open data A series of chapters address some of the pitfalls and opportunities of open data and consider how the changing data context may impact sources of open data limits on open data and even liability for open data Another group of chapters considers new landscapes for open data including open data in the global South the data priorities of local governments and the emerging context for rural open data

Privacy, Big Data, and the Public Good Julia Lane, Victoria Stodden, Stefan Bender, Helen Nissenbaum, 2014-06-09 Data access is essential for serving the public good This book provides

new frameworks to address the resultant privacy issues **ECEG 2014 Proceedings of the 14th European Conference on e-Government** Alexandru Ionas,2014-12-06 Analysis of the value of new generation of egovernment services and how can the public sector become an agent of innovation through ICT Galasso, G.; Garbasso, G.; Farina, G.; Osimo, D.; Mureddu, F.; Kalvet, T.; Waller, P.,2016-01-01 The current social economic and technological developments are leading towards the emergence of a new generation of eGovernment Services defined within the scope of the study as Open eGovernment Services OGS Such OGS are open collaborative and digital based services characterised by a deliberate declared and purposeful effort to increase openness and collaboration through technology in order to deliver increased public value These open collaborative and co production features exist in all phases of the design deployment implementation and delivery of the service In this regard the objective of the study was to better understand what OGS are what is their value for society and how the public sector should innovate to foster their use and maximize their impact on society To this aim the study produced the following results 1 a definition and a taxonomy of OGS 2 an assessment of the value of OGS based on a costs benefits analysis aggregated and extrapolated across European countries completed with an assessment of the non monetized benefits 3 the assessment of how public sector innovation happens and how the implementation of OGS can be accelerated by mean of appropriate policy measures *The State of Open Data* Davies, Tim,Walker, Stephen B.,Rubinstein, Mor,2019-05-22 It s been ten years since open data first broke onto the global stage Over the past decade thousands of programmes and projects around the world have worked to open data and use it to address a myriad of social and economic challenges Meanwhile issues related to data rights and privacy have moved to the centre of public and political discourse As the open data movement enters a new phase in its evolution shifting to target real world problems and embed open data thinking into other existing or emerging communities of practice big questions still remain How will open data initiatives respond to new concerns about privacy inclusion and artificial intelligence And what can we learn from the last decade in order to deliver impact where it is most needed The State of Open Data brings together over 60 authors from around the world to address these questions and to take stock of the real progress made to date across sectors and around the world uncovering the issues that will shape the future of open data in the years to come **Spatial Planning in the Big Data Revolution** Voghera, Angioletta,La Riccia, Luigi,2019-03-15 Through interaction with other databases such as social media geographic information systems have the ability to build and obtain not only statistics defined on the flows of people things and information but also on perceptions impressions and opinions about specific places territories and landscapes It is thus necessary to systematize integrate and coordinate the various sources of data especially open data to allow more appropriate and complete analysis descriptions and elaborations Spatial Planning in the Big Data Revolution is a critical scholarly resource that aims to bring together different methodologies that combine the potential of large data analysis with GIS applications in dedicated tools specifically for territorial social economic environmental transport energy real estate and

landscape evaluation Additionally the book addresses a number of fundamental objectives including the application of big data analysis in supporting territorial analysis validating crowdsourcing and crowdmapping techniques and disseminating information and community involvement Urban planners architects researchers academicians professionals and practitioners in such fields as computer science data science and business intelligence will benefit most from the research contained within this publication

Chokepoints Natasha Tusikov, 2017 In January 2012 millions participated in the now infamous Internet blackout against the Stop Online Piracy Act protesting the power it would have given intellectual property holders over the Internet However while SOPA's withdrawal was heralded as a victory for an open Internet a small group of corporations tacitly backed by the US and other governments have implemented much of SOPA via a series of secret handshake agreements Drawing on extensive interviews Natasha Tusikov details the emergence of a global regime in which large Internet firms act as regulators for powerful intellectual property owners challenging fundamental notions of democratic accountability

Algorithmic Regulation Karen Yeung, Martin Lodge, 2019 As the power and sophistication of big data and predictive analytics has continued to expand so too has policy and public concern about the use of algorithms in contemporary life This is hardly surprising given our increasing reliance on algorithms in daily life touching policy sectors from healthcare transport finance consumer retail manufacturing education and employment through to public service provision and the operation of the criminal justice system This has prompted concerns about the need and importance of holding algorithmic power to account yet it is far from clear that existing legal and other oversight mechanisms are up to the task This collection of essays edited by two leading regulatory governance scholars offers a critical exploration of algorithmic regulation understood both as a means for coordinating and regulating social action and decision making as well as the need for institutional mechanisms through which the power of algorithms and algorithmic systems might themselves be regulated It offers a unique perspective that is likely to become a significant reference point for the ever growing debates about the power of algorithms in daily life in the worlds of research policy and practice The range of contributors are drawn from a broad range of disciplinary perspectives including law public administration applied philosophy data science and artificial intelligence Taken together they highlight the rise of algorithmic power the potential benefits and risks associated with this power the way in which Sheila Jasanoff's long standing claim that technology is politics has been thrown into sharp relief by the speed and scale at which algorithmic systems are proliferating and the urgent need for wider public debate and engagement of their underlying values and value trade offs the way in which they affect individual and collective decision making and action and effective and legitimate mechanisms by and through which algorithmic power is held to account

Smart Sensors for Industry 4.0 Brojo Kishore Mishra, Sandipan Mallik, Dac-Nhuong Le, 2024-07-26 Discover the essential guide to harnessing the power of cutting edge smart sensors in Industry 4.0 offering deep insights into fundamentals fabrication techniques and real world IIoT applications equipping you with the knowledge to revolutionize your industrial

processes and stay ahead in the digital era Over the last decade technologies like the Internet of Things IoT big data cloud computing blockchain artificial intelligence AI machine learning device automation smart sensors etc have become highly developed fundamental supports of Industry 4 0 replacing the conventional production systems with advanced methods and thereby endorsing the smart industry vision Industry 4 0 is more flexible and agile in dealing with several risk factors further enabling improved productivity and efficiency distribution increased profitability data integrity and enhancing customer experience in the current commercial environment For understanding and analyzing the environment sensors play a major role in performing the measurements based on computation produced results from the surrounding environment Sensors have a wide range of applications for smart industrial operations The evolution of flexible low cost and multipurpose sensors and their system integration has been examined to develop advanced devices with applications in numerous fields of technology With the development of both the Internet of Things IoT and the Industrial IoT IIoT advanced sensors and their associated applications are developing resulting in the necessity for IoT sensors to be used for several industrial applications Beneficial aspects of this book include The latest research in materials and methodology for the fabrication of intelligent sensors its IoT system integration and IIoT applications are brought together Promotes a vision towards making sensor based monitoring and control of smart industry Recent advances and challenges of smart sensors are discussed with an emphasis on unmet challenges and future directions of a roadmap to Industry 4 0 Audience This book is highly recommended to a wide range of researchers and industry engineers working in the area of fabrication and integration of industrial smart sensors for IIoT applications advanced materials for sensor technology fabrication and characterization of IoT sensors development of low cost sensors sensor system design and integration and its industrial applications Post graduate students from different streams like computer science electronics and electrical engineering information technology electronic communication etc will benefit from reading this book

Data Protection and Privacy: (In)visibilities and Infrastructures Ronald Leenes, Rosamunde van Brakel, Serge Gutwirth, Paul De Hert, 2017-02-07 This book features peer reviewed contributions from across the disciplines on themes relating to protection of data and to privacy protection The authors explore fundamental and legal questions investigate case studies and consider concepts and tools such as privacy by design the risks of surveillance and fostering trust Readers may trace both technological and legal evolution as chapters examine current developments in ICT such as cloud computing and the Internet of Things Written during the process of the fundamental revision of revision of EU data protection law the 1995 Data Protection Directive this volume is highly topical Since the European Parliament has adopted the General Data Protection Regulation Regulation 2016 679 which will apply from 25 May 2018 there are many details to be sorted out This volume identifies and exemplifies key contemporary issues From fundamental rights and offline alternatives through transparency requirements to health data breaches the reader is provided with a rich and detailed picture including some daring approaches to privacy and data protection The book will inform and inspire all stakeholders

Researchers with an interest in the philosophy of law and philosophy of technology in computers and society and in European and International law will all find something of value in this stimulating and engaging work **Neuroimaging, Software, and Communication** Edison Bicudo, 2019-06-29 This book analyses the social contexts in which programmers design neuroimaging software used in brain studies It shows that in the same way people engage in everyday communication programmers are involved in a series of communicative processes to realize the negotiations and discussions generated by software development In this way highly technical activities such as computer code writing are also underpinned by values preferences and power relations At the same time the book sheds new light on scientists increasing dependence on software On the one hand many scientific tasks can no longer be performed without the help of computational technologies On the other hand most scientists have only superficial computing knowledge As a result inequalities emerge whereby some scientists take the most strategic methodological decisions whereas other scientists can only rely on the technical help provided by user friendly computer applications *Intelligent and Autonomous: Transforming Values in the Face of Technology* , 2023-08-28 This book uses case analyses and industry insights and blends them with forays into philosophy and ethics to conceptualise the mismatch between human values and the values inherent in an increasingly technologized world Bringing together contributors from the disciplines of law politics philosophy and communication studies this volume develops an interdisciplinary vocabulary for thinking about the questions and antinomies of human technology interaction while also resisting any deceptively straightforward synthesis The topics discussed include the competition over and regulation of technology the harm induced by autonomous technologies and the place and role of humans in a world that is undergoing rapid and radical change **Design Justice** Sasha Costanza-Chock, 2020-03-03 An exploration of how design might be led by marginalized communities dismantle structural inequality and advance collective liberation and ecological survival What is the relationship between design power and social justice Design justice is an approach to design that is led by marginalized communities and that aims explicitly to challenge rather than reproduce structural inequalities It has emerged from a growing community of designers in various fields who work closely with social movements and community based organizations around the world This book explores the theory and practice of design justice demonstrates how universalist design principles and practices erase certain groups of people specifically those who are intersectionally disadvantaged or multiply burdened under the matrix of domination white supremacist heteropatriarchy ableism capitalism and settler colonialism and invites readers to build a better world a world where many worlds fit linked worlds of collective liberation and ecological sustainability Along the way the book documents a multitude of real world community led design practices each grounded in a particular social movement Design Justice goes beyond recent calls for design for good user centered design and employment diversity in the technology and design professions it connects design to larger struggles for collective liberation and ecological survival *HCI International 2020 - Posters* Constantine Stephanidis, Margherita

Antona,2020-07-11 The three volume set CCIS 1224 CCIS 1225 and CCIS 1226 contains the extended abstracts of the posters presented during the 21st International Conference on Human Computer Interaction HCII 2020 which took place in Copenhagen Denmark in July 2020 HCII 2020 received a total of 6326 submissions of which 1439 papers and 238 posters were accepted for publication in the pre conference proceedings after a careful reviewing process The 238 papers presented in these three volumes are organized in topical sections as follows Part I design and evaluation methods and tools user characteristics requirements and preferences multimodal and natural interaction recognizing human psychological states user experience studies human perception and cognition AI in HCI Part II virtual augmented and mixed reality virtual humans and motion modelling and tracking learning technology Part III universal access accessibility and design for the elderly smartphones social media and human behavior interacting with cultural heritage human vehicle interaction transport safety and crisis management security privacy and trust product and service design The conference was held virtually due to the COVID 19 pandemic

New Frontiers of the Capability Approach Flavio Comim,Shailaja Fennell,P. B. Anand,2018-10-25 Leading scholars from a range of disciplines contribute to an inclusive discussion of the latest techniques and issues examined by the capability approach It will appeal to readers across academic backgrounds including development studies economics sociology education urban planning political science geography public policy and management

The Shortcut Nello Cristianini,2023-03-08 An influential scientist in the field of artificial intelligence AI explains its fundamental concepts and how it is changing culture and society A particular form of AI is now embedded in our tech our infrastructure and our lives How did it get there Where and why should we be concerned And what should we do now The Shortcut Why Intelligent Machines Do Not Think Like Us provides an accessible yet probing exposure of AI in its prevalent form today proposing a new narrative to connect and make sense of events that have happened in the recent tumultuous past and enabling us to think soberly about the road ahead This book is divided into ten carefully crafted and easily digestible chapters Each chapter grapples with an important question for AI Ranging from the scientific concepts that underpin the technology to wider implications for society it develops a unified description using tools from different disciplines and avoiding unnecessary abstractions or words that end with ism The book uses real examples wherever possible introducing the reader to the people who have created some of these technologies and to ideas shaping modern society that originate from the technical side of AI It contains important practical advice about how we should approach AI in the future without promoting exaggerated hypes or fears Entertaining and disturbing but always thoughtful The Shortcut confronts the hidden logic of AI while preserving a space for human dignity It is essential reading for anyone with an interest in AI the history of technology and the history of ideas General readers will come away much more informed about how AI really works today and what we should do next

On the Brink of Utopia Thomas Ramge,Rafael Laguna De La Vera,2024-04-30 A new and coherent framework for fostering the breakthrough innovations that we urgently need to confront our collective future We live in less innovative

times than we think Despite having made major technological advancements in a few areas we are still left with enormous unsolved challenges A radical shift in the culture of innovation is needed On the Brink of Utopia by authors Thomas Ramge and Rafael Laguna de la Vera and with a foreword written by Nobel Laureate Stefan Hell offers just that a new and coherent framework for fostering breakthrough innovations for human progress In their Innovation Leap Paradigm they present seven steps in seven chapters and answer three simple questions What great challenges need to be tackled Who makes tech leaps And finally what political economic and cultural environments foster radical innovation The authors sketch out a future in which technology will solve real problems anywhere from climate change and hunger to obesity and menstrual pain They envision a future in which biotechnologists work from a platform that enables them to develop effective drugs within months for any emerging virus where green energy will be too cheap to meter and aerial carbon can be transmuted into a valuable commodity at scale Offering a new perspective on innovation that centers not just American readers but also readers from all over the world On the Brink of Utopia is a hopeful and visionary book that reimagines the roles of innovators citizens governments and financial markets to foster innovation leaps that maximize the well being of the greatest number of people

Smart Cities Antoine Picon, 2015-11-16 As cities compete globally the Smart City has been touted as the important new strategic driver for regeneration and growth Smart Cities are employing information and communication technologies in the quest for sustainable economic development and the fostering of new forms of collective life This has made the Smart City an essential focus for engineers architects urban designers urban planners and politicians as well as businesses such as CISCO IBM and Siemens Despite its broad appeal few comprehensive books have been devoted to the subject so far and even fewer have tried to relate it to cultural issues and to assume a truly critical stance by trying to decipher its consequences on urban space and experience This cultural and critical lens is all the more important as the Smart City is as much an ideal permeated by Utopian beliefs as a concrete process of urban transformation This ideal possesses a strong self fulfilling character our cities will become Smart because we want them to This book opens with an examination of the technological reality on which Smart Cities are built from the chips and sensors that enable us to monitor what happens within the infrastructure to the smartphones that connect individuals Through these technologies the urban space appears as activated almost sentient This activation generates two contrasting visions on the one hand a neo cybernetic ambition to steer the city in the most efficient way and on the other a more bottom up participative approach in which empowered individuals invent new modes of cooperation A thorough analysis of these two trends reveals them to be complementary The Smart City of the near future will result from their mutual adjustment In this process urban space plays a decisive role Smart Cities are contemporary with a spatial turn of the digital Based on key technological developments like geo localisation and augmented reality the rising importance of space explains the strategic role of mapping in the evolution of the urban experience Throughout this exploration of some of the key dimensions of the Smart City this book constantly moves from the technological to the spatial

as well as from a critical assessment of existing experiments to speculations on the rise of a new form of collective intelligence In the future cities will become smarter in a much more literal way than what is often currently assumed

The Participant Christopher M. Kelty, 2020-01-21 Participation is everywhere today It has been formalized measured standardized scaled up network enabled and sent around the world Platforms algorithms and software offer to make participation easier but new technologies have had the opposite effect We find ourselves suspicious of how participation extracts our data or monetizes our emotions and the more procedural participation becomes the more it seems to recede from our grasp In this book Christopher M Kelty traces four stories of participation across the twentieth century showing how they are part of a much longer term problem in relation to the individual and collective experience of representative democracy Kelty argues that in the last century or so the power of participation has dwindled over time it has been formatted in ways that cramp and dwarf it even as the drive to participate has spread to nearly every kind of human endeavor all around the world The Participant is a historical ethnography of the concept of participation investigating how the concept has evolved into the form it takes today It is a book that asks Why do we participate And sometimes Why do we refuse

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Beyond Transparency Open Data And The Future Of Civic Innovation Introduction

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