SAPSED	SAPSEDNAME	CSO_Data CSO_Name	Pop02	Pop06	Pop11	ActC0211	PcC0211	ActC0611	PcC0611	MPop11	PcMPop11F	Pop11	PcFPop11	PPHU11	PPHU06	ActPPH06	PcPPH061 UnC
01001	001 Carlow Urban	1 Carlow Urban	4963	4605	4181	-782	-15.76	-424	-9.21	2130	50.94	2051	49.06	1805	1756	49	2.79
D1002	002 Graigue Urban	2 Graigue Urban	1702	1524	1272	-430	-25.26	-252	-16.54	654	51.42	618	48.58	550	605	-55	-9.09
D1003	003 Clonmore	3 Clonmore	461	530	560	99	21.48	30	5.66	280	50.00	280	50.00	188	174	14	8.05
01004	004 Hacketstown	4 Hacketstown	1026	1065	1091	65	6.34	26	2.44	579	53.07	512	46.93	384	356	28	7.87
01005	005 Haroldstown	5 Haroldstown	239	267	259	20	8.37	-8	-3.00	128	49.42	131	50.58	92	88	4	4.55
01006	006 Kineagh	6 Kineagh	287	309	327	40	13.94	18	5.83	154	47.09	173	52.91	121	104	17	16.35
D1007	007 Rahill	7 Rahill	393	585	662	269	68.45	77	13.16	334	50.45	328	49.55	240	207	33	15.94
D1008	008 Rathvilly	8 Rathvilly	700	802	838	138	19.71	36	4.49	423	50.48	415	49.52	313	275	38	13.82
01009	009 Tiknock	9 Tiknock	271	331	338	67	24.72	7	2.11	176	52.07	162	47.93	116	110	6	5.45
01010																	9.38
01011	011111a	Agha	266														6.04
01012		a Stori		937													13.40
01013	Dalo			480													18.47
01014																	15.08
01015																	5.82
01016																	25.53
01017																	7.58
01018																	34.17
01019																	15.73
01020																	32.26
01021	021 Clonegall	21 Clonegall															15.36
01022	Prot. Rob	KIICNIN															11.95
01023	023 Cranemore	23 Cranemore	724	893	1067	343	47.38	174		543	50.89	524					23.28
01024	Mavnooth	University Soc	ial Sc	ience	s Ins	titute	and	Depa	artme	nt of ²	Geog	raph	V 52.17				53.94
01025	025 Garryhill	25 Garryhill	594	578	589	-5	-0.84	11	1.90	301	51.10	288	48.90				3.26
01026																	31.36
01027	027 Johnstown	27 Johnstown	499	532	569	70	14.03	37	6.95	281	49.38	288	50.62	194	177	17	9.60
01028	029 Kollistown	20 Kollistown	Q.G.A	1025	1001	127	15.26	2./	2.20	516	51.55	485	48.45	335	322	13	4.04
01029											52.56	213	47.44	149	126	23	18.25
01030	-							1		4.	51.89	204	48.11	140	126	14	11.11
01031	T			1.1.1.1							49.58	181	50.42	110	96	14	14.58
01032	RAD	게 📑 Ma	ynooth	I Soc	cial		****		C	arc	50.83	766	49.17	562	495	67	13.54
01033	Att	🥠 💶 🔜 Uni	versity	Sci	ences		÷	*			50.77	318	49.23	220	221	-1	-0.45
01034	MX.V	X Nation	nal University	Inst	titute		**	* 1			51.14	1356	48.86	1017	895	122	13.63
01035			and Maynooth	n I			***		European Rese	earch Council	49.67	305	50.33	196	154	42	27.27
01036	oaca scori	es						· ·	Established by the Eu	ropean Commission	52.36	413	47.64	269	252	17	6.75
01037											50.44	282	49.56	179	151	28	18.54
01038	000 Natilalilla	So Natilalilla	111	120	114	5	2.70	-12	- - 3 .32	0.0	57.02	49	42.98	49	46	3	6.52

WORKSPACE Recording Available for 'Collecting in a Crisis: Rapid Response Web and Social he rapid response actions of digita Read mor

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Building data tools/infrastructure

All-Island Research Observatory (AIRO) 2005-2017

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Extensive work with local/regional authorities, Gov depts/agencies ROI & NI



Digital Repository of Ireland (DRI) 2009-2017 (PRTLI5, Gol) Trusted Digital Repository (TDR)

GLAM sector, RTE, universities



DISCOVER ORGANISATIONS MEMBERSHIP -ABOUT -TEAM -

Welcome to the DRI

The Digital Repository of Ireland is a national digital repository for Ireland's humanities, social sciences, and cultural heritage data. You can browse and search across multiple collections from some of the finest Irish institutions. These collections are safely preserved in the DRI. Please explore and



Featured Items



Recording Available - Archival



Scheme 2021 Winners



Collecting in a Crisis



Dublin Macoer

Dublin Apps

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SAPSEDNAME

CSO Data CSO Name

ActC0211 PcC0211 ActC0611 PcC0611 MPop11 PcMPop11 PcPop11 PcFPop11 PPHU11 PPHU06 ActPPH06 PcP

Critical Data Studies

- Relatively young interdisciplinary field
- Approaches data from a socio-technical perspective
- Asks social, political and ethical questions to uncover how and why data-driven systems are produced, what shapes them, and their consequences
- Interested in political, economic, governance, legal and ethical issues within data ecosystems, data assemblages, data lifecycles and data use



SAPSEDNAME

CSO Data CSO Name

ActC0211 PcC0211 ActC0611 PcC0611 MPop11 PcMPop11 PcPop11 PcFPop11 PPHU11 PPHU06 ActPPH06 PcP

Critical Data Studies: Focus

- Nature of data
- Their associated infrastructures
- Data practices, mobility and frictions
- Data discourses, imaginaries and valences

Pop02

- Data politics and power
- Data experiences, embodiment and affect
- Data ethics, justice and activism
- Data histories and geographies



Data Assemblage

System/process Performs a task	Context Frames the system/task								
Reception/operation	Systems of thought	Modes of thinking, philosophies, theories, models, ideologies, rationalities, et							
(user) usage)	Forms of knowledge	Research texts, manuals, magazines, websites, experience, word of mouth, Business models, investment, venture capital, grants, philanthropy, profit, o							
Interface	Finance								
Code/algorithms (software)	Political economies	Policy, tax regimes, incentive instruments, public and political opinion, etc.							
Data(base)	Governmentalities and legalities	Data standards, file formats, protocols, regulations, laws, licensing, IPR, etc.							
Code platform	Materialities and infrastructures	Paper/pens, computers, sensors, databases, networks, servers, buildings, etc.							
(operating system)	Practices	Techniques, ways of doing, learned behaviours, scientific conventions, etc.							
Material platform	Organisations and institutions	Corporations, government agencies, NGOs, universities, civil groups, etc.							
	Subjectivities and communities	Of data producers, curators, managers, analysts, politicians, users, citizens, et							
	Places	Labs, offices, field sites, data centres, business parks and their agglomeration							
	Marketplace	For data, their derivatives, analysts, analytic software, interpretations, etc.							

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Critical Data Studies: Methods

- Data ethnographies and autoethnographies
- Interviews and focus groups
- Data audits, archaeology and traces
- Historical analysis and genealogies
- Participatory methods
- Walking and walk-through methods
- Discursive analysis of documents
- Visualisation and mapping
- Arts-based methods
- Critical data science

James Ash • Rob Kitchin • Agnieszka Leszczynski

RESEARCHING DIGITAL LIFE

Orientations, Methods and Practice

CSO Data CSO Name

Programmable City project progcity.maynoothuniversity.ie





- Interested in unpacking the data assemblages of the smart city
- Along with examining issues such as data power, data politics, data ethics, data citizenship, data justice
- A number of related case studies focused on different smart city technologies/initiatives, such as intelligent transport systems, bikeshare, smart lighting, smart districts, standards
- And how these compare to each other and across places, e.g., with respect how citizen-centric they are











Dublin traffic system data assemblage







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Form and Leve	l of Participation	Role Citizen Involvement		Political discourse/ framing	Modality	Dublin Examples	
	Citizen Control	Leader/ Member	Ideas, Vision,	Rights, Social/Political		Code for Ireland, Tog	
Citizen Power	Delegated Power	Decision-maker, Maker	Leadership, Ownership, Create	Citizenship, Deliberative Democracy, Commons	Inclusive, Bottom- up, Collective, Autonomy, Experimental	Civic Hacking, Hackathons, Living Labs, Dublin Beta	
	Partnership	Co-creator	Negotiate, Produce			Dubini Deta	
	Placation	Proposer	Suggest	Participation, Co- creation		Fix-Your-Street, Smart Dublin Advisory Network	
Tokenism	Consultation	Participant, Tester	Feedback			CIVIQ, Smart Stadium	
	Information	Recipient		Civic Engagement	Top-down, Civic Paternalism.	Dublinked, Dublin Dashboard, RTPI	
		Resident	Browse, Consume, Act		Stewardship,	Smart building/Smart district	
Consumerism	Choice	Consumer		Capitalism, Market,		Smart meters	
		Product		Neoliberalism		Personal data generated by tech	
Non-Particination	Therapy	Patient, Learner,	Steered, Nudged,	Stewardship,		Smart Dublin, Dublin Bikes	
	Manipulation	Data-point	Controlled	Paternalism		Traffic control	

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CSO Data CSO Name

ActC0211 PcC0211 ActC0611 PcC0611 MPop11 PcMPop1: FPop11 PcFPop11 PPHU11 PPHU06 ActPPH06:

Building City Dashboards project

dashboards.maynoothuniversity.ie



- Creating city dashboards for Dublin and Cork
- Technical and data challenges, inc. data quality
- User-centred design
- Politics and praxes of dashboards, critically reflecting on city dashboards re.:
 - epistemology
 - scope and access
 - veracity and validity
 - usability and literacy
 - use and utility
 - ethics
- Posed as six questions designed to expose the *politics* and *praxes* of city dashboards
- Heuristic for examining other data-driven technologies







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CSO Data CSO Name

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How are insight and value derived from city dashboards?

Epistemology

- Dashboards rely on visual analytics
- Adopt a realist epistemology
- Urban data are neutral, value-free, objective, essential in nature
- When analysed in similarly objective ways reveal the truth about cities
- From a CDS perspective, however, data are produced not collected, and dashboards:
 - are not neutral, commonsensical tools; constitute a sociotechnical data assemblage
 - act as translators and engines, rather than mirrors
 - are reductive, atomizing complex, contingent relationships
 - decontextualizes a city







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How comprehensive and open are city dashboards?

Scope and access

- Dashboards process and display quantitative data that are generated recurrently so can be tracked over time/space
- Enormous amount of information about cities absent
- Ignores the metaphysical aspects and intangibilities of urban life
- Significant gaps and silences in the data that are displayed
- Level of openness and access varies across administrations and places
- Access to data a significant issue in the building city dashboards
- Even when data are available there are often issues related to data measurement, data formats and media, metadata, data standards, modes of sharing



CSO Data CSO Name

Fracturing effects of political geography

Fractured data landscape

- With respect to geography
 - Scalar organisation local, county, regional, state, federal
 - Back-to-back services and planning across municipalities
 - Mismatch of functional territories and administrative geographies

With respect to stakeholders

- Within municipalities, across municipalities, with public sector agencies, industry, universities, NGOs, community organisations
- Different goals, resources, practices, institutional structures, funding models, etc.









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Data CSO Name

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To what extent can we trust city dashboards?

Veracity and validity

- Data quality
- Instrument and human error and bias;
- Abstraction, representation, generalisation and calibration
- Data shaped by technical instruments of varying specification and parameters, handling procedures, scientific norms and standards, scientist behaviour and organisational processes
- Often published without metadata re. measurement, sampling frame, handling, veracity (accuracy, fidelity), uncertainty, error, bias, reliability, calibration, lineage



Pop02

Veracity of urban big data

01007													
01008	Hyperdimension		Source			[Data				Metadata		
01009 01010 01011 01012 01013 01014 01015	Data	Sustainability/ Reliability Status	Transparency and interpretability	Privacy	Fidelity	Cleanliness	Completeness	Coherence	Metadata availability	Changes over time	Standardisation	Methodological transparency	Relevance
01016 01017 01018 01019	Public transport GPS location	Good	Fair	Poor re. drivers, good re. public	Fair	Fair	Good	Good	Fair	Fair	Good	Good	Good
01020 01021 01022 01023	Public transport at stops (bus, tram and train) – RPTI	Fair	Not ready	Good	Fair	Good	Good	Fair	Fair	Good	Fair	Not ready	Good
01024 01025 01026 01027	Travel time/Roadway traversal time	Fair	Good	Good	Fair	Good	Not Ready	Fair	Fair	Good	Fair	Fair	Fair
01028	Car park spaces	Fair	Good	Good	Good	Good	Not ready	Fair	Fair	Fair	Good	Fair	Not ready
01029 01030	Inductive loop counters	Good	Good	Good	Good	Good	Not ready	Good	Not Ready	Good	Good	Good	Good
01031	Flight locations	Good	Good	Good	Good	Good	Fair	Good	Good	Good	Good	Good	Good
01032 01033	Flight arrivals/ departures	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good	Good	Good
01034 01035 01036	Marine vessel location	Good	Good	Good	Good	Good	Fair	Good	Good	Good	Good	Good	Fair
01037	Bikeshare	Fair	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Not ready	Fair
01038	CCTV cameras	Fair	Fair	Fair	Good	Good	Not ready	Poor	Fair	Good	Fair	Good	Poor

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To what extent can we trust city dashboards?

- Veracity and validity
- P Data quality
- Instrument and human error and bias; abstraction, representation, generalisation and calibration
- Data shaped by technical instruments of varying specification and parameters, handling procedures, scientific norms and standards, scientist behaviour and organisational processes
- Often published without metadata: measurement, sampling frame, handling, veracity (accuracy, fidelity), uncertainty, error, bias, reliability, calibration, lineage
- Appropriateness of the method used and other methodological issues
- Validity of the analysis and interpretation
- Rarely are the algorithmic black-boxes exposed so that calculations are open to scrutiny
- There are issues such as MAUP and other ecological fallacies that shape interpretation



Data CSO Name

How comprehensible and useable are city dashboards?

Usability and literacy

- Assumption: enable urban data to be explored and analyzed in an easily digestible and intuitive way without the need for specialist skills or knowledge
- There are three practical issues navigation of site, use of tools, and data/analytics literacy
- Sometimes not at all clear how to display data, change data layers, perform analysis, interact with data
- Data and analytic literacy is highly variable
- Affect use and utility







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What are the uses and utility of city dashboards?

Use and utility

Used in three main ways:

- for monitoring performance and managing urban services;
- for contextually understanding and formulating policy;
- for creating public knowledge and producing counternarratives

Can be used:

- tactically (e.g., for delaying a strategy, substitute for action, deflect criticism)
- symbolically (e.g., to provide reassurance or place promotion)
- politically (e.g., to support a particular position)
- If the data within them are open they can help facilitate and promote an open data economy
- There's a politics to how deployed and used

	LEGEND < I (FOLLOW UP)	ITYSCC	RE		LAST UPDATED 4/6/2016		
	= I (MAINTAINING) > I (EXCEEDING)	MAYOR MARTIN J. WALSH					
	and the second se	DAY	WEEK	MONTH	QUARTER		
	STABBINGS (TREND)	2.50	1.17	1.61	1.58		
	LIBRARY USERS	1.81	1.82	1.71	1.67		
	PART I CRIMES	1.80	1.36	1.34	1.40		
t	ON-TIME PERMIT REVIEWS	1.28	1.14	1.15	1.12		
	MISSED TRASH ON-TIME %	1.25	1.25	1.25	1.22		
	PARKS MAINTENANCE ON-TIME %	1.25			0.92		
	SIGN INSTALLATION ON-TIME %	1.25	1.22	1.14	1.07		
	TREE MAINTENANCE ON-TIME %	1.25	1.25	1.19	1.17		
	SIGNAL REPAIR ON-TIME %	1.20	1.12	1.09			
	BFD INCIDENTS	1.16	1.04	1.11	1.29		
	EMS INCIDENTS	1.06	1.01	1.03	1.07		
	EMS RESPONSE TIME		1.05	1.03	1.03		
	POTHOLE ON-TIME %	0,99			0.91		
	BFD RESPONSE TIME				0.94		
	3II CALL CENTER PERFORMANCE			0.97			
	CONSTITUENT SATISFACTION SURVEYS				0,93		
	STREETLIGHT ON-TIME %						
	BPS ATTENDANCE		0.97	0.96	0,97		
	GRAFFITI ON-TIME %		1.16	1.18	1.19		
	HOMICIDES (TREND)			4 60	4 4 8		



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CSO Data CSO Name

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How can we ensure that city dashboards are used ethically?

Ethics

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Privacy

- Ownership & control
- Data markets, surveillance capitalism
- Social sorting, redlining, geodemographics
- Predictive profiling and anticipatory governance
- Nudge
- Data security

Control creep





TACTICAL AMBIGUITY rear-view mirror heat map TACTICAL CLARITY forward-looking PredPol boxes



Pop06 Pop11

Data Stories project datastories.maynoothuniversity.ie





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- Focusing on property, planning and associated demographic & financial data
- These are central to:
 - government policy and legislation
 - media discourses and public perception
 - corporate investment strategies
 - NGO advocacy work and activities
- Yet relatively little close, *critical* attention has been paid to such data
 - how they are generated, managed, shared, transformed and used
 - their associated data politics

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CSO Data CSO Name

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Pop06 Pop11

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Property and planning data ecosystem

Planning Development plans, zoning, permissions, enforcements, etc.

Stock

Numbers, type, floor area, beds, amenities, site size, energy, vacancy, dereliction, obsolescence, etc.

Land

Land use, coverage, conditions, ownership

Household/population demographics Size, composition, economic status, migration, etc.

Housing/development finance Loans, mortgages, interest rates, taxes, grants, etc.

Housing management (LAs/landlords) Stock, tenants, payments, maintenance, etc.

Construction activity Units, commencements, stage, etc.

Employment and materials Workers, apprenticeships, courses, building supplies

Market activity and conditions House prices, rental prices, transaction volumes, rates valuations, land values, landlord/tenant numbers, evictions, etc.

Homelessness; direct provision; refugee accommodation; **Traveller accommodation;** student residences; nursing homes

Housing actors Agencies, developers, AHBs, landlords, realestate, banks, etc.

Contextual factors Infrastructure, services

Phase 1: Mapping the planning and property data ecosystem



Planning system at planning authority level

Strategic

(pre-development)

- RA: Regional Spatial and Economic Strategies
- RA: Metropolitan Area Strategic Plans
- LA: County Development Plan
- LA: Local Area Plans
- Environmental Report
- Natural Impact Report (NIR)
- Strategic Flood Risk Assessment (SFRA)
- Area Based Transport Assessment (ABTA)
- Statement of Character (SoC) for Architectural Conservation Area (ACA)
- Habitats Survey and Green Infrastructure Mapping
- Surface Water Management Study
- Urban Regeneration Framework
- Social Infrastructure Audit (SIA)
- Settlement Capacity Audit (SCA)
- Housing Need Demand Assessment (HNDA)

Development & Control

(development pipeline)

- Planning permissions
- Appeals
- Building control

Enforcement & Compliance (post development)

- Inspection
- Retention
- Legal enforcement

Planning IT systems and data flows





Plus full data dictionary

opened/occupied before FSC granted SAPSED SAPSEDNAME

Pop02

Audit example (reverse engineered from reports/website)

Title	Description	Rights	Creator	Source	Contributor		Coverage			Identifier(s)	
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Variable	Description	Method Open/Closed	Generator (e.g.,	Source system (e.g., BCM)	S) or raw data	Cleaner/Transformer	Statistical Geography	From	То	Frequency	
number of people living in private rented sector	"The number of persons		CSO (Quarterly N	lational Household Survey	- QNHS), daft.ie		Dublin/outside Dubli	Q2 2007	Q2 2017	quarterly	Savills - 2017.12 - Shifting Ov
number of households in private rented sector	"The number of persons		CSO (Quarterly N	lational Household Survey	- QNHS), daft.ie		national				Savills - 2017.12 - Shifting Ov
number of dwelling units in private rented sector			CSO (Quarterly N	lational Household Survey	- QNHS), daft.ie		national	Q2 2007	Q2 2017	quarterly	Savills - 2017.12 - Shifting Ov
average size of privately rented household	number of people		CSO, Savills Rese	arch		Savills Research	national	Q4 2007	Q2 2017	quarterly	Savills - 2017.12 - Shifting Ov
number of people renting from private landlord			Census				national	2011	2016		Savills - 2017.12 - Shifting Ov
number of investment units owned outright			CSO (Quarterly N	lational Household Survey	- QNHS), daft.ie, CSO, CBI		national	Q2 2012	Q2 2017	quarterly	Savills - 2017.12 - Shifting Ov
investment units owned with a performing mortgage			CSO (Quarterly N	lational Household Survey	- QNHS), daft.ie, CSO, CBI		national	Q2 2013	Q2 2018	quarterly	Savills - 2017.12 - Shifting Ov
investment units owned with non-performing mortgage			CSO (Quarterly N	lational Household Survey	- QNHS), daft.ie, CSO, CBI		national	Q2 2014	Q2 2019	quarterly	Savills - 2017.12 - Shifting Ov
average number of persons per household	derived data - number of pe	ersons in private rental s	derived data - se	e description		Savills Research					Savills - 2017.12 - Shifting Ov
number of occupied private rental sector units	" The number of occupied					Savills Research					Savills - 2017.12 - Shifting Ov
number of vacant private rental sector properties	derived data - "the		daft.ie - derived	data - see description		Savills Research					Savills - 2017.12 - Shifting Ov
total number of units in private rental sector	achieved through: number of	of PRS households + nur	daft.ie			Savills Research	Dublin/outside Dubli	Q2 2007	Q2 2017	quarterly	Savills - 2017.12 - Shifting Ov
private rental sector vacancy rate	"The PRS vacancy rate is						national	Q2 2007	Q2 2017	quarterly	Savills - 2017.12 - Shifting Ov
% (proportion) of Ireland's population living in private rented accomodation	1		Savills Research				national	Q2 2007	Q2 2017	quarterly	Savills - 2017.12 - Shifting Ov
vacancy rates in private rented sector	"The vacancy rate is simply t	the number of vacant PF	Savills Research,	CSO (Quarterly National Ho	ousehold Survey - QNHS), d	Savills Research	Dublin/outside Dubli	Q2 2007	Q2 2017	quarterly	Savills - 2017.12 - Shifting Ov
natural vacancy rate (NVR)	mathematical calculation -										Savills - 2017.12 - Shifting Ov
total number of Buy-to-Let mortgages			Central Bank of I	reland				Q2 2012	Q2 2017	quarterly	Savills - 2017.12 - Shifting Ov
total number of Buy-to-Let mortgages in areers			Central Bank of I	reland Data			national	Q2 2012	Q2 2017	quarterly	Savills - 2017.12 - Shifting Ov
number of private rental sector units owned outright by investors	calculated by taking total nu	umber of F									Savills - 2017.12 - Shifting Ov
number of performing buy to let mortgages	calculated by doing the follo	owing calculation (total	number of buy-to	o-let mortgages - number of	f buy-to-let mortgages in a	rears) ^ 4 (https://pdf.	euro.savills.co.uk/irel	and-resea	rch/shiftir	g-ownershi	Savills - 2017.12 - Shifting Ov
number of private rental sector units owned outright by investors	"Source: Savills Research ba	ised on CBI, CSO, Daft.ie	CBI, CSO, Daft.ie			Savills Research		Q2 2012	Q2 2017	quarterly	Savills - 2017.12 - Shifting Ov
% change in private ownership units by ownership	"Source: Savills Research ba	ised on CBI, CSO, Daft.ie	CBI, CSO, Daft.ie			Savills Research		Q2 2013	Q2 2018	quarterly	Savills - 2017.12 - Shifting Ov
average rental yield			Daft.ie, CBI, inve	sting.com				Q3 2017		quarterly	Savills - 2017.12 - Shifting Ov
bond and deposit rates			Daft.ie, CBI, inve	sting.com				Q3 2017		quarterly	Savills - 2017.12 - Shifting Ov
number of prime country home international buyers	"Using the Property Price										Savills - 2023 - Prime Countr
number of prime country home cash buyers	"Using the Property Price										Savills - 2023 - Prime Countr
number of prime country home sales	"Using the Property Price		Savills Research,	Property Price Register				2018	2022	annually	Savills - 2023 - Prime Countr
value of prime country home transactions	"Using the Property Price		Savills Research,	Property Price Register				2018	2022	annually	Savills - 2023 - Prime Countr
profession of prime coutry home transations	"Using the Property Price										Savills - 2023 - Prime Countr
age of prime country home buyers	"Using the Property Price										Savills - 2023 - Prime Countr
buyers' intention of prime country house use	"Using the Property Price		Savills Research,	Property Price Register							Savills - 2023 - Prime Countr
prime country house transactions by county	"Using the Property Price Re	egister data, we examin	ed prime				county	2022		annually	Savills - 2023 - Prime Countr
net household saving deposits			Central Bank of I	reland (quarterly bulletin N	lo. 4 (2021)						Savills - 2021 Winter - Prime
mortgage rates											Savills - 2021 Winter - Prime
average house price inflation			CSO				region			quarterly	Savills - 2021 Winter - Prime
average annual value of country home sales	"Using Property Price		Property Price R	egister, Savills Research			national	2010	2018	annually	Savills - 2019.04 - Country Ho
annual labour costs	"Indeed, any significant		CSO				national			annually	Savills - 2021 Winter - Prime
	line to and Development	The doctoint and the station	Cen	ala 7 Chudant Ascorrege	-						Saville 2021 Wintor Drimo

LEGEND KEY:

Consistent Methodology

No Data Collected

Table 2: Details of Performance Measurement Indicator Changes, 2014-19

India	ator	2014	2015	2016	2017	2018	2019
HI	Social Housing Stock						
T	Number of dwellings provided by local authorities						
2	Number of dwellings in the ownership of local authorities at start of year						
3	Number of dwellings directly added (i.e., constructed or purchased) by local authorities to housing stock						
4	Number of dwellings in the ownership of local authorities at year-end						
5	Number of social housing dwellings in local authorities at year-end				_		
6	Number of directly provided (i.e., constructed or purchased) social housing dwellings in the ownership of local authorities at year-end						
7	Number of local authority owned dwellings sold in year						
8	Number of local authority owned dwellings demolished						
9	Number of local authority owned dwellings planned for demolition under D/HLGH approved scheme						
HZ	Housing Vacancies						
10	Percentage of local authority owned dwellings vacant at year-end						
H3	Average Re-letting Time and Costs						
11	Time taken (weeks) from the date of vacation of a dwelling to the date in year when a new tenancy had commenced in the dwelling, averaged across all dwellings re-let in that year						
12	Cost expended (€) on getting dwellings re- tenanted ready for re-letting, averaged across all dwellings re-let in that year						
H4	Housing Maintenance Cost						
13	Expenditure (€) during year on the repair and maintenance of housing bought or built by local authorities complied on a continuous basis from I January to 31 December in that year, divided by the number of directly provided dwellings in the local authority stock at year-end						

Break in Methodology

Local Authority National Performance Indicator Trend Report, 2014-2019 (6 years) 87 sub-indicators, only 43 for all years Housing 18 sub-indicators, 9 for all years, 4 not altered

Number of original consistent indicators 2014-2019 and still in use	Number of original modified indicators 2014-2019 and still in use	Number of original indicators discontinued during period	Number of new indicators introduced during period and still in use	Number of new indicators introduced during period modified and still in use	Number of new indicators introduced but discontinued during period	Total
Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	
43	6	2	23	ш	2	87
49%	7%	2%	26%	13%	2%	100%

ndic	ator	2014	2015	2016	2017	2018	2019
H5	Private Rented Sector Inspections						
14	Number of registered tenancies in local authorities						
15	Number of rented dwellings inspected by local authorities						_
16	Percentage of inspected dwellings that were non-compliant with Standards Regulations						
7	Number of non-compliant dwellings that became compliant						
H6	Long-term Homeless Adults						
18	Number of adult individuals in emergency accommodation that are long-term (i.e., 6 months or more within the previous year) homeless as a percentage of the total number of homeless adult individuals in emergency accommodation at year-end						

Phase 2 **Producing Data Stories**

12 Case studies

- Interviews
- Walk-through observation ۲
- Ethnographies
- **Research-creation**
- 3 data stories per case study



Data Story 2. Creative Writer/Artist

5

'But I'm not actually behind with my rent right now, am I?'



'I'm afraid you're three days late. This

is the third month in a row you've been late. In that sense you're a risk to the City and there are others on the housing waiting list who deserve citysupported housing."

'So, you're going to evict us because of what some bullshit algorithm thinks might happen?'

'That's one way of looking at it.'

'One way! It's the only way. I've a wife and three kids. Where are we meant to go?'

'That is your issue, Mr Jenkins. There are a wide variety of other housing options in the city from short term and long-term private rental through to home ownership."

'And homelessness!'

We don't tolerate homelessness. Mr.Jenkins



Data Story 3. Stakeholder team





Dublin Housing Observatory data assemblage



https://airomaps.geohive.ie/DHO/



Infrastructure and services (Geodirectory) Transport Education locations Health services Amenities Other (CSO, Census) Household tenure, type, composition Vacancy Year built Heating, water supply Population density Social deprivation (POBAL) Principal economic status Family cycle stage Nationality and ethnicity Market conditions RTB rental index (RTB) RTB market profile (RTB) HAP payments (DSP) Property price index (PRSA) Local property tax bands (Revenue)

Construction activity (LAs) Completions Planning permissions grants PP under consideration





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01035

SAPSEDNAME

CSO Data CSO Name

Conclusion

• Data systems are socio-technical in nature

Pop02

- Their constitution, operation and effects are contingent, relational and contextual
- They are full of data politics and power, and they produce diverse outcomes
- We need to be mindful of such socio-technical contingencies when
 - designing, operating and evaluating such systems
 - formulating and enacting governance, regulation and policy
 - imagining future developments

Producing data stories is a means to surface and rethink such contingencies

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