Designing and conducting mixed-methods research projects: Initial experiences with the SOEP data

Ingrid Tucci
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Qualitative interviewing of panel respondents
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• Different sources of data are being used more and more in large-scale surveys: biomarkers, institutional data (on school, firms, neighborhoods...)

• Up to now, quantitative longitudinal data have seldom been linked to qualitative data in the framework of mixed-methods research

• Qualitative data can and should:
  “lift the veil on social micro-processes (...) to develop adequate sociological explanations for phenomena on the aggregate statistical level” (Kelle, 2005: 103, 112)

• Panel data are particularly well suited to the analysis of, e.g., life course trajectories and long-term social processes
  • Standardized annual survey of biographical information
  • Can be considered a narrative or “quantitative (auto)biography” (Elliott 2008)
Qualitative interviewing of panel respondents

• Advantages
  • Of qualitative sampling
    • Representative data
    • Sampling on the dependent or/and independent variables
    • Past events can be taken into account: the current individual situation is therefore not separated from the previous life course
    • The instruments for the quantitative study can be improved or developed in light of qualitative events

• Potential challenges
  • Placing too great a burden on participants?
  • Endangering panel stability?
  • Anonymization and distribution data that were collected in the framework of mixed-methods projects
Three research projects based on the SOEP
Three research projects based on the SOEP

Non-Standardized Individual Survey – Interviews with Employees in a Recall Experience (DFG)

Prof. Dr. Stefan Liebig, University of Bielefeld

Collaborative Research Center 882 “From Heterogeneities to Inequalities” Subproject B4

“Employers and Inequality: Synchronous and Diachronous Inequality Effects of Temporary Layoffs (Recalls)"

• First phase: quantitative secondary analysis with the SOEP and comparison with IAB individual data
• Extension of hypotheses to causes and mechanisms underlying recalls

Design:
20 interviews with SOEP respondents laid off and re-remployed by the same employers
Sampling according to contrast groups (educational level, household context, gender)
Three research projects based on the SOEP

Educational Biographies in the Context of Long-Term Social and Family Dynamics (BMBF)

Prof. Dr. Olaf Groh-Samberg, BIGSSS Bremen, Prof. Dr. Henning Lohmann, University of Osnabrück

- Family determinants of educational decisions and their effects on children’s educational biographies
  - Under what conditions are children able to “break out” of unfavorable trajectories and dynamics?
  - To what extent do upward social mobility or crises in families positively or negatively affect children’s educational biographies?

Design:
30 interviews with SOEP respondents (since the age of 10 and for a period of at least 15 years), multi-generational interviews
Sampling according to the social trajectory of parents and children
Qualitative Survey of Long-Term SOEP Respondents with a Turkish Background (DFG)

Dr. Ingrid Tucci, SOEP/DIW Berlin, Prof. Dr. Olaf Groh-Samberg, BIGSSS Bremen

- To what extent can different life course patterns be traced back to different biographical decisions and strategies? Influence of migration history.
- What factors affect upward social mobility among the children of Turkish immigrants?
- To what extent can biographical turning points be identified in prospectively surveyed quantitative panel data?

Design:
30 interviews with long-term SOEP respondents
Sampling according to a typology of educational and labor market entrance trajectories
Qualitative Survey of Long-Term SOEP Respondents with a Turkish Background (DFG)

A possibility for integrated analysis of quantitative and qualitative data

<table>
<thead>
<tr>
<th>Portrait based on qualitative data</th>
<th>Portrait based on quantitative data</th>
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</thead>
<tbody>
<tr>
<td>Aspect occurs</td>
<td>Aspect does not occur</td>
</tr>
<tr>
<td>Aspect occurs</td>
<td>Correspondence / Complementarity / Contradiction</td>
</tr>
<tr>
<td>Aspect does not occur</td>
<td>Longitudinal characteristics without subjective relevance: unconscious structures - artifacts</td>
</tr>
<tr>
<td>Missing or inappropriate indicators</td>
<td>---</td>
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</tbody>
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Problem: Can we link standardized and qualitative information about a respondent without compromising his or her anonymity?
Data collection procedure
Sampling strategy and documentation

- Documentation and explanation of the sampling strategy by the team of researchers
- File submitted to generate the dataset
  - Distinguishing characteristics of the population
  - Ensuring sufficiently large contrast groups from which respondents to be interviewed will be randomly selected
- Important information for the replication of the results or for the secondary use of the data
Documents in preparation the field

- Letter informing the respondents about the objectives of the research and presenting the research team
- Declaration of consent (signed) allowing the respondent’s address and contact information to be transferred to the research team
- Fact sheet on data protection
  - Signed on the day of the interview by interviewer and interviewee(s)
    - Anonymization of the interview by the end of the project
    - Data storage site (FDZ-SOEP and research institution)
    - Possibility to transfer the anonymized data to third parties for research use
    - Contract cancellation right: respondent can demand to have the individual data cancelled
Open questions
Open questions

SOEP: research infrastructure with the task of providing data to users

- Secondary analysis
  - Changes in research interest
    - Possible outcome: respondents dropping out of the (panel) survey?
    - Respondent consent: Can the anonymized data be used again by other researchers for their analyses?
  - How can the anonymity and confidentiality of respondents be ensured in mixed-methods projects?
    - Documentation on the sampling procedure
    - Vast amount of information on respondents from both sources of data
    - Recommendations needed on the anonymization of the qualitative material
Thank you for your attention.

DIW BERLIN

DIW Berlin — Deutsches Institut für Wirtschaftsforschung e.V.
Mohrenstraße 58, 10117 Berlin
www.diw.de

Editor
Ingrid Tucci itucci@diw.de