Acquiring Agency through Personal Data

Alex Bowyer

Table of Contents

# 1 Approach & Methods

[Target 15,000 words]

## 1.1 Research design

[Target X words]

* Explaining how we get from the research questions and literature topics to a set of methods.
* other methodological research approaches I am building upon:
  + Boundary Objects [Star]
  + “Things to think with” [Brandt & Messeter]
  + Participatory co-design
  + Home visits [Mannay]

## 1.2 Methodology

Explaining the methods used, how they relate to research goals.

### 1.2.1 Practical Explorations of real data scenarios [RQ1. CAPABILITY]

[Target X words]

#### 1.2.1.1 GDPR Requests

[Target X words]

Explain the use of GDPR requests to obtain real data, both my own and participants - as an exploration of processes and what is currently possible

#### 1.2.1.2 Storyboarding cards

[Target X words]

Explain origins in filmmaking etc and later software design, then explain the technique used in the 2018 study (show the storyboard cards).

#### 1.2.1.3 Online Data Review

[Target X words]

Explain the spreadsheet based semi-quantitative approach developed and used in post-COVID 2020.

### 1.2.2 Identifying and overcoming data barriers [RQ2. BARRIERS]

#### 1.2.2.1 Self GDPR

[Target X words]

Explain own explorations with GDPR.

#### 1.2.2.2 Web augmentation and disruption

[Target X words]

Explain work on web augmentation as a way to get data and/or build new capabilities.

#### 1.2.2.3 Prototyping and Data Scripting Experiments

[Target X words]

Explain own explorations with using data from GDPR (saving detail for C5/6)

### 1.2.3 Engaging people with data, understanding their perspectives [RQ3. DATA/LIFE]

[Target X words]

#### 1.2.3.1 Data Cards and Card Sorting Techniques

[Target X words]

Describe and show both the Family Civic Data cards used in 2017 study and the data cards developed at the BBC.

Describe the card-sorting techniques used

* the riskiness vs who-should-control-it corkboard technique used in 2017 study
* card sorting done in 2018 study as warm up.

#### 1.2.3.2 Sketch Interviewing

[Target X words]

Describe technique used in late 2017 and in late 2019/pre-covid 2020. Reference Euijin Hwang’s thesis and wherever he got it from.

#### 1.2.3.3 Family Facts

[Target X words]

Describe the facts-on-poles technique used in 2017 study.

#### 1.2.3.4 Private Data Viewing

[Target X words]

This possibly should get cut - but I did develop the technique (privacy monitors etc)

### 1.2.4 Designing a world with greater agency [RQ4. DESIRES]

#### 1.2.4.1 Co-Design workshops

[Target X words]

Describe use of co-design workshops in family homes and in bigger groups.

#### 1.2.4.2 Qualitative interviews

[Target X words]

Describe use of 1:1 interviews.

#### 1.2.4.3 Ideation Grids

[Target X words]

Quick explainer and reference to Golembewski

#### 1.2.4.4 Sentence Ranking

[Target X words]

Describe sentence ranking exercises done in 2018 study

#### 1.2.4.5 Group Poster Making

[Target X words]

Not sure if this really needs a section, but was used in 2018 study.

#### 1.2.4.6 Data Modelling, Interface Prototyping

[Target X words]

Explain the exploratory work I have done through SILVER & BBC in developing interfaces as well as the work to model different levels of access / mental models of data.

### 1.2.5 Notes

How to give overview of my involvements with study partners/placements (SILVER/councils/BBC…?)

# Bibliography