Mapping Fear of Crime

Reka Solymosi

Fear of crime has a significant impact on

- transport mode choice,
- walkability/ cycling,
- accessibility

- Important element of transport safety & security in London

Current situation

- Retrospective Surveys
- Market research

D2 CONCERN ABOUT CRIME

DangAtt **[ASK ALL FUD]**

Now turning to concerns about crime. Since the first of [^DATE^] was there an occasion when you actually felt there was a danger of you being physically attacked by a stranger?

1. Yes
2. No

WomVict **[ONLY ASK IF THE RESPONDENT IS MALE AND THERE ARE ADULT WOMEN IN HOUSEHOLD]**

SHOW CARD D1
How worried are you about an adult woman in the household being physically assaulted or mugged by a stranger?

1. Very worried
2. Fairly worried
3. Not very worried
4. Not at all worried

ManVict **[ONLY ASK IF THE RESPONDENT IS FEMALE AND THERE ARE ADULT MEN IN HOUSEHOLD]**

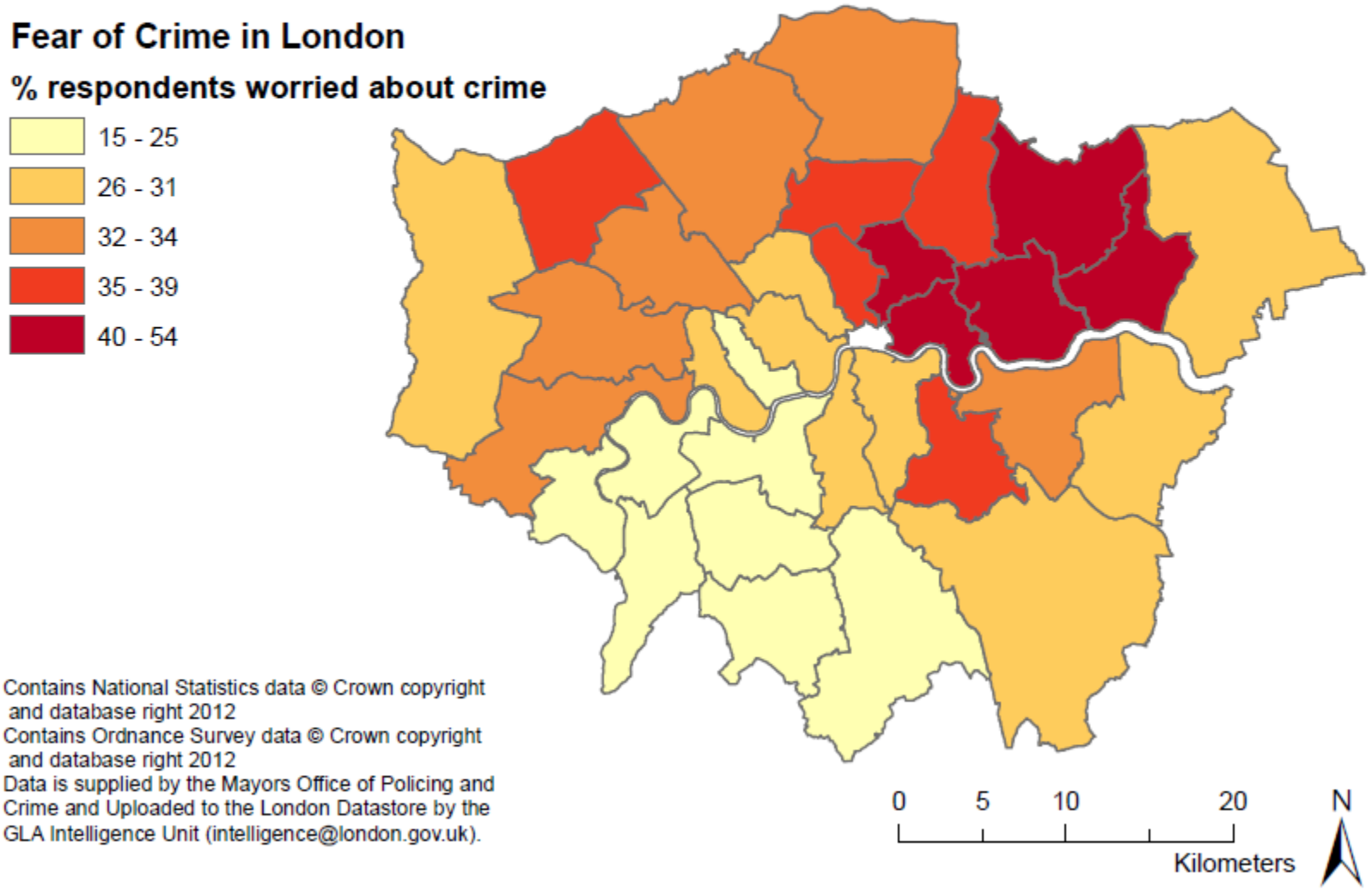
SHOW CARD D1
How worried are you about an adult man in the household being physically assaulted or mugged by a stranger?

1. Very worried
2. Fairly worried
3. Not very worried
4. Not at all worried

BurgReq **[ASK ALL FUD]**

Fear of crime in London by place of residence

Percent of people who answered with "worried" or "very worried"
to the Metropolitan Police Service Public Attitudes Survey Q13:
"To what extent are you worried about crime in this area?"

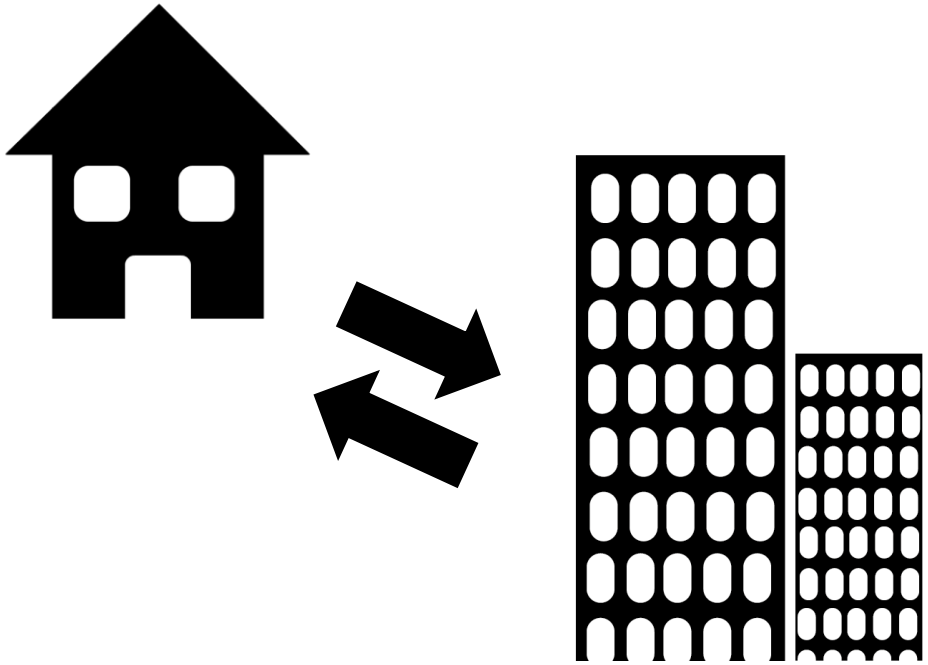


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and database right 2012
Data is supplied by the Mayors Office of Policing and
Crime and Uploaded to the London Datastore by the
GLA Intelligence Unit (intelligence@london.gov.uk).

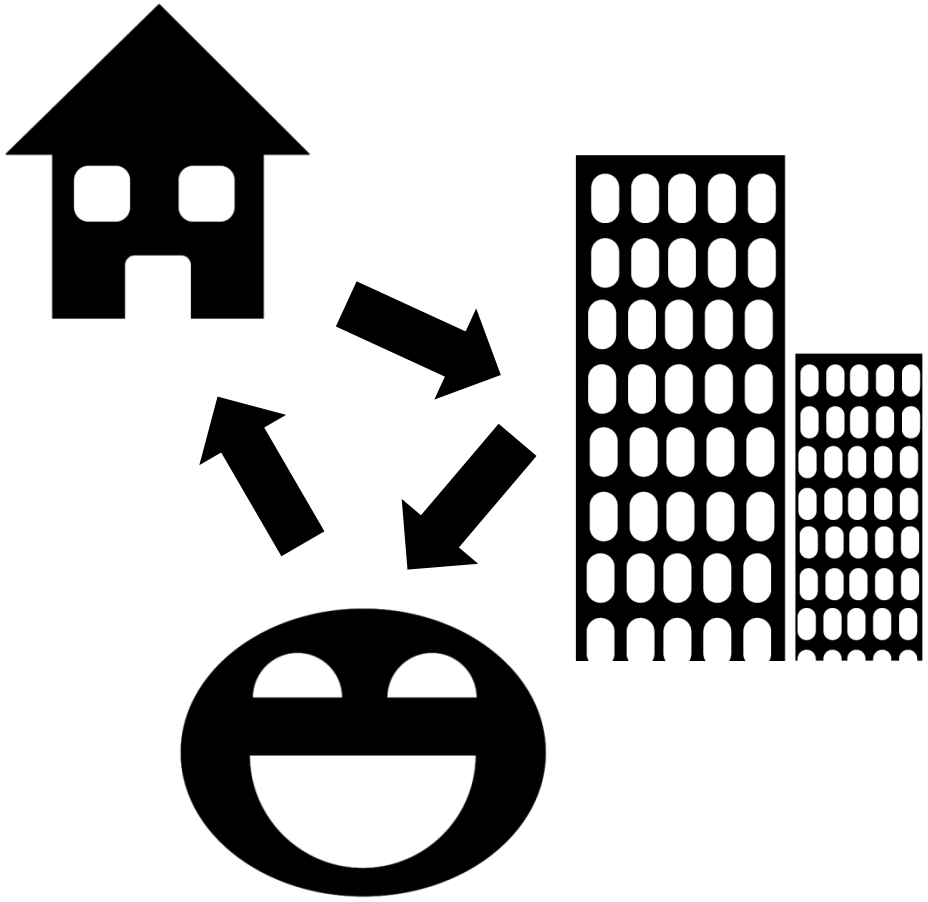
Issues with current information



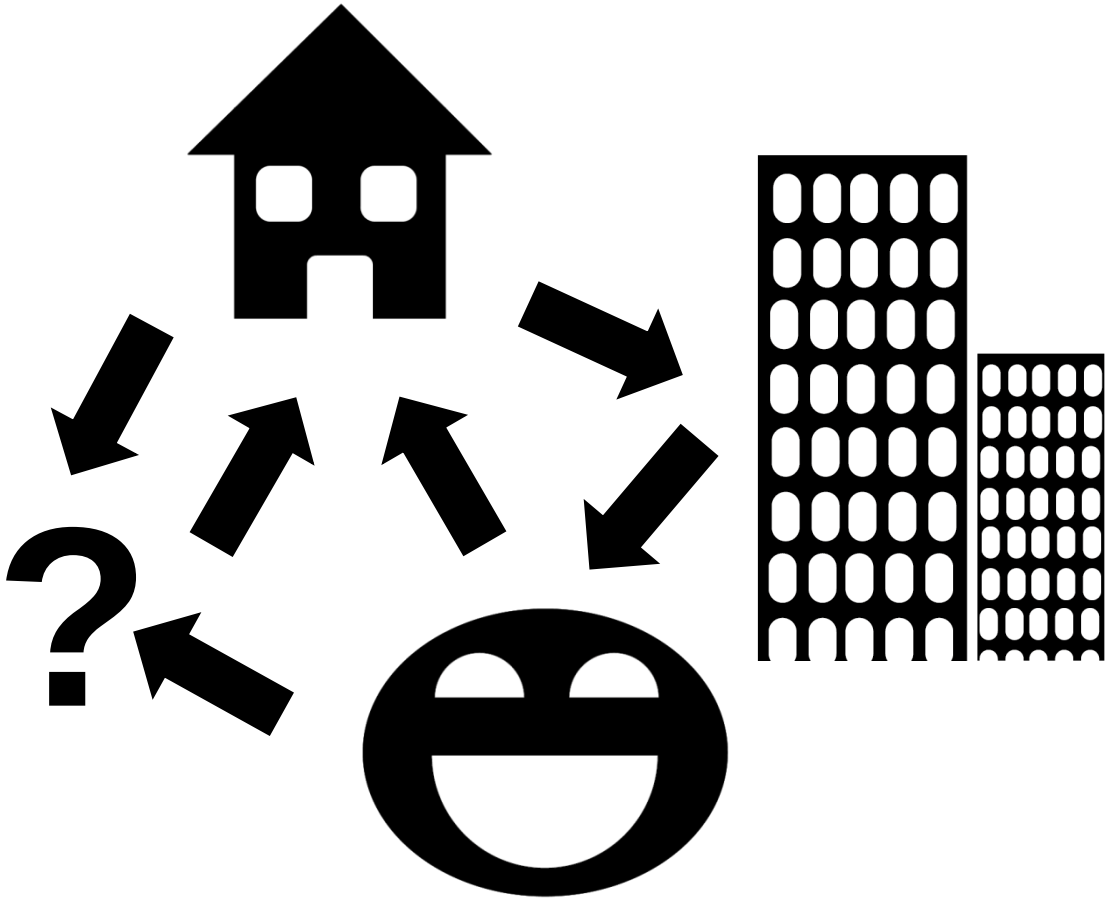
Issues with current information



Issues with current information



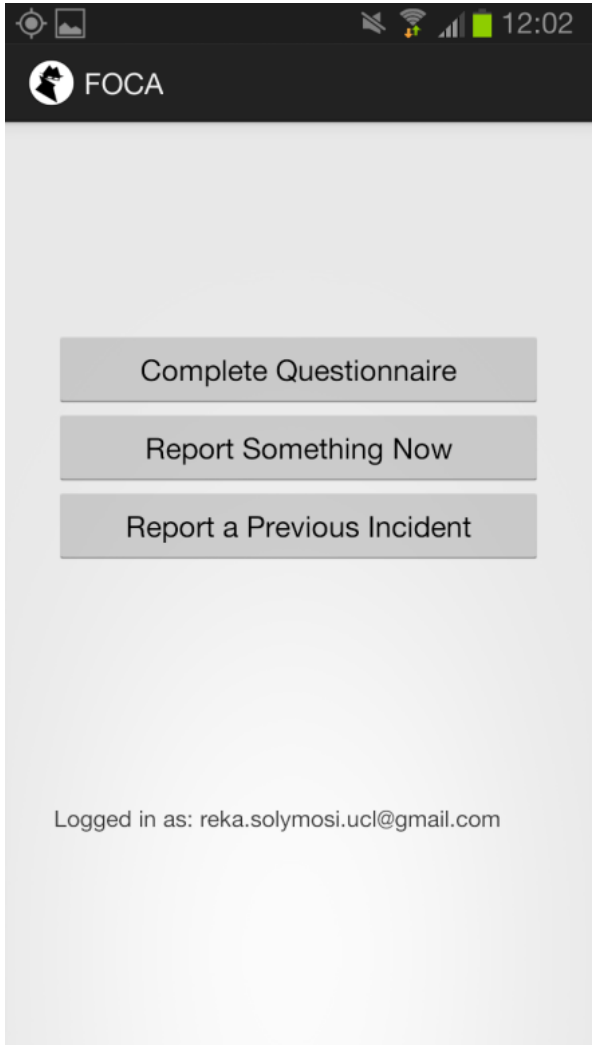
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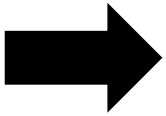


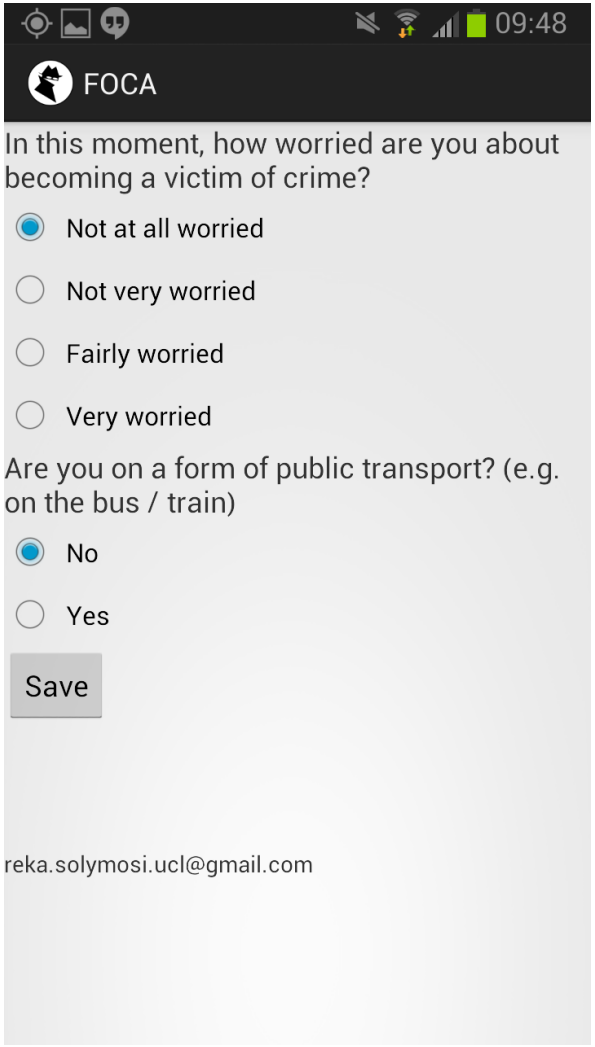
What would be better?

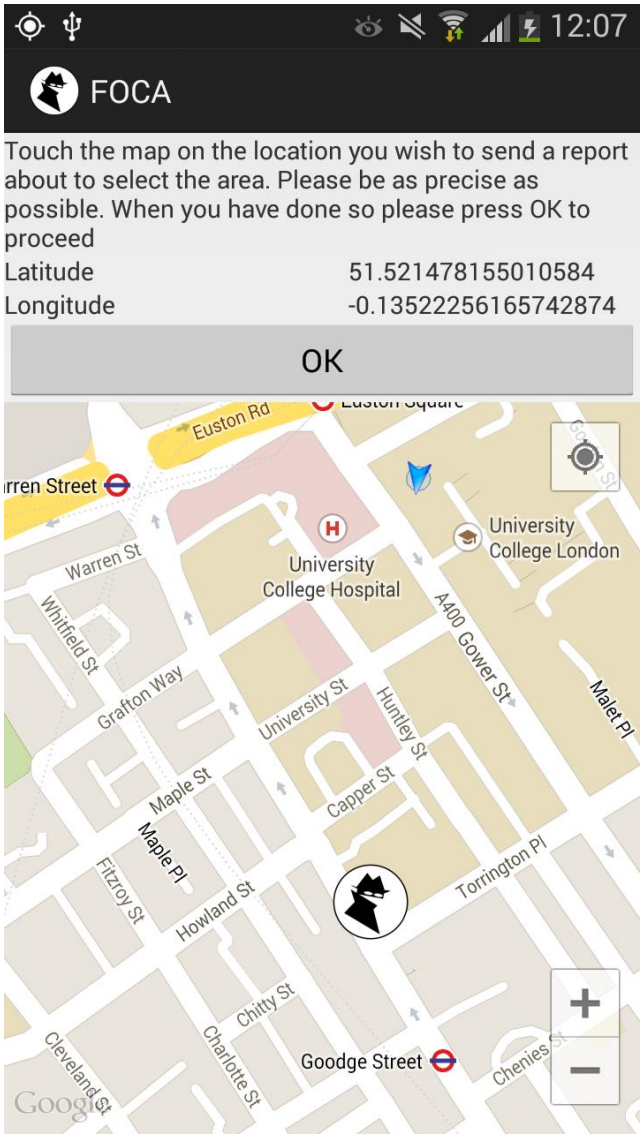
- More accurate recall
- Reflective of experience in everyday life
- Precise spatial and temporal data
- Entire activity space

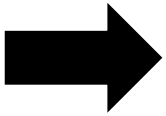
How?

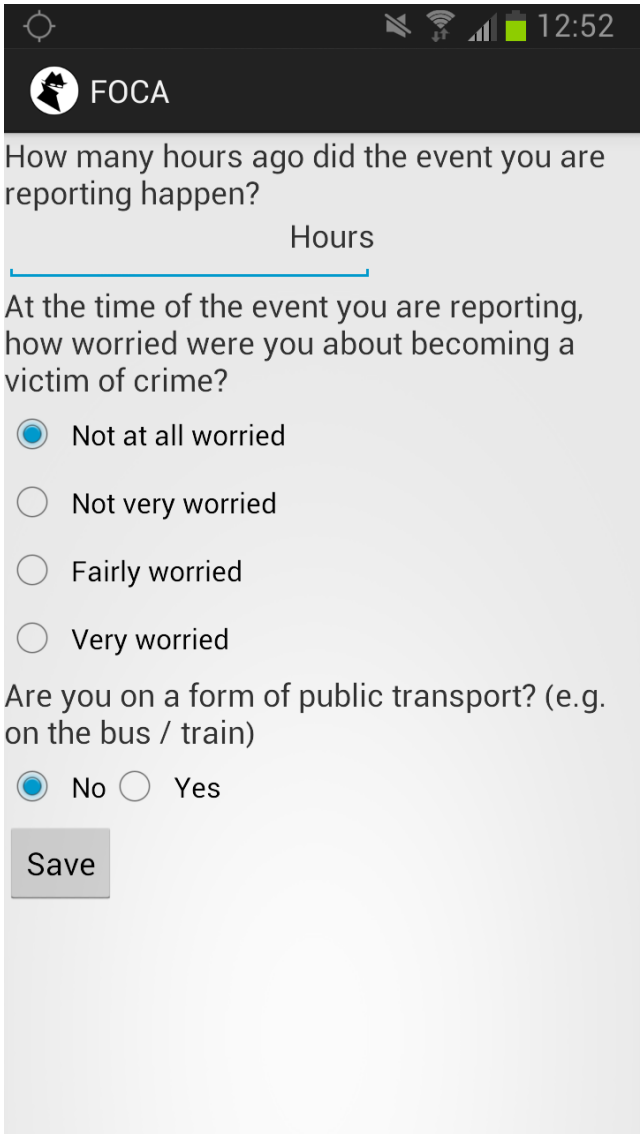

12:02
FOCA
Complete Questionnaire
Report Something Now
Report a Previous Incident
Logged in as: reka.solymosi.ucl@gmail.com

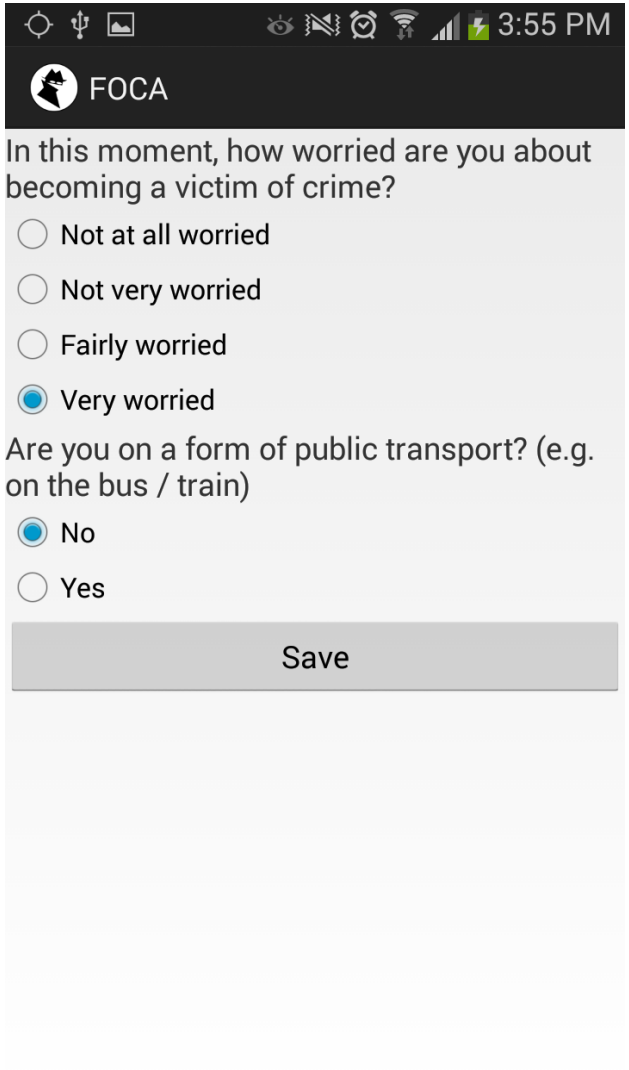


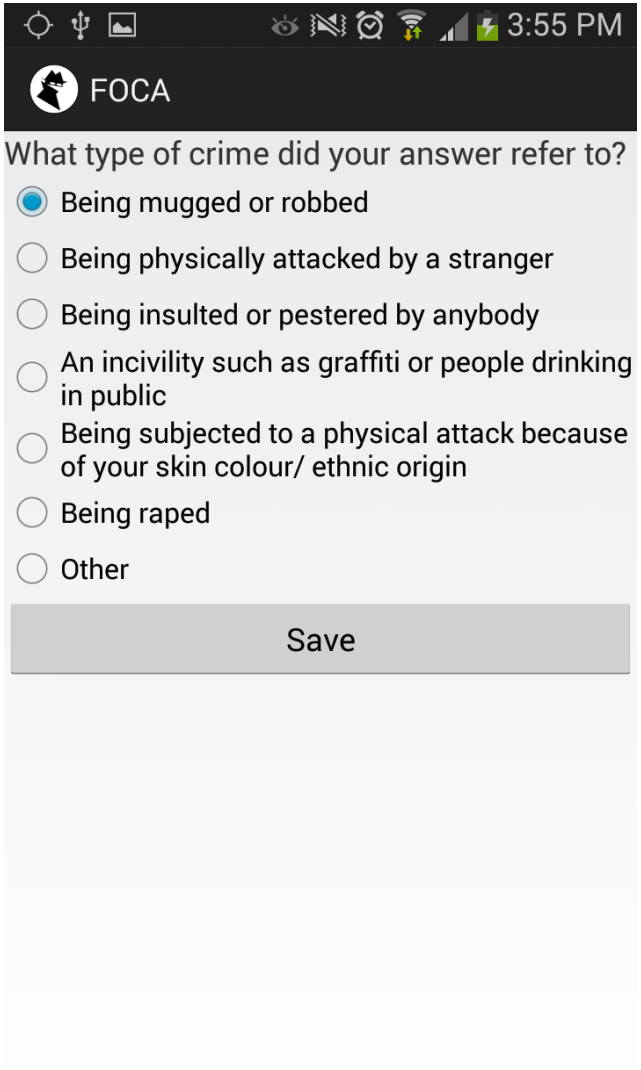

09:48
FOCA
In this moment, how worried are you about becoming a victim of crime?
Not at all worried
Not very worried
Fairly worried
Very worried
Are you on a form of public transport? (e.g. on the bus / train)
No
Yes
Save
reka.solymosi.ucl@gmail.com


12:07
FOCA
Touch the map on the location you wish to send a report about to select the area. Please be as precise as possible. When you have done so please press OK to proceed
Latitude 51.521478155010584
Longitude -0.13522256165742874
OK
Euston Rd
Warren Street
University College Hospital
University College London
Warren St
Whitfield St
Grafton Way
University St
Huntley St
A400 Gower St
Maler Pl
Capper St
Maple St
Maple Pl
Fitzroy St
Howland St
Torrington Pl
Chitty St
Cleveland St
Charlotte St
Goodge Street
Chenies St
Google

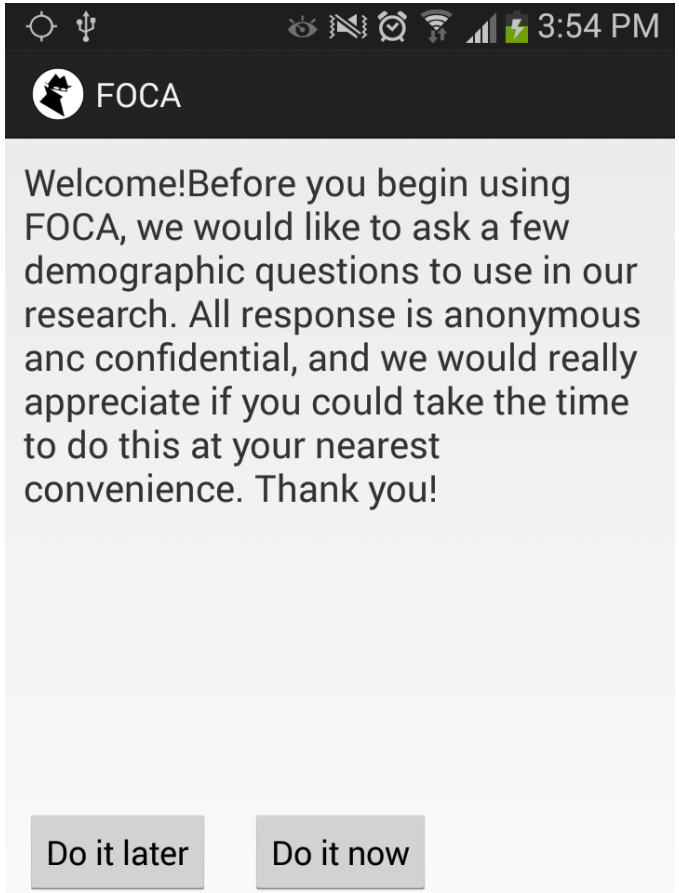


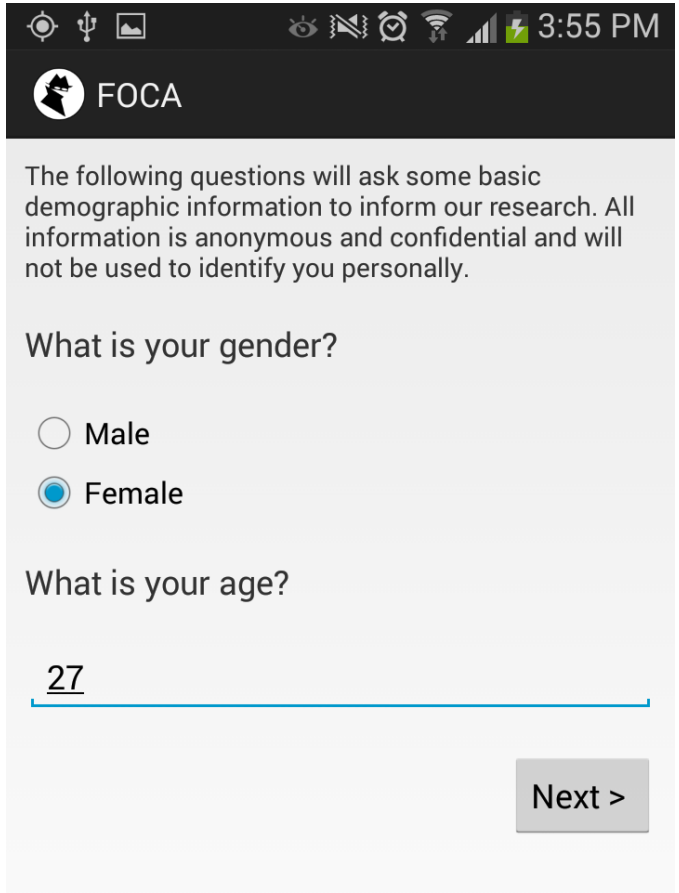

12:52
FOCA
How many hours ago did the event you are reporting happen?
Hours
At the time of the event you are reporting, how worried were you about becoming a victim of crime?
Not at all worried
Not very worried
Fairly worried
Very worried
Are you on a form of public transport? (e.g. on the bus / train)
No
Yes
Save





reka.solymosi.ucl@gmail.com


3:54 PM
FOCA
Welcome!Before you begin using FOCA, we would like to ask a few demographic questions to use in our research. All response is anonymous anc confidential, and we would really appreciate if you could take the time to do this at your nearest convenience. Thank you!
Do it later
Do it now


3:55 PM
FOCA
The following questions will ask some basic demographic information to inform our research. All information is anonymous and confidential and will not be used to identify you personally.
What is your gender?
Male
Female
What is your age?
27
Next >

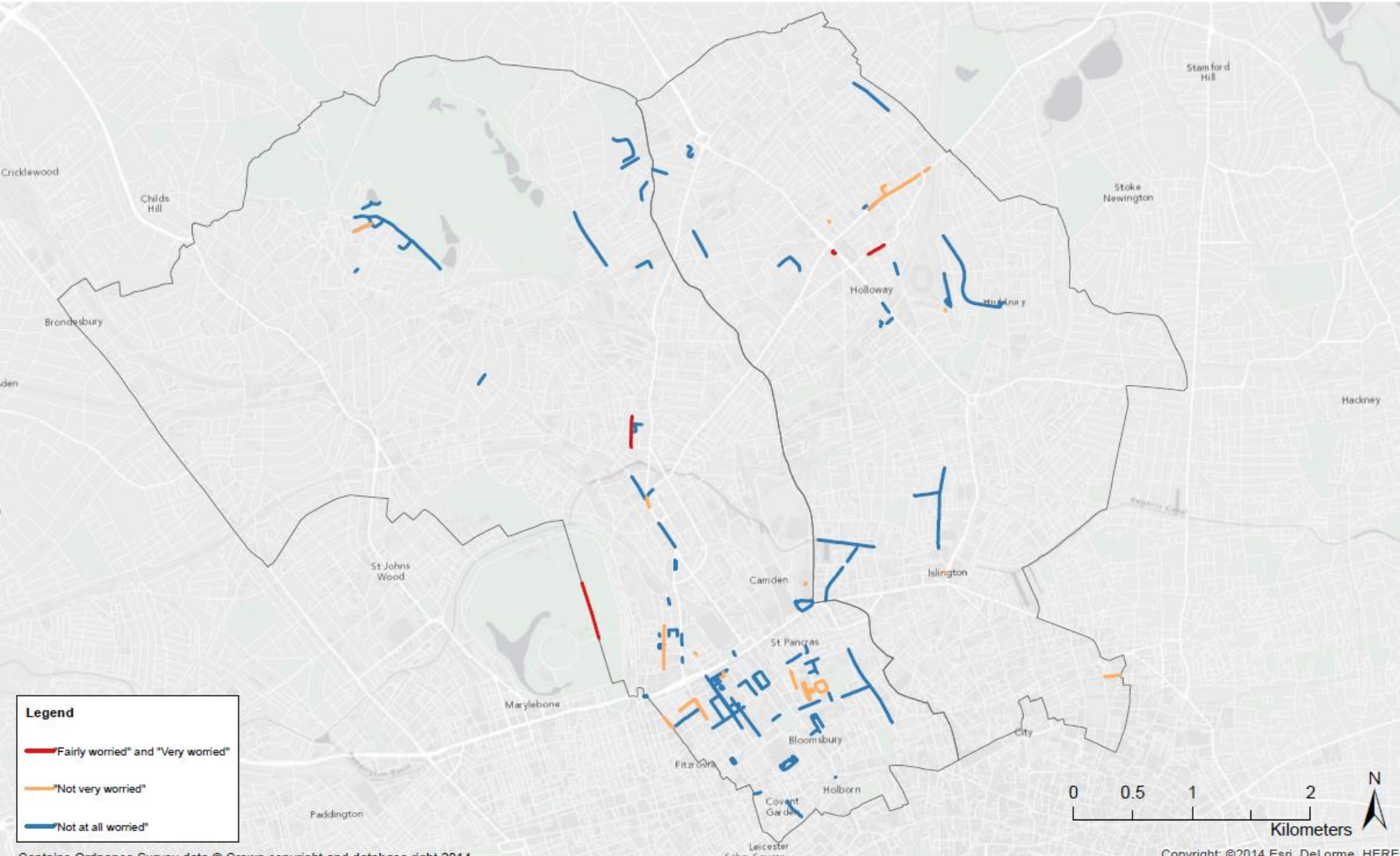

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No
Yes
Save
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Save
12:07
FOCA
Touch the map on the location you wish to send a report about to select the area. Please be as precise as possible. When you have done so please press OK to proceed
Latitude 51.521478155010584
Longitude -0.13522256165742874
OK
12:52
FOCA
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Hours
At the time of the event you are reporting, how worried were you about becoming a victim of crime?
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Not very worried
Fairly worried
Very worried
Are you on a form of public transport? (e.g. on the bus / train)
No
Yes
Save
Hampstead Heath
Camden Town
London
Commercial Road
Lambeth
Chelsea
Battersea

Pilot study

What kind of data can be expected from this method?

Fear of Crime in Camden and Islington

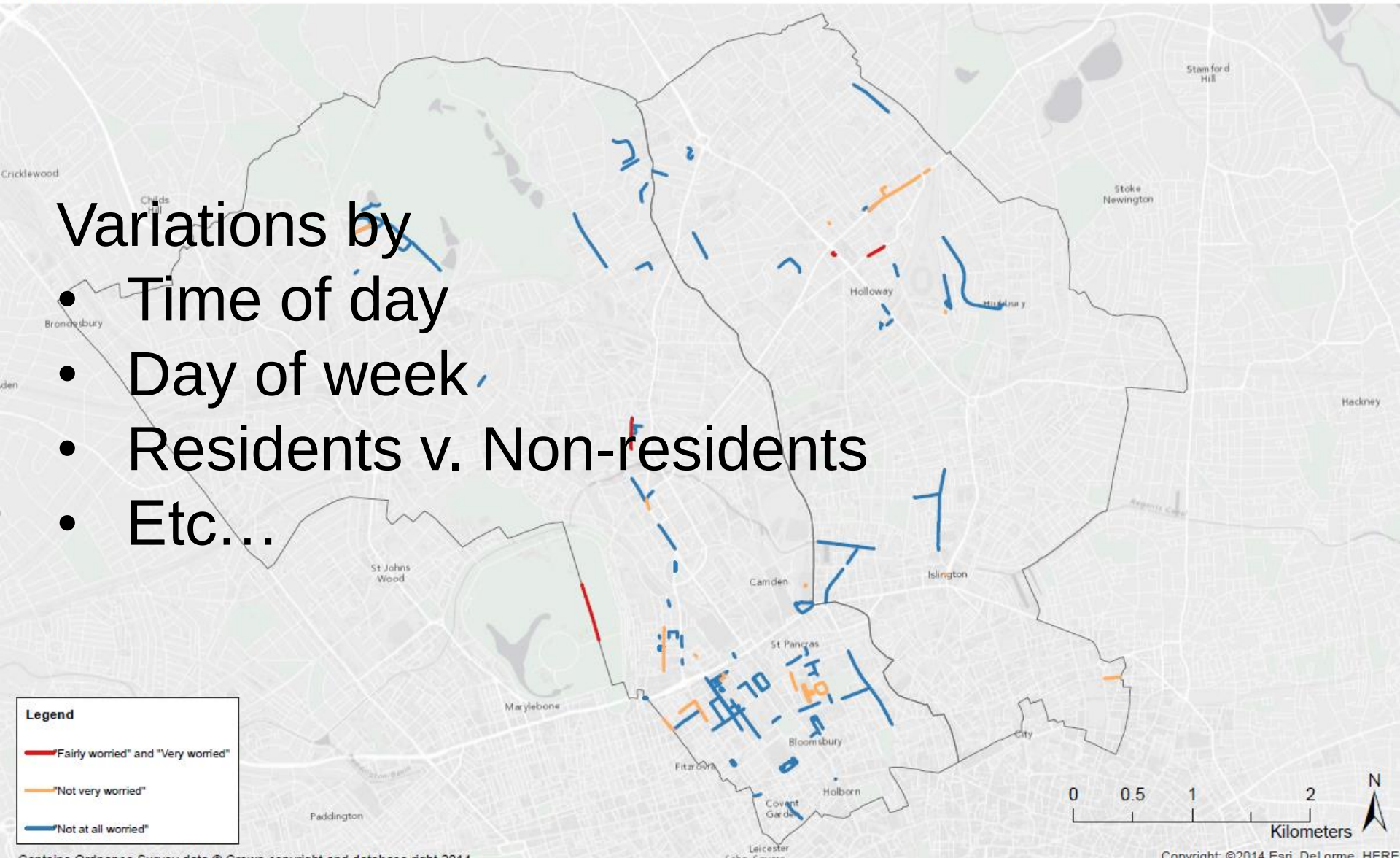
Fear of crime measured over 2 weeks using experience sampling via a mobile application

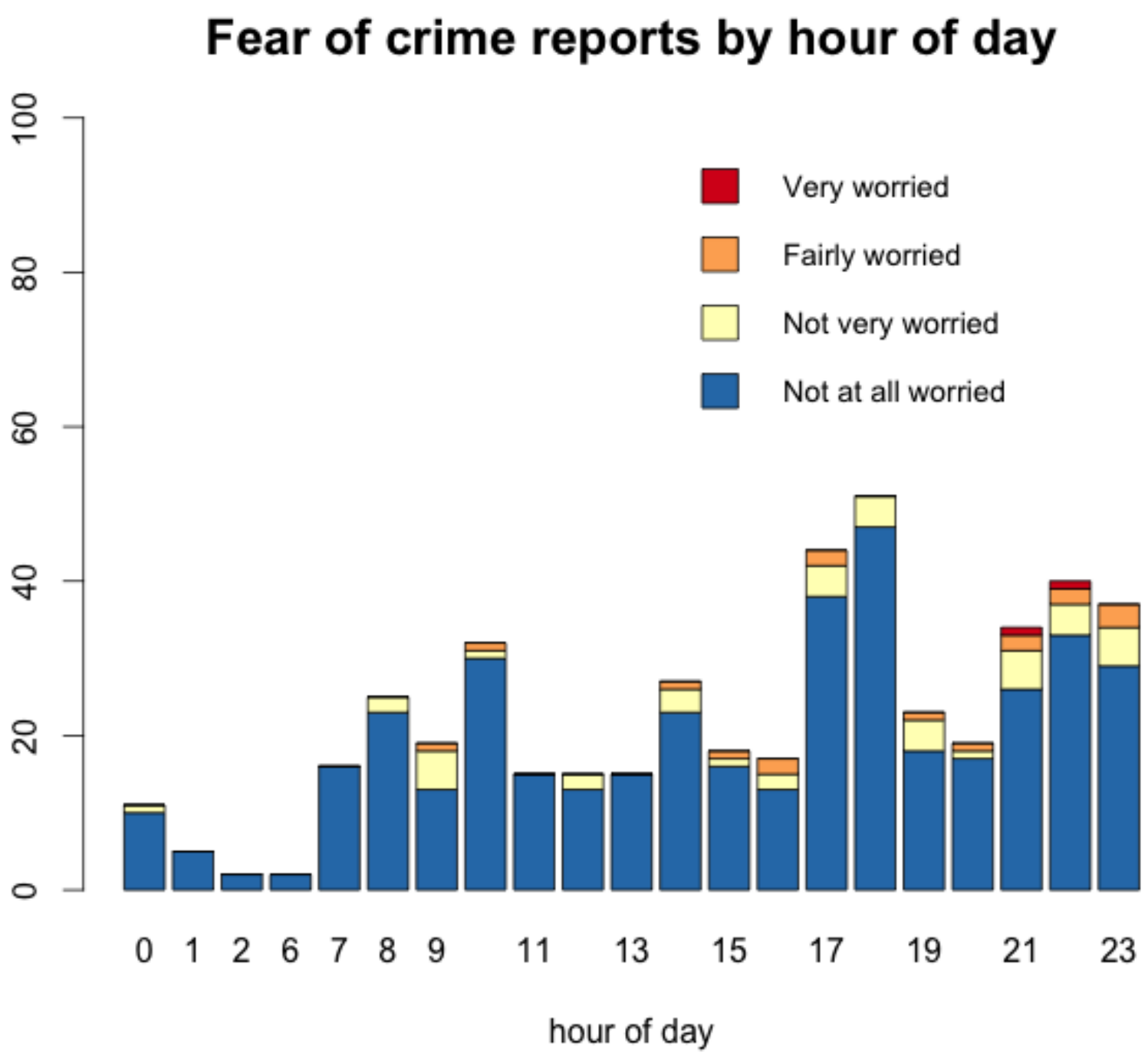


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Fear of Crime in Camden and Islington

Fear of crime measured over 2 weeks using experience sampling via a mobile application




Fear of crime reports by hour of day
Very worried
Fairly worried
Not very worried
Not at all worried
0
20
40
60
80
100
0 1 2 6 7 8 9 11 13 15 17 19 21 23
hour of day

Fear of crime experienced in everyday life versus generalised anxieties and concerns

- Much less overall than people assumed.
- Significant difference between genders in retrospective survey disappears in daily life.

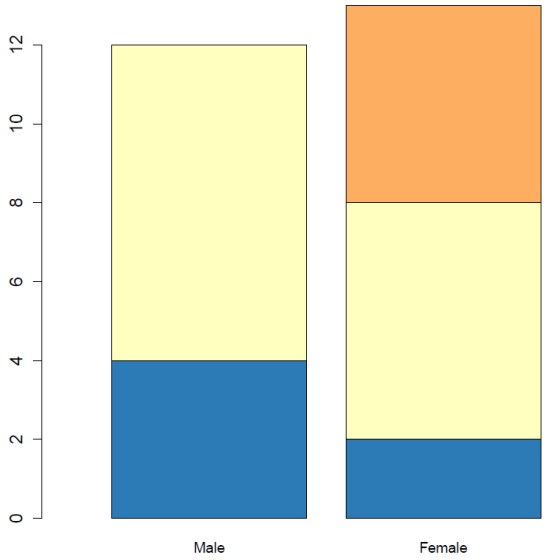


Figure 1: Gender divide in pre-experiment questionnaire results

vs.

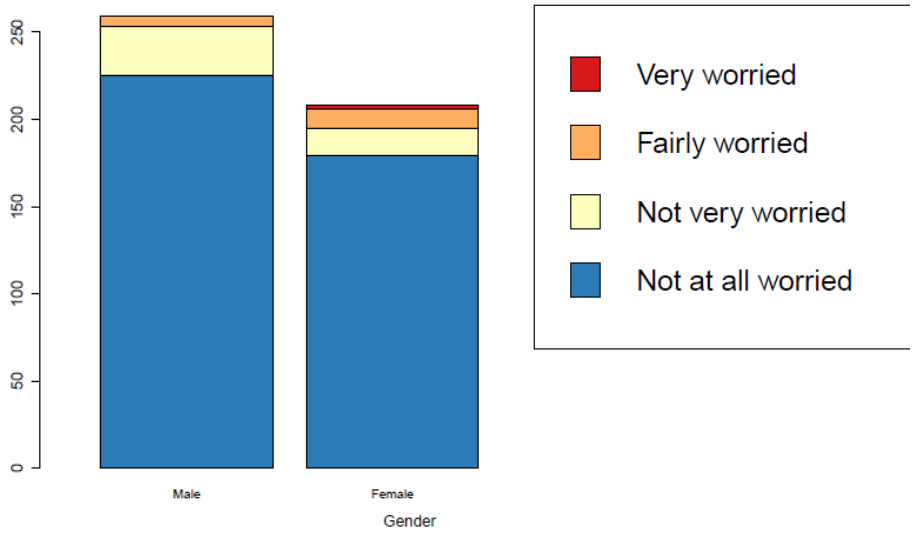


Figure 2: Gender divide in ESM experiment results

Benefits

- Measure everyday “lived” experience
- Map street level & whole journey
- Dynamic
- Methodology could be applied to journey chain (vs street level)

Targeted & holistic interventions from policing/ policy/ urban planning and design

Next Steps

- Full-scale study
- Interviews to ensure validity of measurements
- Case studies
- Correlations with other data
  - Recorded crime
  - Built environmental factors (CCTV, pubs, etc)
  - Area characteristics
  - ???

Thank you!

Comments, questions, advice?

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