



Dataveillance – 1986-2021

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Geolocation and Dataveillance, Sousveillance and Ubertveillance
AAG Geoethics Series – 11 August 2021

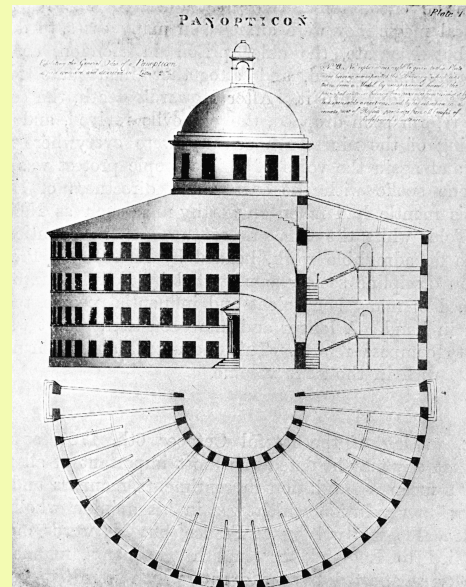
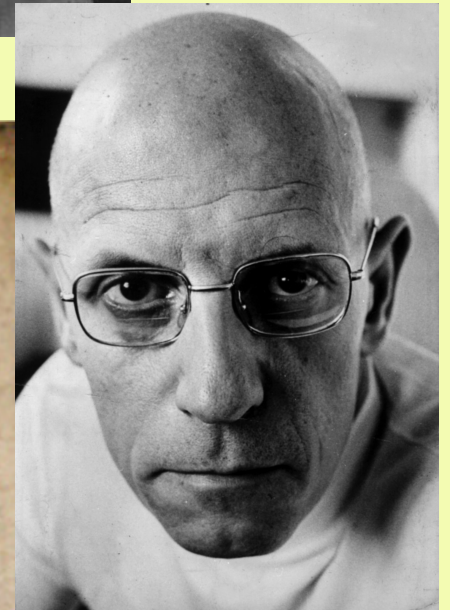
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Surveillance Visual and Spatial

- Veiller
Observe, watch (out for), ...
- Sur-
On, about, to, over, ...
- Surveillance
Watching over, supervision
- France – 1790s
- UK – 1810s
- France – 1970s
- Spain – 2010s



Extensions Geo-Spatial and Beyond

- Aural

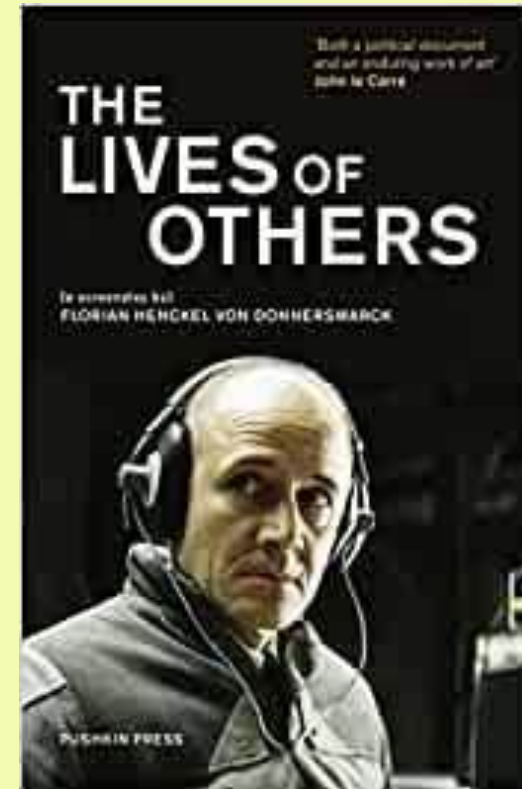
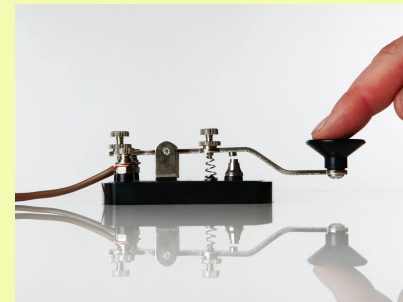
- Tele-



- Retrospective



- Electronic



Surveillance

- The systematic investigation or monitoring of the actions or communications of one person (personal surveillance') or many people (mass surveillance')

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Dataveillance

- The consolidation of personal data from multiple sources, and the use of information technologies to exploit that data

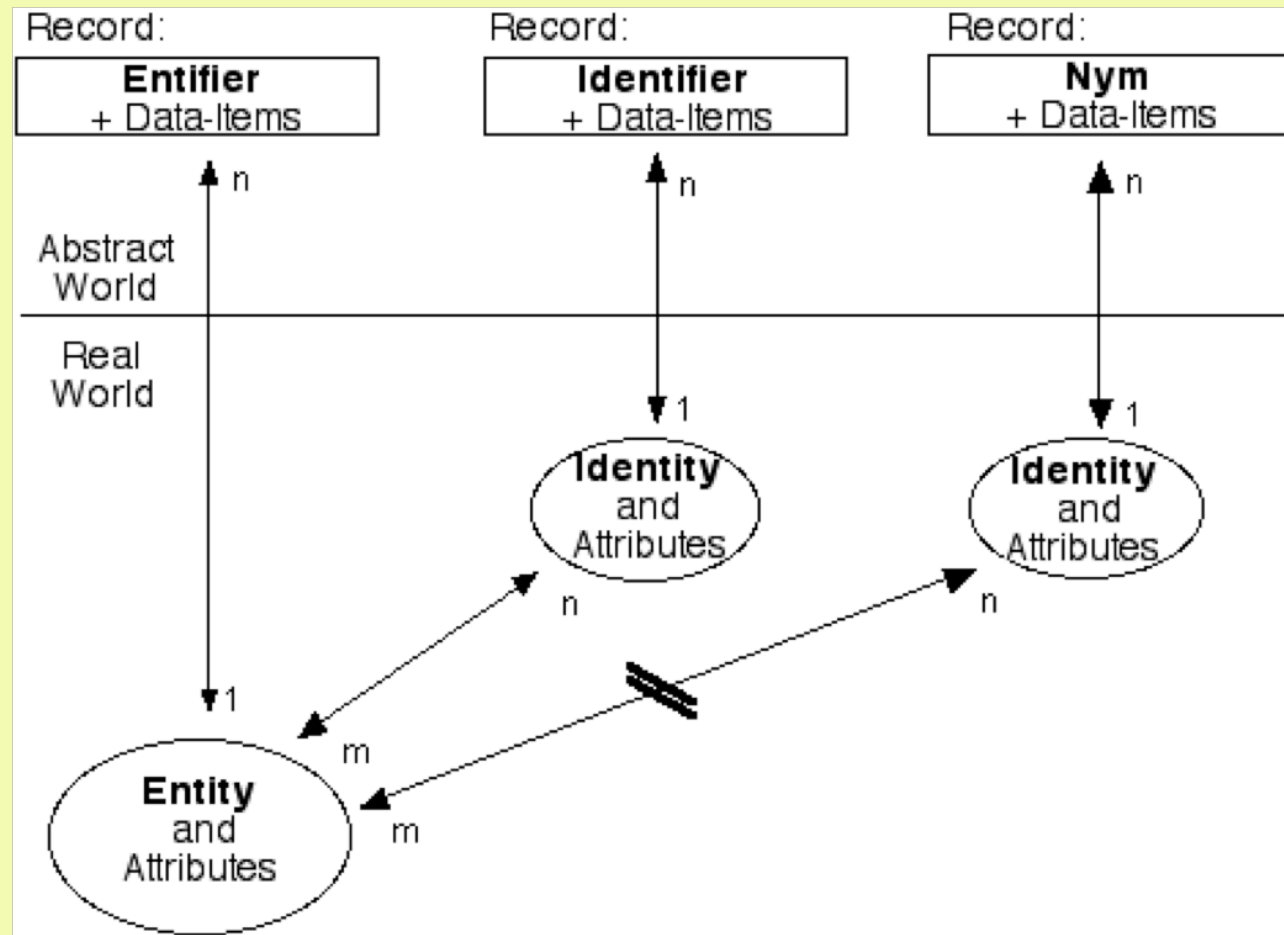
Surveillance

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Dataveillance

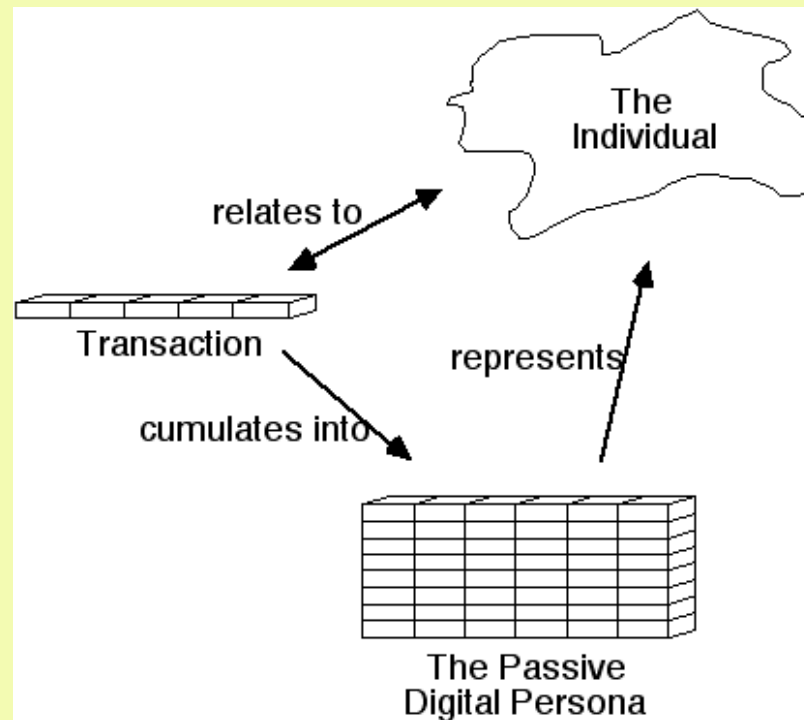
- The consolidation of personal data from multiple sources, and the use of information technologies to exploit that data
- **Less expensive. Even in 1986 nearly as good**
More efficient watching of more people
More efficient behaviour-influence and control

(Id)Entity, (Id)Entifiers, Nyms



The Digital Persona

A model of a human entity, or of one of their identities,
based on data, maintained by transactions,
and intended for use as a proxy for the individual



Location and Tracking

- **Location**

An entity's proximity to known reference points, within a defined space, at a defined point in time

- Physical Space ('Geo-Location')
- Network Space
- Intellectual Space

- **Tracking**

The entity's sequence of locations over a period of time

- **Temporality**

Retrospective / Contemporaneous / Real-Time / Prospective

- **Risks**

Correct **Inferences re Actions, Attitudes, Intentions, Associates**

Incorrect Inferences about <ditto>

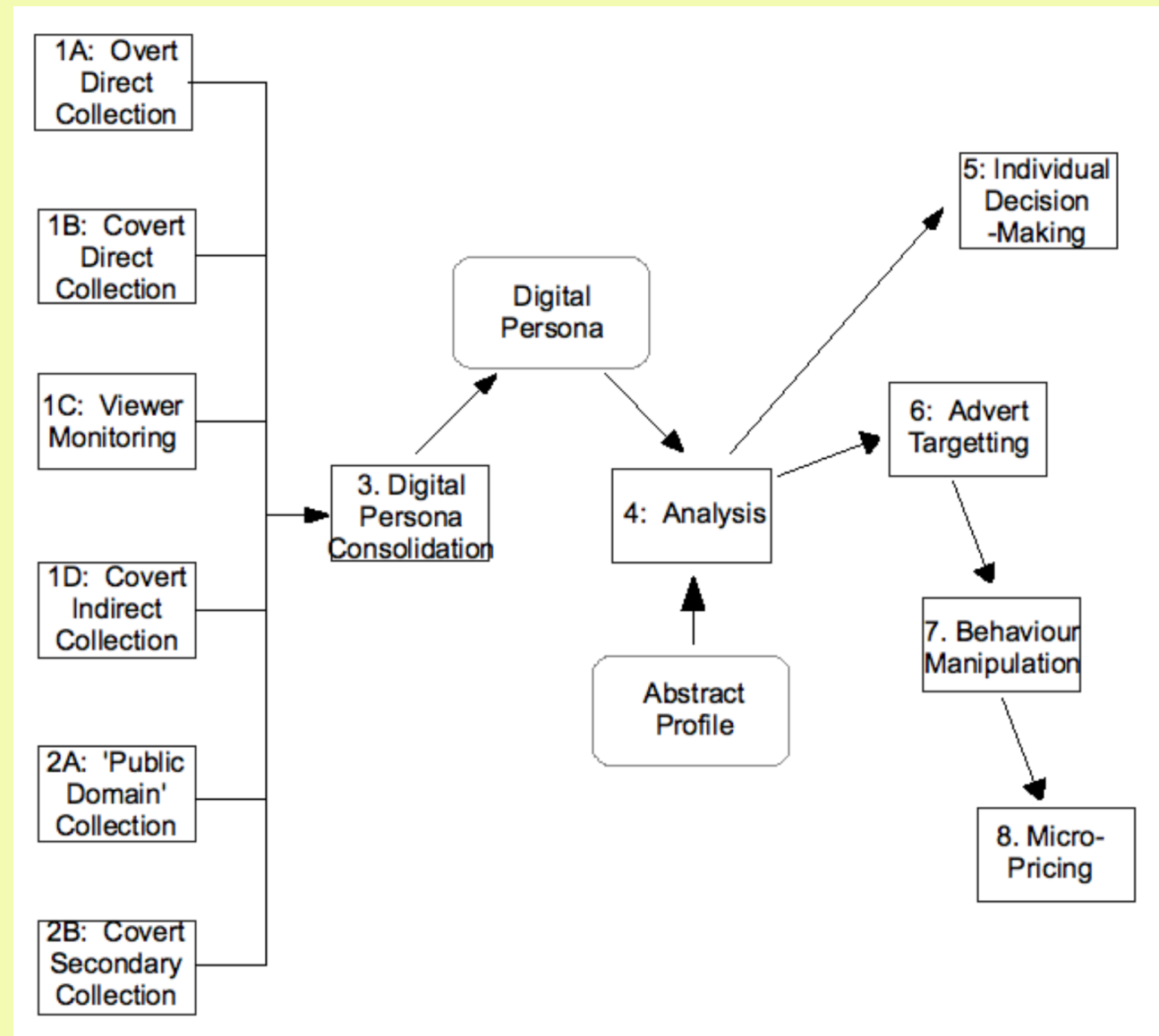
Interception

Digitalisation

The adaptation of organisational processes to take full advantage of Digitisation

- **Interactions are with Digital Personae, not people**
Each human, and their identities, can be largely ignored
- **Organisations reduce their costs and their risks**
No wet-chem emotions, ambiguity, tolerance, compassion, ...
- **Web 2.0 technologies (2005-)**
- **The Privacy of Personal Experience has been shredded**
Access to live events, text, data, image and video switched from mostly-anonymous analogue to mostly-identified digital forms

Business Processes in the Digital Surveillance Economy





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Categories of 'Persons-at-Risk'

Social Contexts

- Celebrities and notorieties at risk of extortion, kidnap, burglary
- Short-term celebrities such as lottery-winners, victims of crime
- **Victims of domestic violence**
- Victims of harassment, stalking
- Individuals subject to significant discriminatory behaviour
- People seeking to leave a former association, e.g. ex-gang-members

Political Contexts

- **Whistleblowers**
- **Dissidents**
- **Human Rights Activists**

Organisational Contexts

- Corporate executives
- Government executives
- **Undercover operatives**
- Law enforcement and prison staff
- Mental health care prof'ls, counsellors

Legal Contexts

- Judges, lawyers and jurors, particularly in highly-charged cases
- Witnesses, especially **people in protected witness programs**
- Ex-prisoners re-integrating with society

Privacy Needs of a Contrarian

		<u>Solitude</u>	<u>Intimacy</u>	<u>Secrecy</u>	<u>Inconspicuousness</u>
Freedom To		<i>Intellectual Privacy</i>	<i>Decisional Privacy</i>	<i>Associational Privacy</i>	<i>(Public) Behavioural Privacy</i>
	Experience	Discover	Fly a Kite	Debate	Receive Critique
	Behaviour	Conceive	Articulate	Cross-Fertilise	Contend
	Communications	–	Carefully Expose	Test	Publish

Privacy Needs of a Contrarian

		<u>Solitude</u>	<u>Intimacy</u>	<u>Secrecy</u>	<u>Inconspicuousness</u>
Freedom From		<i>Bodily Privacy</i>	<i>Spatial Privacy</i>	<i>Communicational Privacy</i>	<i>Proprietary Privacy</i>
	Experience	Censorship	Pressure on Family	Inbound Censorship	Denial of Anonymous Reading, Viewing
	Behaviour	Imprisonment Torture	Pressure on Family	Outbound Censorship	Denial of Secure Storage
	Communications	–	Message Censorship	Message Monitoring	Denial of Secure Messaging

The Key Things to Obfuscate and Falsify

Data

If a person's stored data could result in some organisation constraining their or any other person's freedom or privacy, the content of the stored data may need to be hidden

Messages

Re a person's communications

Identities

Re visibility of the identity under which a person performs acts

Locations

Re visibility of the location at which a person performs acts

Social Networks

Re the associations that a person has with others

Categorisation of Surveillance

- | | |
|---------------|---|
| (1) Of What? | Person, Object, Space |
| (2) For Whom? | Person, Involved Party, Third Party |
| (3) By Whom? | Person, Involved Party, Third Party |
| (4) Why? | Wellbeing, Evidence, Deterrence |
| (5) How? | Physical (visual, aural, at distance, auto-surveillance); Dataveillance (retrospective, real-time, predictive); Communications / Experience
Personal / Mass surveillance |
| (6) Where? | Physical, Virtual, Intellectual |
| (7) When? | Once, Recurrent, Scattered, Continuous |