

ANT meets digital methods?

ANT and digital methods have been in conversation for some time:

Digital methods offer new techniques for doing actor-network theory research (Venturini)
Digitization makes possible a new operationalization' of ANT (Latour et al, 2010)
Digital methods is inspired by ANT (New Scientist review of Rogers, 2004)

Digital social research also opens up for questioning some key ANT claims.

How can these questions inform method development in digital social research?

ANT meets digital methods?

Encounter 1: Traceability? Encounter 2: Post-sociality? Encounter 3: Formative devices? Encounter 4: Post-social method?

Live Research Pilot study 1: Liveness & Liveliness Pilot stusy 2: Issue Lifelines

Encounter 1: Traceability?

ANT proposed the 'trace' as the central sociological datum to 'replace' the variable ("follow the actors")

The critique of traceability in post-ANT (Michael, 2002)

0 0

...and the revenge of the Web:

tracing and tracking among the key analytical affordances of online networked media; here all actors turned out to be following the actors.

Or do digital media reposition the distinction between trace and variable?



Encounter 2: Postsociality?



NEBRASKA

NEVADA





CONGREGATIONALIST

GERMAN EVANGELICAL

LUTHERAN

ALL OTHER

ANT proposed to move beyond "the social" to trace the formation of heterogeneous

assemblages (associations of humans and nonhumans)

After the Web...:

1. the re-affirmation of the social as a distinctive mode of interaction, data-generation, and so on...

(Or did Facebook turn the 'socio-technical' into an everyday idea?)

2. the methodological and technological appeal of reduction: look only at links, tweets, mentions... (i.e. heterogeneity in crisis?)

(Or does the link enable new ways of dealing with CHRIST heterogeneous information? (Page et al 1998))

UNITARIAN

Tuesday, 26 June 12

REFORMED

Encounter 3: Formative Devices?

ANT attaches special importance to formats:

The progressive re-formatting of claims: From 'scientist Y suggests that X' to 'many believe X' to 'X' (see Latour Science in Action)

Digital devices like Google similarly rely on modifiers (links, mentions) to extract knowledge from a 'panoply of elements' (Didier, 2009/2010),

<u>After the Web:</u>

ANT applied the metaphor of info-processing to knowledge – this doesn't quite work when knowledge becomes information processing?

Digital methods seek to **deliberately deploy** formatting effects for purposes of social research





Live Research

What again is post-social method?

'Tracing the formation and transformation of heterogeneous assemblies.'

This project is newly relevant in the current online context:

the rise of the real-time web (special interest in content dynamics)

 medium-specificity: using the formats of the mediums for research (to detect heterogeneous formation)

Liveness & Liveliness

Work in progress, post-social method development:

Instead of the most current, we are interested in the most active issues and terms

Instead of 'the most relevant result' at a given point in time (now), we are interested in issue variation over time

(from search to research)

Tracing the variable composition of the object over time:

Detecting liveliness? ANT meets digital methods?

2 pilot studies that use co-word analysis (the co-word machine)

	. Tou obuion integes	maps riay rourabe news email boouments outenaal more
	Google	crisis
	U	
Dataset		(0.18 seconds)
	Web	Crisis
Google data 'crisis'		ty for single homeless people. We are dedicated to ending
Co-word machine input: to	op 100 titels.	g life-changing services and campaigning for What we do - Crisis Skylight London
Duration: 1 January 2012	2 - 15 February 2012	h help · Crisis
Objective: show co-word v	ariation over time	bu can help buying a Crisis Kit, you will provide the items that could turn buying for good. Buy a Crisis Kit today.
Books More		 A nomeless persons me around for good. Buy a Crisis Kit today <u>Volunteer · How you can help · Crisis</u> www.crisis.org.uk › How you can help Volunteer. We could not change so many lives without the hard work and commitment of our volunteers. Over 10000 people give their time, energy and skills to <u>Crisis Hidden Gigs · Art and music · Crisis</u> www.crisis.org.uk › › Art and music › Crisis Hidden Gigs Crisis held two Hidden Gigs with Coldplay in December 2011. The events, one in Newcastle and the other in Liverpool, raised £250000 for Crisis. Watch this
	Show search tools	
		News for crisisCentral bank group: Crisis fixes still neededFox News - 1 hour agoGovernments, banks and households struggling with too much debt are dragging down the world's economy and more needs to be done toNew York TiSereek crisis: An odyssey seen through ancient myth San Francisco Chronicle - 3 hours agoAshraf faces hot summer of crisisFinancial Times - 1 hour ago



â

Tuesday, 26 June 12

 \bigcirc CoWordLifeline < Dmi â ۶ Q- Google +https://wiki.digitalmethods.net/Dmi/CoWordLifeline Reader Ċ • കമ election 2010 = Saved Tabs = iranelection = Apple Yahoo! Google Maps YouTube Wikipedia News▼ »

digital methods initiative

wiki

Course

The Link The Website The Engine The Spheres The Webs Post-demographics Networked Content

Digital Methods

Summer 2012			
About			
FAQ			
Course			
Tools			
Projects by Theme			
Research Protocols			
Summer School			
Winter School			
Papers and Publications			
Blog			

archive climate change dataset Tuesday, 26 June 12

Co-word Lifelines



Members

Noortje, Carolin...

Introduction

Co- word analysis is a method of content analysis that makes textual data amendable to network analysis. Coword analysis works by detecting word pairs or 'co-occurrences': words that occur in each others's vicinity (word distance of say 3, 4 or 5 words), and proceeds by weighing these word relations (assigning them values in terms of relative strength and quantity of connections). Combining these measures, co-word analysis in principle makes it possible to detect the emergence of new significant themes, so called 'pockets of innovation' and, more generally, changes in thematic associations over time (Callon et al, 1983; Danowski, 2009).

Co-word analysis has been included in a variety of digital research and online visualisation tools (eg Infomous; Wordij). The form of analysis gained special relevance in the context of digital research and allows to address the phenomenon of 'happening content': the dynamic nature of online information ecologies as well as issues which raises the question of how to detect, valuate and display significant variation in and of data. Fresh terms may arise, new reports are released, and events occur that can shift the relations among actors and issues, and so the question arises how best to capture, analyse and render such change. In this sense, co-word analysis allows to study 'happening content': it offers a way to detect fluctuations in networked content, as an alternative, or complement, to more established 'methods of the medium', such as inlink count or the measurement of word frequency,



Thank you.



Tuesday, 26 June 12