



**UNIVERSITY OF LEEDS**

This is a repository copy of *Not just a number? NEETs, data and datalogical systems*.

White Rose Research Online URL for this paper:

<http://eprints.whiterose.ac.uk/110598/>

Version: Accepted Version

---

**Article:**

Thornham, HM [orcid.org/0000-0003-1302-6579](https://orcid.org/0000-0003-1302-6579) and Gómez Cruz, E (2018) Not just a number? NEETs, data and datalogical systems. *Information, Communication and Society*, 21 (2). pp. 306-321. ISSN 1369-118X

<https://doi.org/10.1080/1369118X.2017.1279204>

---

(c) 2017, Informa UK Limited, trading as Taylor & Francis Group. This is an Accepted Manuscript of an article published by Taylor & Francis in *Information, Communication and Society* on 23 January 2017, available online:  
<https://doi.org/10.1080/1369118X.2017.1279204>

**Reuse**

Items deposited in White Rose Research Online are protected by copyright, with all rights reserved unless indicated otherwise. They may be downloaded and/or printed for private study, or other acts as permitted by national copyright laws. The publisher or other rights holders may allow further reproduction and re-use of the full text version. This is indicated by the licence information on the White Rose Research Online record for the item.

**Takedown**

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing [eprints@whiterose.ac.uk](mailto:eprints@whiterose.ac.uk) including the URL of the record and the reason for the withdrawal request.

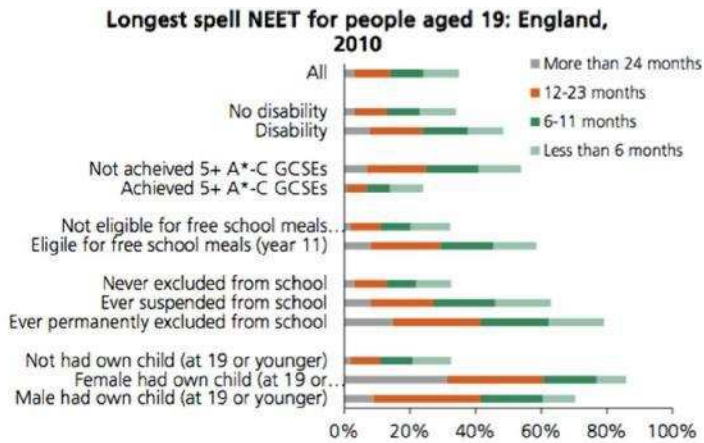


[eprints@whiterose.ac.uk](mailto:eprints@whiterose.ac.uk)  
<https://eprints.whiterose.ac.uk/>

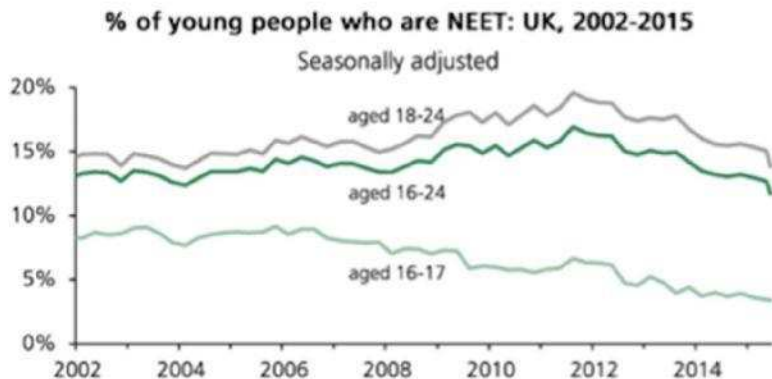
**Not Just a number? NEETs, data and datalogical systems**

Journal:	<b><i>Information, Communication and Society</i></b>
Manuscript ID	RICS-2016-0264.R1
Manuscript Type:	Original Article
Keywords:	data, NEET, datalogical, metrification, youth

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60



Delebarre, J (2015) NEET: Young People Not in Education, Employment or Training. House of Commons Briefing Paper no. 06705. [www.parliament.uk/commons-library](http://www.parliament.uk/commons-library) Accessed 15 February 2015)



Source: ONS, Young People Not in Education, Employment or Training (NEET), <http://www.ons.gov.uk/ons/rel/lms/young-people-not-in-education--employment--or-training--neets--/november-2015/index.html> November 2015, and ONS, Labour Market Statistics, <http://www.ons.gov.uk/ons/rel/lms/labour-market-statistics/november-2015/index.html>

## Not Just a number? NEETs, data and datalogical systems

This paper draws on empirical research with NEET populations (16-24 year olds not in education, employment or training) in order to engage with issues around identification, data and metrics produced through datalogical systems. Our aim is to bridge contemporary discourses around data, digital bureaucracy and datalogical systems with empirical material drawn from a longterm ethnographic project with NEET groups in Leeds, UK in order to highlight the way datalogical systems ideologically and politically shape peoples lives. Taken together, our research raises some pertinent questions about the politics of datalogical systems that are used to measure and capture experiences and activities of certain populations in particular ways and that generate normative and ideological behavioural standards and practices

Keywords: data, datalogical system, NEET, metrification

Words: 7989

Correspondence:

Helen Thornham

[h.thornham@leeds.ac.uk](mailto:h.thornham@leeds.ac.uk)

[edgar.gomez@rmit.edu.au](mailto:edgar.gomez@rmit.edu.au)

2 .06 Clothworkers North

School of Media and Communication

University of Leeds,

LS2 9JT

Helen Thornham is an Associate Professor at the University of Leeds. She is involved in a number of research projects investigating practices in digital media that are funded by the EPSRC, ESRC and British Academy is the author of *Ethnographies of the Videogame: Narrative, Gender and Praxis* (2011) and co-editor of *Renewing Feminisms* (2013) and *Content Cultures* (2014) . Her research focuses on gender and technological mediations, data and digital inequalities, embodiment, youth, space, place, and communities.

Edgar Gómez Cruz is a Research Fellow at RMIT, Melbourne. He has published widely on a number of topics relating to digital culture, ethnography, and photography. His recent publications include *From Kodak Culture to Networked Image. An Ethnography of Digital Photography Practices* (2012) and *Digital Photography and Everyday Life: Empirical Studies in Material Visual Practices* (2016, with Asko Lehmuskallio) . Current research investigates screen cultures and creative practice, which is funded through RCUK and Vice Chancellor research grants.

## Not Just a number?<sup>i</sup> NEETs, data and datalogical systems

### Introduction

This paper draws on empirical research with NEET populations (16-24 year olds not in education, employment or training) in the UK in order to engage with issues around identification, data and metrics produced through datalogical systems. Our aim is to bridge contemporary discourses around data, digital bureaucracy and datalogical systems with empirical material drawn from a long-term ethnographic project with NEET groups in Leeds, UK. The paper draws on ethnographic material for richness and depth, and in this sense the ethnographic material is additional, rather than substantive to our argument. Similarly, although we focus on the UK, the project from which this empirical material is drawn is international and we find many comparison and resonances across the globe (see [www.communitiesandculture.org.uk](http://www.communitiesandculture.org.uk)). Indeed, our central concern is to address how populations — NEET or otherwise, national or international — are increasingly positioned by digital systems that make obfuscated decisions about them that have huge impact on their lives.

In what follows, we sketch an argument that firstly seeks to understand NEET as data and as having utility within datalogical systems before addressing the implications of this on the lives of NEETs and on the potential for disruption. We suggest that conceptualising NEETs as data, and as generated by datalogical systems reveals new insights into the ways that datalogical systems ideologically and politically shape peoples lives. Taken together, our research raises pertinent questions about the politics of datalogical systems that are used to measure and capture experiences and activities of demographics in particular ways and that through this also generate normative and ideological practices.

### NEETs and Us

Our work with NEET groups was part of a wider UK and international research project that investigated the digital transformations of communities and culture.<sup>ii</sup> The empirical material represented in this article comes from one of six 'case studies' across the UK that engaged with the digital by default initiative — four of which focused on 'marginal' groups (rural, unemployed, NEET, aged). This means that our findings as whole emerge from across the six projects within this theme, although the examples are specific to our project. We worked with two NEET groups on a number of digital media projects that each spoke to different elements of the digital by default agenda in conjunction with two different third sector organisations in Leeds. The first organisation was Studio12,<sup>iii</sup> a media production facility for young people with disadvantaged backgrounds. Here we started with a broad and disparate group of walk-in

URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@tandf.co.uk](mailto:ics@tandf.co.uk)

1  
2  
3 young adults who came into the studio to learn creative (usually music) digital skills. As the  
4 project developed, we began to work closely with three individuals (19-22yrs) on creative  
5 digital projects that detailed their experiences of being NEET.<sup>iv</sup> Our role here was primarily as  
6 participant observers, and we went to the studio every week for workshops and were engaged  
7 in an intensive filming schedule over 3 months of the summer of 2013. During this time we  
8 kept field notes, we recorded the summary discussions each day, we interviewed the  
9 participants, organizers and facilitators, and we analyzed the material they produced during  
10 their filming and discussed the material with them (interviews, script, photos, music). The  
11 second organization, Space2,<sup>v</sup> engages NEET individuals through a wider array of arts and  
12 creative methods. Here we worked with a group of 12 NEET individuals<sup>vi</sup> between the ages of  
13 18-24 over a three-year period (2012-15) on a range of different digital and creative projects  
14 that each tool between 3 and 8 months. They created a film and a website about their  
15 experiences of being NEET, but they also wrote blogs and plays, interviewed councilors and  
16 job centre spokespeople, staged protests, and created voxpops and other forms of UGC. Here  
17 we were also participant observers, meeting the group every week to observe and talk to them  
18 about their projects. Each stage of the project started and finished with groups and individual  
19 interviews undertaken by the facilitators, but we also kept fieldnotes which we shared with the  
20 participants and facilitators, and recorded workshop sessions. We interviewed the facilitators,  
21 and recorded a reflective conversation with them each week; we discussed and analyzed the  
22 material produced by our participants with them each week.  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34

35 The particular approach we used in our research can be encapsulated by Pink et al.'s (2015)  
36 concept of 'digital ethnography', which is situated in the politics and principles of reflexivity,  
37 participation, and observation but is also attuned to the (digital) mediatory elements of digital  
38 culture (2015, p.3). Underpinning this approach is, of course, a wider corpus of research that  
39 has used ethnographic methods to research everyday mediations and experiences, such as what  
40 Rose, Degen, and Basdas have called a 'walk-along method' (2010, p.340) - observing,  
41 interviewing, reflecting and asking our participants to do the same (see also Rose 2012,  
42 Walkerdine 2007, Horst & Miller 2012). This means that while the two projects explicitly  
43 detailed here have depth and richness, their significance (in terms of data) comes from their  
44 contribution to the wider project. The final caveat to note here is that although our central  
45 engagement with these groups is ethnographic, this paper is intended as a critical reflection on  
46 the politics of data and how datalogical systems have ideological, political and methodological  
47 implications we need to consider. While it emerges from ethnographic research then, the  
48 experiences recounted here are used as springboards for a critical discussion, which is the  
49 purpose of this paper.  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

### NEETs as Data

The category of NEET is a contentious one across Europe (see Bynner and Parsons 2002, Inui 2005, Lunsing 2007) not least because it homogenizes a very disparate group of 14 million 'young people'<sup>vii</sup> across Europe (Bynner and Parsons 2002, Blake & Sutton-Hamilton 2015), but also because of the policy background (Maguire and Rennison 2005) which works to isolate and distinguish NEETs from other unemployed status and puts them perpetually 'at risk' or as 'high risk' (Yates and Payne 2006, Bynner and Parsons 2002). The category of NEET accounts for people aged between 16-24 who are not in employment, education or training, and perhaps most crucially distinguishes them from the broader category (and subsequent 'benefits') of being a 'job seeker'. NEETs 'may be young parents, have learning difficulties or disabilities, or a history of offending. They will already be receiving support from local services, but need a package of help aimed specifically at returning to work or learning.' (DFE 2010: 1). Other NEETs outside this categorisations may 'lack' aspiration, have 'behavioural issues' or an 'inability to travel independently', which variously positions them within this category (ibid.). In 2015, the NEET category constituted just under 60% of 'unemployed' 16-24 year olds in the UK (the remaining 40% are in educations or training and therefore not classed as NEET (Delebarre 2015: 3). The first issue to note here, of course, is that each of these signifiers for the NEET categorisation are generated through metrics — through particular algorithms that aggregate particular 'indexed' and 'attributable' data into powerful and meaningful categories (Kitchin 2014, p.115). As suggested by the Department for Education (DoE, 2010), the NEET category initially aggregates metrics such as age, educational qualifications (and duration of time within educational establishments), dependents, mental and physical disabilities, geographic location: NEET is a data aggregation, a metric, a quantification: it flattens and identifies several different specific/subjective identities and values them in particular ways. It is devised through a datalogical system of metrification and measurement, and it functions within and beyond the datalogical systems in which it is generated. The second issue is that the category of NEET — as data or as a data aggregation - has traction beyond the initial system of measurement: NEET is also a powerful data bundle(s) in other sophisticated systems: they feed into and generate new dynamic systems of measurement through the addition of other data (that can increasingly be gathered from a distance, as big data) (see Dodge and Kitchin 2005, p.857, Cheney-Lippold 2011, p.165). Again, as suggested by the DoE, the initial NEET data aggregation is further substantiated with 'bigger' data (such as that pertaining to mobility on a national and international scale, immigration statistics, gender, OECD data, ethnicity) and 'smaller' data (educational qualification, free school meals, marital status of parents, substance abuse) (Delebarre 2015, p4-11).

[insert graphs]

Positioned in this way, we need to understand the NEET categorisation as part of a wider discourse around big data as well as part of a long-term global trend towards metrification and bureaucratisation. Indeed, we can think of NEET as a particular regime of visibility, whereby certain populations are made visible within certain 'political technologies', and can generate meaning as long as they operate within those structures (see Foucault 1977, p.205). One way to acknowledge this is not only in relation to the category of NEET as data (which we return to below), but also in relation to the project itself - which is equally complicit in promoting and acknowledging the values, affordances and metrics that constitute the NEET categorisation. Indeed, the NEET status made our participants visible to the community organisations with whom we worked through their contact with job centres, schools and colleges, social workers. It was what enabled them to walk through the door of Studio 12 at a time when the workshops were running. In the case of Space2, NEET groups are identified by social services and educational establishments in the first instance: they are also highlighted to Space2 within a local data ecology through, for example Space2's own database that has deep knowledge of particular communities in Leeds (Seacroft, Gipton, Harehills). This local data ecology mapped onto bigger data through local council and job centre referrals, social worker or probation officer referrals (notably, through the 'Youth Contract', see Delabarre 2015, p.11). Within this system individuals are a name, and age and a geographic location: but their inclusion within the system is what signifies them as NEET. It was this status that made these demographics available in terms of the time and location of the workshops, in a way that was a recognised and meaningful activity by social workers and the job centre. It was what enabled them to undertake a range of qualifications whilst engaging in the project, and it was what enabled them to get childcare, travel tokens and food whilst at the workshops. Whilst some of these outcomes unevenly and indirectly relate to their identification as NEET, it is nevertheless this initial process of measurement and labelling that frames this entire process.

### **NEETs and Datalogical Systems**

The process of categorising NEETs and indeed the process of including them on the research projects is generated by, what David Graeber has termed 'mechanical organization' (2015, p.164) - digital and technological bureaucratic systems whose purpose is to create and maintain 'social relations' (ibid. p.163, see also Cheney-Lippold 2011, p.167). In the examples offered above, social relations are explicitly engineered through the metrics that constitute individuals as NEET. Once they agree to participate - either in our research project,



1  
2  
3 or indeed in other activities within the organisations, their status as NEET continues to frame  
4 conditions of engagement, modes of behaviour as well as the power relations between the  
5 NEET individual and the facilitators. It was really clear within the Studio12 project, for  
6 example, that participants were expected to be respectful, polite, to productively contribute:  
7 there were established rules of behaviour that were written along the organisational power  
8 relations. We could think of this in line with scholars such as Foucault (1977) or Althusser  
9 (1971), and in terms of processes of interpellation or self-disciplining. Seen here, NEET is  
10 also a form of, to draw on the work of Roger Burrows, 'quantified control' (2012, p.356)  
11 whereby metrification increasingly generates conditions of behaviour not necessarily in  
12 straightforward or transparent ways, but in terms of contributing to a structure that sustains  
13 these 'regimes of behaviour' through the establishment of an interrelated mesh of power  
14 relations in a digital bureaucratic ecology (e.g. creating the NEET category, creating the  
15 community arts organisations, systems of funding, metrics that recognise success). It was also  
16 clear that behaviour within a workshop was also measured, noted, counted in particular ways  
17 that fed back into wider datalogical systems.<sup>viii</sup> Unexplained absence, for example, was an  
18 easy metric that signified elsewhere (it was flagged to social workers or probation officers, it  
19 was taken up at the job centre in their weekly visit). Facilitators noted behaviour within the  
20 workshop, struggles with mental health issues, financial, or family difficulties. In other  
21 words, the workshops noted, and contributed to (but did not counter) the values and  
22 measurements of NEET data.  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33

34  
35 If the NEET category framed a range of social conditions, it is also important to note how the  
36 data generated within the workshops further 'disciplined' or conditioned NEET individuals,  
37 beyond the workshops themselves then. Indeed, an important point to note in this paper (and  
38 an issue we will return to) is that datalogical structures are dynamically adaptive — they are  
39 both in a constantly fluid state and adaptively responsive. They generate information and  
40 have the capacity to build in response to that information.<sup>ix</sup> They are self-referential and self-  
41 legitimating (partly because of the necessary obfuscation of the system see Berry 2014) and  
42 although the human element responds to the system, it responds to (through interaction with)  
43 the human environment (see Clough et al. 2015, p.7). This means not only that the datalogical  
44 structures and systems are self-referential and durable (to use Latour's term 1990); it also  
45 means that the frameworks for measurement and value are forged in the system 'itself' and  
46 increasingly, in the era of digital bureaucracy, impenetrable by human agents. This is less  
47 about metrification per se, then, but about how the datalogical systems are built along  
48 existing inequalities around who can input data, what data is valued or measured, how data is  
49 aggregated etc.  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

1  
2  
3 During the three years of the Space2 project, we had many instances where data generated by  
4 a range of powerful agents (including Space2, but also job centre employees, social workers,  
5 youth workers etc) produced decisions that impacted on the NEET individuals in terms of  
6 sanctions, dis/enrollments on training schemes or apprenticeships, home visits etc. In one of  
7 the more extreme cases, one woman had her two young children taken from her and put into  
8 social care. The decision behind this process was based on aggregated data inputted into the  
9 datalogical system by a range of organisations and people within a local data ecology. While  
10 a range of organizations and individuals (Space 2, her social worker, her youth worker)  
11 attempted to intervene on her behalf, it was clear that the decision was one that was firmly  
12 located in the datalogical system itself: it was impenetrable, unquestionable and  
13 unimpeachable. The important issue for the purposes of this article, then, is how little  
14 (human) resistance or intervention is possible— either for those supposedly in a position of  
15 power within the system (social workers, community arts workers, youth workers) or those  
16 subjected by it (the NEETs themselves).  
17  
18  
19  
20  
21  
22  
23  
24  
25

26 The point in recounting this is to indicate that even though we often discuss data and datalogical  
27 systems in abstract ways that render them relatively benign, it does not take much empirical  
28 work to unpack the power dynamics at play here. Indeed if we consider the wider discursive  
29 construction of both data and datalogical systems, this argument is further substantiated. As  
30 noted at the start of this article, there has been a wider shift in contemporary culture towards  
31 data, big data and open data and many scholars have critiqued the popular discursive  
32 construction of data as 'a priori' to information, bias, value (Drucker 2011, p.1) that is reiterated  
33 in an era of big data and digital bureaucratic systems (Graeber 2015). The powerful discursive  
34 construct is that data is 'fact' (Gitelman & Jackson 2013, p.6), 'self-evident', 'the fundamental  
35 stuff of truth itself' (ibid. p.2), when it is actually interpretive, constructed within existing power  
36 relations, and relative (see also boyd and Crawford 2012, Mayer-Schönberger & Crukier 2013,  
37 Dodge and Kitchin 2005). This means, in a similar vein to contemporary arguments around big  
38 data and predictive analysis (see van Dijck 2013, Kennedy et al 2015, Andrejevic 2011),  
39 complying with systems of measurements that may feel benign or unconnected, or making  
40 visible certain discrete activities or actions actually have broader political, social and  
41 ideological consequences that we need to critically consider.  
42  
43  
44  
45  
46  
47  
48  
49  
50

51 Furthermore, when we add the discursive construct of data to wider constructions of smart  
52 systems, we have a double convolution of transparent and truthful data within a system that is  
53 conceived of as 'anticipatory' (Berry 2014), 'dynamic' (van Dijck 2013), 'networked' (boyd  
54 2014): as 'smart' (Shepard 2011). These are all terms that seek to elucidate the way that  
55 decision-making processes are increasingly automated within datalogical systems that are also

56  
57  
58 URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@tandf.co.uk](mailto:ics@tandf.co.uk)  
59  
60

1 normatively being accepted as illegible (see also Webster 2014, p.244; Berry 2014, p.14). Of  
2 course, as Graeber reminds us, this is not in and of itself new, but should be seen as part of a  
3 long term trend towards digital bureaucratization (2015, p.150, see also Strathern 2000).  
4 What has shifted in recent years is the discursive value of the data-driven system: the trust in  
5 data, big data and datalogical systems over other metrics, and the increasing digitalisation of  
6 existing bureaucratic systems that render those systems even more impenetrable and  
7 inscrutable (see also Mayer-Schönberger & Cruquier 2013:78). Taken together, this adds to the  
8 impenetrability of the system, and further constructs the automated decisions of that system  
9 as beyond reprehension or interrogation, positioning all human agents (not just the NEETs) if  
10 not subject to, and positioned by, the datalogical system, then at least as less agential or  
11 powerful than the system. Ultimately then, we may talk about machine learning or dynamic  
12 systems in relatively benign ways - as smart systems that 'iteratively evolve' a dataset  
13 (Kitchin 2014, p.103) to 'predict' and 'optimise outcomes' (Han et al. 2011). But when these  
14 outcomes are located in everyday power dynamics and experiences, their benign quality  
15 becomes increasingly difficult to sustain.

### 22 23 24 **NEETs as neoliberal self-disciplining and responsible subjects**

25 If the sections above elucidate how the category of NEET operates within a wider  
26 dataological system that is both big (data) and small (data), here we want to explore the  
27 materialisation of this in discursive and everyday encounters. This is partly to expand on the  
28 concept of a 'disciplined' or 'quantified' subject (Foucault 1977, Burrows 2012), but it is also  
29 to note that the ideological and discursive construction of data as noted above, resonate well  
30 beyond the datalogical systems to which they refer — into everyday encounters and value  
31 systems. Indeed, many scholars have highlighted how the disciplinary effects of the regimes  
32 and datalogical systems have gained traction producing, amongst other things, a positive  
33 discourse around safety, individual responsibility and surveillance (see Holmwood 2010,  
34 2011, Strathern 2000, Dodge & Kitchen 2005). As Burrows notes, in a digital bureaucratic  
35 system, part of the rationale for this has been a broader shift from regimes of trust, to those of  
36 accountability (Burrows 2012, p.357) and in terms of the NEET individuals, we see this  
37 rhetoric materialise in a number of ways.

45  
46  
47 On the one hand the discursive implications of NEET as data position the NEET individuals as  
48 within (but not agents of) the systems that subject them. NEET underpins (but does not  
49 necessarily critique) existing discourses on (for example) youth culture.<sup>x</sup> Seen here, the  
50 quantification of the category of NEET is equally important as underpinning discursive trope,  
51 as it is a powerful data aggregation. NEET overlays the discursive categories of youth - as a  
52 'liminal' and 'transitional' (see Hodkinson 2007, Bennett 2007, Buckingham 2002, Maguire  
53  
54 URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@tandf.co.uk](mailto:ics@tandf.co.uk)

1  
2  
3 and Rennison 2005) - with discourses of disadvantage and neoliberalism (for example), to  
4 conceptually promote the idea of NEET in increasingly negative terms - as 'conceptually  
5 connected to a locus of disadvantage' (Yates & Payne: 2006, p.330), but also conversely as  
6 ultimately responsible for their own NEET status.  
7  
8

9  
10 The most visible example of this double convolution is perhaps around the contemporary notion  
11 of the 'benefit cheat' in the UK, perhaps exacerbated somewhat by reality television dramas  
12 such as Benefit Street (Ch4 2014), which we discussed with the NEET participants during the  
13 workshops. The popular notion of the benefit cheat is underpinned by wider policy changes in  
14 the UK around universal credit and housing benefit<sup>xi</sup> and through government campaigns  
15 urging people to 'do the right thing' and using the language of 'benefit cheats'<sup>xii</sup>. It not only  
16 makes NEET and unemployed status highly visible in the popular and policy imaginary, it is  
17 also embroiled in a language of individualism, responsibility and accountability which positions  
18 those on benefits as not only responsible for their own social status, but as 'playing' the system  
19 for self-serving purposes. This sense of accountability that was used as critique of NEETs  
20 became visible to us during the research through the everyday experiences the workshop  
21 participants recounted: taxi driver who made a point of criticizing them for coming to the  
22 workshop on 'account' (paid for by Space2 or Studiol2); shop keepers, who commented on the  
23 quality of food the NEETs were buying or on how much they were spending; bus drivers who  
24 refused to 'recognise' the token systems utilized by the community organization in conjunction  
25 with Leeds council and the travel companies (who made the NEETs pay cash); café workers  
26 who commented on their presence. Every week, it seemed that each individual had experienced  
27 something that subjected him or her to particular power relations, rendering them (justifiably)  
28 upset, hostile and angry as a consequence:  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39

40  
41 'she [the taxi driver] told me I was taking the piss and that if I could afford a fancy  
42 new phone I must be earning somehow'

43  
44 'He [shop worker] wouldn't serve me. He looked right through me. He said I was  
45 being 'ignorant' coz I was messenging. He was like 'nice phone' you know, like  
46 knowingly.'

47  
48 'She [shop worker] was totting up all the things I was buying and then looking me up  
49 and down like 'how could I afford this?'

50  
51 'She [shop worker] was like 'ooh you're eating well tonight'. What a bitch.'

52  
53 'He [bus driver] told me that if I was going all the way across Leeds I should pay for  
54 it myself.'

55 URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@tandf.co.uk](mailto:ics@tandf.co.uk)  
56  
57  
58  
59  
60

1  
2  
3 'She [woman in the street] was like, 'oooh it's alright for some'. Like just because I'm  
4 on benefits I should be shopping in Primark or something' [on her 3 year old dressed  
5 in a 'Gap' sweater]  
6

7 'I might as well have a big fucking sign on my head'  
8  
9

10  
11 While the quotes cited here are suggestive of perceptions of everyday encounters (they are  
12 very subjective) they nevertheless highlight a number of pertinent issues: the visible status of  
13 NEET as an identity category; the way other signifiers (mobile phones, amount of money,  
14 mobility across the city) frame interpretation of their status; the general hostility by people  
15 who are perceived as more powerful by the NEETs; the range and scope of such reactions; or  
16 the mundane and everyday nature of them.<sup>xiii</sup>  
17  
18  
19

20  
21 For the purposes of this article, however, there are two issues we want to specifically note  
22 here. The first is to relate the discussions around NEET as data to these discursive encounters  
23 to suggest that we need to acknowledge the way datalogical systems are giving these  
24 discursive encounters more visibility (to the NEETs themselves and to us). At the same time,  
25 the workshop participants were also recounting very familiar instances here which eludes to  
26 the wider popular discourses of youth culture as well as more contemporary discourses of  
27 NEETs as visible populations (see also Hodkinson 2007, Buckingham 2002, Livingstone  
28 2009). In other words, these extracts highlight a complex enmeshing of a range of datalogical  
29 and discursive, digital and everyday issues. At the same time, and as noted above, what has  
30 shifted in recent years is the discursive valuing of the data-driven systems that enable them to  
31 underpin wider popular discourse in new ways. Seen here, trust in data, in datalogical systems,  
32 in wider digital bureaucratic systems confirms normative and discursive opinion and has  
33 resulted in an easy elision between normative consensus and the values of the datalogical  
34 system (see also Berry 2014, p.14, Mayer-Schönberger & Cukier 2013, p.78). Or, to offer a  
35 more forceful interpretation: the values of the datalogical systems that have become widely  
36 normative. Indeed as Cheney-Lippold has argued, one of the notable changes in a digital era is  
37 the way that 'algorithmic identities' have been seemingly constituted at a distance from politics  
38 — formed in the datalogical systems via metrics, rather than overtly within systems of  
39 governance. For Cheney-Lippold, this convolution means that algorithmic identities (another  
40 way to think of the NEET categorisation) seem to have been 'removed from civil discourse via  
41 the proprietary nature of many algorithms' (2011, p.165) when in fact the converse is true. The  
42 convolution enables an 'unprecedented ubiquity' in terms the reach and power of the system 'to  
43 surveil and record data about users', while masking this in an apolitical and benign claim  
44 around data as transparent, unbiased and fact (ibid.).  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

1  
2  
3 The second issue is to locate the discursive encounters more firmly within wider neoliberal  
4 policies of accountability and responsibility (see Burrows 2012) through specific recourse to  
5 the digital by default agenda in the UK.<sup>xiv</sup> This agenda resonates across Europe<sup>xv</sup> and aims to  
6 move all public service delivery online to create a single portal for government digital  
7 services. The objective in the UK is to achieve 'efficiency' and 'cost-effectiveness' in the  
8 delivery of public services in the digital age and to initiate a new mode of interaction and  
9 communication with the public. The government is using a number of illustrative examples to  
10 make a (positive) case that the digital by default initiative enables users to take more  
11 'responsibility' for their wellbeing in alignment with the 'Big Society' vision of the last  
12 coalition government. <sup>xvi</sup> It employs a language of individualism, accountability and  
13 responsibility, and uses a commercial model of service provision that constructs the user as a  
14 consumer of the system (see also [project reports]. While we don't have the scope here to  
15 enter into a deeper discussion of this initiative ([see project reports], what is notable for the  
16 purposes of this article is the way the initiative collapses together the discourses and  
17 structures of datalogical systems discussed here, with 'infrastructures of contemporary  
18 capitalism' (Burrows & Savage 2014, see also Gane 2012) that also to an extent 'mimic' the  
19 market in terms of the construction of the user of the system as both a consumer and a user  
20 (see also Burrows 2012, p.357).

21  
22  
23  
24  
25  
26  
27  
28  
29  
30 Indeed, as many scholars have noted (Holmwood 2010, 2011, Strathern 2000, Dodge &  
31 Kitchen 2005) we should see the shifting of responsibility and accountability onto the  
32 individual as part of a longer neoliberal process that has filtered through both policy and  
33 popular discourse (see also Bunyan 2012, Garrett 2009). Ken Jones (2011) has noted, for  
34 example, the steady proliferation of neoliberal ideologies since the New Labour government  
35 (1997-2010) that have experienced a revival across a range of sectors including welfare,  
36 education, employment (2011, p.81). What was notable from our project and the wider UK  
37 wide research in which the project also figured (see [website], however was  
38 how transparently this discourse of accountability was critiqued as an overt mask for the  
39 withdrawal of welfare and state provision and a dodging of governmental responsibility  
40 through the expectation that community initiatives will replace the welfare state (see [project  
41 reports]).

#### 51 **NEETs and waste data**

52 The final point we want to make in this article in relation to NEET as datalogical, is that  
53 'visibility' within the data-driven systems is valued very unevenly. It is, as Kitchin suggests,  
54 the 'variables that have the most utility' that are the most visible (2014, p.101). Data 'depend  
55 on hierarchy' (Gitelman & Jackson 2013, p.8); they are 'correlated' in particular ways to  
56  
57  
58 URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@tandf.co.uk](mailto:ics@tandf.co.uk)  
59  
60

1  
2  
3 construct particular value (Mayer-Schönberger & Cruquier 2013, p.70). This means, as we  
4 have discussed above, that in the operationalization of the NEET category, certain values and  
5 measurements signify more than others. More significant here and following this, as Bucher  
6 argues (2012), is that in a system of visibility and value, it actually the threat of 'invisibility'  
7 that becomes the powerful and generative force, not least because it renders non-valuable (in  
8 terms of the logics of the system) action and intervention immeasurable, insignificant and  
9 obsolete (2012, p.1171). Indeed, as we shall see below, immeasurable actions or values within  
10 particular data-driven and digital systems subject the NEET groups to particular decisions of  
11 the digital system that shape how they live. Job applications that do not utilise the appropriate  
12 digital platform; communication with social workers or parole officers that is not conducted  
13 through the required process; changes in habitation or employment status that are not logged  
14 appropriately all become invisible, non-accountable. These actions become 'waste' or 'raw'  
15 data — unaccountable, unvalued or invisible information, that usually result in the NEET  
16 individual getting sanctioned.  
17  
18  
19  
20  
21  
22  
23  
24  
25

26 These issues constantly emerged during workshop sessions, when NEET individuals recounted  
27 their frustration with powerful agents within the various systems that actively constituted them  
28 as NEET. Here, the overt power relations were always recognised but what was noticeable  
29 from the discussions, was the technology and the datalogical system was understood as being  
30 positioned within these power structures. If we take a common example: The participants in  
31 our projects attended weekly sessions at the Job Centre where they were held accountable for  
32 their job applications each week. Each individual had to apply for between 8-15 jobs a week  
33 depending on a range of metrics (previous successes, employment history, length of time out  
34 of work, dependents etc), and each week their applications were logged and discussed. This in  
35 itself understands the process of job seeking, and the support for job seeking in particular  
36 ways, but the major issue for the purposes of this paper, was when NEET individuals did not  
37 utilise the required job centre platform for applications. The participants of our projects rarely  
38 used the job centre platform for job application because the majority of them did not have  
39 access to a PC or laptop (use within public libraries is limited to 10-15 minutes, libraries  
40 themselves have different opening times because of funding cuts and changes to staffing).  
41 Similarly, although the job centre does have a mobile app, our participants told us it was not  
42 useable because it often lost applications midway through the process, it was clunky and  
43 difficult to navigate, the search criteria was different, and it didn't have the most recent jobs.  
44 This meant that mobile job seeking apps like Monster, Ladders, or Switch were preferred. On  
45 the one hand, this should make no difference to the process of job hunting: the Job Centre  
46 should note any application on any app or platform. In practice  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

1  
2  
3 however, only job applications made through the Job Centres own portals were easily and  
4 automatically logged by the datalogical system:  
5  
6

7 C.'s supervisor told her there was no record of her applying for jobs that week, so she  
8 would be sanctioned. C. told her supervisor she had applied for jobs on Monster on  
9 her phone. Her supervisor told her it was 'bad practice' to use her phone to apply for  
10 jobs. C. told her supervisor it might be 'bad practice' but it was legal. The supervisor  
11 told C. to stop being rude or she'd be sanctioned. Her supervisor told C. she should  
12 use a PC and if necessary come back to the job centre every day, which would  
13 demonstrate her commitment to finding employment. When C. pulled out her phone  
14 to show supervisor her job applications on Monster, her supervisor said 'can't you  
15 read the notice, no mobile phones in here' and sanctioned her for behaviour: C.  
16 sanctioned for 3 months.  
17  
18  
19  
20  
21  
22  
23

24 In the extract above — taken from our fieldnotes - the values and metrics of the datalogical  
25 system unevenly filter through a range of other discourses and discussions. On the one hand a  
26 job seeker can use any app to apply for a job, but on the other hand mobile phones within job  
27 centres are not permitted. In the end, C. was sanctioned, not overtly because her applications  
28 were invalid, but because of her behaviour during the (social, cultural and data) encounter.  
29 Her behaviour was turned into (particular) data within a system in which she was multiply  
30 subjected. She cannot input data; she is positioned by the data; she is held accountable for  
31 that data, but has little agency over the constitution of data. At the same time, none of her  
32 applications that week were logged into the system — which would have required a different  
33 discussion with her supervisor than the one recounted here: one that followed the  
34 programmed script during job centre encounters. The fact this script was not followed, or that  
35 her job applications were not looked at, also means pretty definitively (but of course not  
36 absolutely) that her jobs were not logged that week. This constructs a different digital  
37 'narrative' of the encounter that the one offered by C. during our workshop.  
38  
39  
40  
41  
42  
43  
44  
45  
46

47 If we consider this example in terms of 'waste' or raw data, and the subsequent digital  
48 'narrative', then a number of issues are notable. First, C. did not apply for her quota of jobs. No  
49 data was inputted into the system in relation to this - although her behaviour was noted which  
50 means she is 'counted' here as an absence (of job searches) and a presence (of 'poor'  
51 behaviour). Indeed as Bowker suggests, if it 'is not being measured, it doesn't exist' (Bowker  
52 2013, p.170) — and this is a pertinent reminder of the power of the datalogical system that  
53 needs inputted information for decision making processes. This means that data is generative  
54 and has traction beyond the initial system of measurement (as we saw in previous sections). It  
55  
56  
57  
58  
59  
60

URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@fandf.co.uk](mailto:ics@fandf.co.uk)



1  
2  
3 also means that, as Bucher notes (2012) data also create 'silences' (Bowker 2005, p.11-12) as  
4 well as the 'absences of relations' (Kitchin 2014b, p.22, see also Vis 2013), which are also  
5 meaningful in the system. Indeed, to put it crudely, as Gitelman and Jackson remind us, if we  
6 have 'other' data, 'one would come to different arguments and conclusions' (Gitelman &  
7 Jackson 2013, p.'7).

8  
9  
10  
11  
12 More than this, though, is the fact that any possibility that C. did apply for jobs is removed  
13 from the explanation of the algorithmic decision making processes. By comparison with the  
14 'clean' data that is automatically generated through a job search on the registered platform,  
15 the 'raw' data needs sorting, translating and inputting by a human agent who is, when set  
16 against these discursive signifiers of big data and datalogical systems, conceived as slower,  
17 less dynamic, less neutral or objective than the system (see also Pybus et al. 2015, Kennedy  
18 et al. 2015). Taken together, this means not only that C. did not apply for her job quota  
19 according to the datalogical system; it also means than any suggestion to the contrary is  
20 found in the human explanations of the encounter. At the same time, and as we have been  
21 arguing throughout this paper, as our faith in the 'neutrality', 'autonomy' and 'objectivity' of  
22 data (Gitelman & Jackson 2013, p.2) grows, our faith in the human is diminishing (see also  
23 Clough 2015) so that this is not simply a matter of two alternative explanations for an  
24 encounter. Instead there is already an uneven value at work here that is locating agency and  
25 power within the digital system.  
26  
27  
28  
29  
30  
31  
32  
33

### 34 35 **Datalogical Systems and Us**

36 This article has argued that conceptualising NEETs as data, and as generated by datalogical  
37 systems reveals new insights into the ways that datalogical systems ideologically and  
38 politically shape peoples lives. Such systems are far from benign, and when considered within  
39 contemporary political — and global - shifts — such as those encapsulated by the digital by  
40 default agenda, or those highlighted by the discourses of 'big data' — reveal tangible power  
41 relations that hugely effect peoples lives.  
42  
43  
44  
45  
46

47 At the same time, the issues discussed in this article are also revealed to be part of a long-term  
48 trend towards (digital) bureaucratisation, neoliberalism, and individualism and the article has  
49 sought to reveal this by locating what can be quite abstract discussions of data and datalogical  
50 systems within empirical material and everyday experiences. Seen here, the relevance of NEETs  
51 for this paper is that as data, and in a similar vein to other identity categories that carry political  
52 or ideological weight (we might think of age, class, geography, immigration categories etc)  
53 NEET is enacted through different systems (datalogical, social, cultural, political) that are each  
54 variously entwined with the datalogical. On the one hand this is not

55  
56  
57  
58  
59 URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@tandf.co.uk](mailto:ics@tandf.co.uk)  
60

1  
2  
3 new, but what has shifted in recent years, and as we have noted throughout this article is the  
4 value of the data-driven system: the trust in data as neutral and a priori to fact; the trust in  
5 datalogical systems as objective decision making processes that are better informed and  
6 increasingly predictive (particularly in the advent of big data); and the increasingly  
7 digitalisation of bureaucratic systems that are increasingly impenetrable and inscrutable.  
8  
9

10  
11 Taken together, and as many scholars cited in this article have noted, this adds to the  
12 impenetrability of the system, and raises pertinent issues around our ability to question,  
13 interrogate or intervene into these systems. But the final issue to consider here relates to what  
14 this means more specifically for us as digital researchers, who are both positioned by these  
15 processes and systems, but have also been complicit in such systems for some time. Indeed  
16 data, big data and datalogical systems are 'an established presence in our everyday cultural  
17 lives' (Beer 2015, p.2) and, as we argued earlier in this article, if we are to critique the politics  
18 of data and datalogical systems, we also need to recognise how we are also implicated into a  
19 politics we purport to critique through our methods. In the context of this article, these politics  
20 emerged in the decisions about demographics and how they were constituted, as well as  
21 through conceptual alignments with the category of NEET that is equally operationalized (not  
22 always with critique) in datalogical systems and wider research. Indeed, as Clough et al. have  
23 noted, 'the datalogical has always haunted the sociological project' (2015, p.4).  
24  
25  
26  
27  
28  
29  
30  
31  
32

33 Continuing this line of thought, researchers also promote certain identity signifiers that  
34 aggregate and afford particular value in the pursuit of 'representative' or meaningful research  
35 and this means to a certain extent that the processes critiqued in relation to big data and  
36 datalogical systems where the 'variables that have the most utility' (Kitchen 2014, p.101) are  
37 those most valued, are precisely those we are also employing in our own epistemological and  
38 ontological pursuits. Similarly, just as big data works to efface or obscure the power relations  
39 behind these processes of aggregation, so we write out these politics in our narration of the  
40 events: and it is precisely this process that has prompted the wider discussion of the 'crisis' for  
41 empirical research (Burrows and Savage 2014, Clough 2015, Clough et al. 2015 see also  
42 Bassett 2016, Sterne 2015).  
43  
44  
45  
46  
47  
48  
49

50 In the end, then, the politics of data that are revealed here as having much wider resonance  
51 beyond a datalogical system, demand that we also consider and question our own roles in the  
52 long-term normative constitution of data. This is necessary if we are to move beyond a simple  
53 acknowledgment that datalogical systems and values are normatively shaping social and  
54 discursive experiences, and instead seek interventions that move us beyond our own  
55

56 URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@tandf.co.uk](mailto:ics@tandf.co.uk)  
57  
58  
59  
60

1  
2  
3 complicity in being primarily and ultimately reconfigured through the values of that  
4 datalogical system.  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15

16 Bibliography:

17 Althusser, L (1971) *Lenin and Philosophy and Other Essays*. London. Verso

18 Andrejevic, M. (2011) 'The work that affective economics does', *Cultural Studies* 25  
19 (4-5): 604-620.

20 Bassett, C. (2016, forthcoming) *What Perec Was Looking For: Notes on Automation,*  
21 *the Everyday, and Ethical Writing*. Unpublished paper: 1-27

22 Beer, D. (2015) *Productive Measures: Culture and Measurement in the Context of*  
23 *Everyday Neoliberalism in Big Data and Society* 2(1) DOI:  
24 10.1177/2053951715578951 [bds.sagepub.com](http://bds.sagepub.com)

25 Bennett A (2007) *As young as you feel: youth as a discursive construct*. In: Hodkinson  
26 P and Dieke W (eds) *Youth Cultures: Scenes, Subcultures and Tribes*. London:  
27 Routledge: 23-37.

28 Berry, D. (2014) *Post-Digital Humanities: Computation and Cultural Critique in the*  
29 *Arts and Humanities Educause* 49(3): 22-26

30 Blake, G & Sutton-Hamilton, C. (2015) *Young Lives NEET Research*. Young Lives  
31 Leeds. Young Lives Bradford.  
32 <http://yourconsortium.org/Young%20Lives%20Leeds%20NEET%20Research%20PDF%20Nov%202015.pdf> (9 February 2016)

33 Boellstorff, T. (2013). *Making big data, in theory*. *First Monday*, 18(10)  
34 doi:10.5210/fm.v18i10.4869  
35 <http://firstmonday.org/ojs/index.php/fm/article/view/4869/3750> (15 January  
36 2016)

37 Bowker, G (2013) 'Data Flakes' in Gitelman, L. (ed) *Raw Data is an Oxymoron*.  
38 Cambridge Mass. MIT Press: 167-173

39 Bucher, T (2012) 'Want to be on the Top? Algorithmic Power and the Threat of  
40 Invisibility on Facebook' in *New Media and Society* 14:7: 1164-1180

41 Bunyan, P. (2012) *Partnership, the big society and community organizing: between*  
42 *romanticizing, problematizing and politicizing community*. *Community*  
43 *development journal*, 48 (1), 119-133. □

44 Burrows, R. (2012) *Living with the H-Index. Metric Assemblages in the Contemporary*  
45 *Academy*. *The Sociological Review*, 60:2: 355-372.  
46 URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@tandf.co.uk](mailto:ics@tandf.co.uk)

- 1  
2  
3 Burrows, R & Savage, M (2014) After the Crisis? Big Data and the Methodological  
4 Challenges of Empirical Sociology' in Big Data and Society: 1-6 DOI:  
5 10.1177/2053951714540280 [bds.sagepub.com](http://bds.sagepub.com)  
6
- 7 Bynner, J. & Parsons, S (2002) 'Social Exclusion and the Transition from School to  
8 Work: The Case of Young People Not in Education, Employment or Training  
9 (NEET) in Journal of Vocational Behavior 60, 289-309  
10
- 11 Clough, P.T (2015) In the Aporia of Ontology and Epistemology: Towards a Politics of  
12 Measure in S&F Online [http://sfonline.barnard.edu/feminist-media-theory/in-](http://sfonline.barnard.edu/feminist-media-theory/in-the-aporias-of-ontology-and-epistemology-toward-a-politics-of-measure/)  
13 [the-aporias-of-ontology-and-epistemology-toward-a-politics-of-measure/](http://sfonline.barnard.edu/feminist-media-theory/in-the-aporias-of-ontology-and-epistemology-toward-a-politics-of-measure/) (10  
14 February 2016)  
15
- 16 Clough, P; Gregory, K; Haber, B; Scannel, R. J (2015) The Datalogical Turn.  
17 Unpublished Article. 1-26 accessed at:  
18 [https://www.academia.edu/5986819/The\\_Datalogical\\_Turn](https://www.academia.edu/5986819/The_Datalogical_Turn) (2 December 2015)  
19
- 20 Cheney-Lippold, J. (2011) A new algorithmic identity: Soft biopolitics and the  
21 modulation of control. Theory, Culture & Society, 28: 164-181  
22
- 23 Delebarre, J (2015) NEET: Young People Not in Education, Employment or Training.  
24 House of Commons Briefing Paper no. [06705. www.parliament.uk/commons-](http://www.parliament.uk/commons-library)  
25 [library](http://www.parliament.uk/commons-library) Accessed 15 February 2015)  
26
- 27 Department for Education (2010) What Works: re-engaging young people who are not  
28 in education, employment or training (NEET?) Young people Analysis  
29 Division.  
30 [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/182022/DFE-RR065.pdf)  
31 [182022/DFE-RR065.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/182022/DFE-RR065.pdf) (9 February 2016)  
32
- 33 Dodge, M & Kitchin, R (2005) 'Codes of Life: identification codes and the machine-  
34 readable world' in Environment and Planning D: Society and Space 23:6: 851-  
35 81  
36
- 37 Foucault, M (1977) Discipline and Punish: The Birth of the Prison. Penguin Books.  
38 London  
39
- 40 Furlong, A. (2006) 'Not a Very NEET Solution: Representing Problematic Labour  
41 Market Transitions among Early School Leavers.' Work Employment and  
42 Society 20 (3) doi:10.1177/0950017006067001,. 553-569.  
43  
44
- 45 Gane, N., (2012), Max Weber and Contemporary Capitalism, Palgrave. Basingstok  
46
- 47 Garrett, P.M. (2009) Transforming children's services? social work neo-liberalism and  
48 the 'modern' world. Maidenhead. Open University Press/McGraw Hill.  
49 Education.  
50
- 51 Gitelman, L. (2006) Always Already New: Media, History and the Data of Culture.  
52 Cambridge Mass. MIT Press  
53
- 54 Gitelman, L. & Jackson, V. (2013) 'Introduction' in Gitelman, L (ed.) Raw Data is an  
55 Oxymoron. Cambridge Mass. MIT Press: 1-15  
56 URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@tandf.co.uk](mailto:ics@tandf.co.uk)  
57  
58  
59  
60

- 1  
2  
3 Graeber, D. (2015) *The Utopia of Rules: On Technology, Stupidity and the Secret Joys*  
4 *of Bureaucracy*. Melville House. London  
5
- 6 Han, J., Kamber, M. & Pei, J. (2011) *Data Mining: Concepts and Techniques*. 3<sup>rd</sup>  
7 Edition. Morgan Kaufmann. Waltham, MA  
8
- 9 Hine, C (2015) *Ethnography for the Internet: Embodied, Embedded and Everyday*.  
10 London. Bloomsbury  
11
- 12 Hodkinson P. (2007) Youth cultures: a critical outline of key debates. In Hodkinson P.  
13 and Dieke W. (eds) *Youth Cultures: Scenes, Subcultures and Tribes*. London:  
14 Routledge, 1-23.  
15
- 16 Holmwood, J., (2010), 'Sociology's misfortune: Disciplines, interdisciplinarity and the  
17 impact of audit culture', *British Journal of Sociology*, 61:4. 639-658. □  
18
- 19 Holmwood, J., (2011), 'TRACkEd and FECKed: How audits undermine the arts,  
20 humanities and social sciences', *Exquisite Life: Research Blogs*,  
21 [http://exquisitelife.researchresearch.com/exquisite\\_life/2011/03/tracked-and-](http://exquisitelife.researchresearch.com/exquisite_life/2011/03/tracked-and-fucked-how-audits-undermine-the-arts-humanities-and-social-sciences.html)  
22 [fucked-how-audits-undermine-the-arts-humanities-and-social-sciences.html](http://exquisitelife.researchresearch.com/exquisite_life/2011/03/tracked-and-fucked-how-audits-undermine-the-arts-humanities-and-social-sciences.html) (15  
23 February 2016)  
24
- 25 Horst, H & Miller, D eds. (2012) *Digital Anthropology*. London. Berg  
26
- 27 Inui, A. (2005) Why Freeter and NEET are misunderstood: recognizing the new  
28 precarious position of Japanese Youth *Social Work and Society* 3(2), 244-251  
29
- 30 Jones, K. (2011) 'Democratic creativity' in Sefton-Green, et al. *The Routledge*  
31 *international handbook of creative learning*. London: Routledge, 81-90  
32
- 33 Kennedy, H., Poell, T. & van Dijck, J. (2015) *Data and Agency Big Data and Society:*  
34 1-7 DOI: 10.1177/2053951715621569  
35 <http://bds.sagepub.com/content/2/2/2053951715621569-0> (15 January 2016)  
36
- 37 Lunsing, W. (2007) 'The Creation of the Social Category of NEET (Not in Education,  
38 Employment or Training): Do NEET Need This?' in *Social Science Japan*  
39 *Journal* 10 (1), 105-110  
40
- 41 MacDonald, R, Shildrock, T & Furlong, A (2014) 'Benefits Street' and the Myth of the  
42 'Workless Communities' *Sociological Research Online* 19(3).  
43 <http://www.socresonline.org.uk/19/3/1> (4 March 2015)  
44
- 45 Maguire, S. & Rennison, J. (2005) 'Two Years On: The Destinations of Young People  
46 who are Not in Education, Employment or Training at 16' in *Journal of Youth*  
47 *Studies* 8 (2), 187-201  
48
- 49 Mayer-Schintberger, V. & Cukier, K. (2013) *Big Data: A Revolution that will*  
50 *transform how we Live, Work and Think*. London. John Murray Publishers O'Reilly,  
51  
52 K. (2005) *Ethnographic Methods*. London. Routledge  
53
- 54 Pybus, J., Cote, M., & Blanke, T. (2015). *Hacking the social life of Big Data*. *Big Data*  
55 *& Society*, 2(2), DOI: 10.1177/2053951715616649  
56 <http://bds.sagepub.com/content/2/2/2053951715616649> (15 January 2016)  
57 URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@tandf.co.uk](mailto:ics@tandf.co.uk)  
58  
59  
60

- Rose, G. (2012) *Visual Methodologies: An Introduction to Researching with Visual Materials*, 3rd ed. London: Sage.
- Rose, G., Degen, M. and Basdas, B. (2010) More on 'big things': building events and feelings, *Transactions of the Institute of British Geographers* 35:3. 334-349
- Russell, L., Simmons, R., & Thompson, R. (2011) Conceptualising the Lives of NEET young people: Structuration theory and 'disengagement', *Education, Knowledge and Economy* 5:3. 86-106
- Sterne, J (2015) Inaugural Lecture for the Sussex Humanities Lab: Keynote Address. RSA London. (3 December 2015)
- Strathern, M. (ed.), (2000), *Audit Cultures: Anthropological Studies in Accountability, Ethics and the Academy*, London: Routledge. □
- Thrift, N. (2007). *Non-Representational Theory: Space, Politics, Affect*. London. Routledge.
- Yates, S & Payne, M (2006) 'Not So NEET? A Critique of the Use of 'NEET' in Setting Targets for Interventions with Young People' *Journal of Youth Studies* 9:3. 329-344

<sup>i</sup>'Not just a Number' is the title borrowed from a film of the same name we made with one of the NEET groups at a half way point of the project with them exploring the impact of the governments digital by default initiatives on their lives.

<sup>ii</sup> See [project website plus links to findings and reports for all case studies]

<sup>iii</sup> <http://www.studio12.org.uk>

<sup>iv</sup> <http://www.studio12.org.uk/index.php/writing-britain/>

<sup>v</sup> [www.space2.org.uk](http://www.space2.org.uk)

<sup>vi</sup> This number was not static as people moved in and out of employment over the three years. The minimum number at any one point was 5, and the maximum was 12. Individuals returned to the group frequently over the three years, but we had an iterative cycle where new members could join every 3-6 months.

<sup>vii</sup> <http://www.eurofound.europa.eu/young-people-and-neets-1> (accessed 12.12.16)

<sup>viii</sup> And we might think about this in relation to metrics of success, or the way accountability is also figured for the organisations who have to measure and input data that pertains to their 'success'. <sup>ix</sup> One of the ways this is popularly understood is in relation to the 'computer says no' phenomenon captured, for example, in Little Britain comedy sketches. See for examples

<https://www.youtube.com/watch?v=AJO3TM-p2OI>

<sup>x</sup> This is unsurprising given the overlap of the categories of NEET and youth as suggested by Delebarre 2015.

<sup>xi</sup> see <https://www.gov.uk/universal-credit/overview> and <https://www.gov.uk/housing-benefit/what-youll-get> (10 February 2016),

<sup>xii</sup> See for example the 2014 campaign: <https://www.gov.uk/dotherightthing>, <https://www.youtube.com/watch?v=NKAPGpuM848> (15 February 2016)

<sup>xiii</sup> see [research reports] for broader discussion of these issues

<sup>xiv</sup> Cabinet Office (2012) 'Government Digital Strategy' [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/296336/Government\\_Digital\\_Strategy\\_-\\_November\\_2012.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/296336/Government_Digital_Strategy_-_November_2012.pdf). See Government Digital Service (2015) 'How Digital and Technology Transformation Saved £1.7bn Last Year' <https://gds.blog.gov.uk/2015/10/23/how-digital-and-technology-transformation-saved-1-7bn-last-year/>

<sup>xv</sup> <https://ec.europa.eu/digital-single-market/en/news/eu-egovernment-report-2016-shows-online-public-services-improved-unevenly> (accessed 12.12.16)

URL: <http://mc.manuscriptcentral.com/rics> Email: [ics@tandf.co.uk](mailto:ics@tandf.co.uk)

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

---

'Cabinet Office (2010) 'Building the Big Society'  
[https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/78979/building-big\\_society\\_0.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/78979/building-big_society_0.pdf)