ELIPSS : A practice driven application development

Élodie Pétorin, Alexandre Chevallier, Charlotte Montcharmont
ESRA 2017
Tuesday, 18th of July, Lisbon
Content

I. What is the CDSP & ELIPSS?
II. Panel Management System (PMS)
III. Tickets & groups
IV. Follow-up call
V. Current development
Centre de données socio-politiques

- Socio-political data center (CDSP)
- Created in 2006
- Offers services around social science data
- Coordinates and participates (ELIPSS, BeQuali...)
What is ELIPSS?

- Étude Longitudinale par Internet pour les Sciences Sociales
- Probability-based online panel
- Pilot study 2012-2016 : 1039 panel members
- Monthly questionnaires designed by researchers
- Device and internet access provided to each panel member
Panel Management System (PMS)

- Tailor made by our IT team
- Contribution of the panel management team
- Multiple function:
  - Keep contact
  - Manage the fleet
  - Handle the incidents (tickets)
  - Follow up the non respondents
Panel Management System (PMS)

- Find a panelist:
  - by his first name and name
  - by his ELIPSS ID
  - by his phone number
  - by his email
Panel Management System (PMS)

- Quick view of the panel member (ID Card)
- Contact info
- Panel member situation (response rate for ex)
- Tablet and line data
Group and tickets

- Ticket creation
- Tickets to follow the incidents
- Several groups of non respondents
- Follow-up by phone or emails
How is it working?

- Nightly CRON script
- Routine calculations
- With a hint of instant update (group change when a panelist completes a survey)
Extension of the panel

- 2500 panelists recruited in 2016
- More calls to do and letters to send
- More tablets and more incidents (tickets) to manage
- New range of tools
Sleeper’s group and follow-up call

- Sleeper’s group
- Massive follow-up call
- Necessity to see the follow-up outcome on the panelist page
Follow up interface
Technologies & methodology used

- Django (python)
- Javascript (Vanilla & JQuery)
- Tornado (websocket)
- Iterative development, agile inspired
Current development

Letter reminder
- Send letter within PMS
- Print custom letter

Android Push Notification
- Send notification automatically
Thank you for your attention!

elodie.petorin@sciencespo.fr
alexandre.chevallier@sciencespo.fr
charlotte.montcharmont@sciencespo.fr