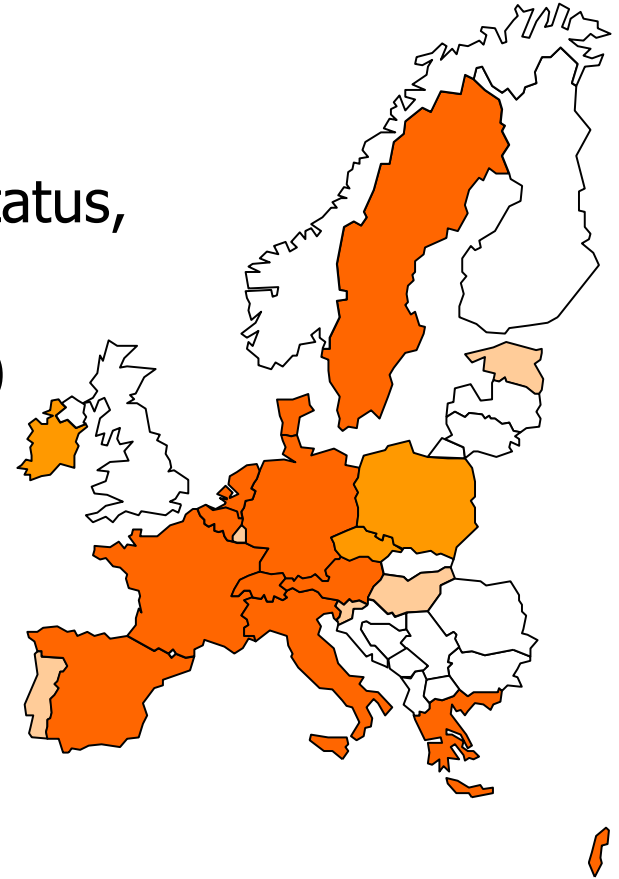# Far Off or Close by?
Validating German SHARE data with Administrative Records

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The Survey of Health, Ageing and Retirement in Europe

▶ SHARE:

- ▶ Multidisciplinary
- ▶ Micro data on health, socio-economic status, social and family networks
- ▶ bi-annual, longitudinal (wave 1 in 2004)
- ▶ More than 45.000 respondents (aged 50+) in more than 15 European countries

▶ SHARELIFE:

- ▶ Retrospective life histories in wave 3

SHARE-RV: a German Pilot

▸ Combination of SHARELIFE data with data from the German Pension Fund (DRV):

  ▸ Administrative process data

  ▸ Working history

  ▸ German SHARE sample:

    ▸ N= 1.940

    ▸ Linkage via Social Security Number

    ▸ Written consent during the interview

The two steps of consent

▸ **Step 1:** Verbal consent to link the SHARE data with the DRV data (at the end of CAPI)

    ▸ 1.400   consent   (72%)

    ▸ 418   refuse   (22%)

    ▸ 122   DK/NA   (6%)

▸ **Step 2:** Sending back the signed letter of consent conditional on step 1

    ▸ 898   consent   (64%)

    ▸ (849)   linkable   (60%)

Determinants of consent

	consent 1		consent 2 | consent 1	
	Coef	s.e.	Coef	s.e.
Women	-0.038	(0.13)	0.212	(0.12)
Age at interview	-0.020*	(0.01)	0.019*	(0.01)
Middle education	0.196	(0.18)	0.231	(0.19)
High education	0.255	(0.21)	0.344	(0.22)
Single with child	0.465	(0.39)	-0.179	(0.43)
Couple without children	0.804***	(0.16)	0.022	(0.18)
Couple with children	0.835***	(0.25)	0.042	(0.25)
other	0.631	(0.34)	-0.344	(0.36)

Significance: ***=1%; **=5%; *=10%

Determinants of consent

	consent 1		consent 2 | consent 1	
Income 1. quartile	-0.890***	(0.22)	-0.653***	(0.20)
Income 2. quartile	-0.547*	(0.22)	0.197	(0.20)
Income 3. quartile	-0.191	(0.21)	-0.136	(0.17)
Income missing	-1.149***	(0.22)	-1.193***	(0.21)
Income non-response	-0.642***	(0.17)	-0.406*	(0.20)
Still working	-0.484**	(0.17)	-0.310	(0.17)
Duration of interview	0.013***	(0.00)	-0.001	(0.00)
GDR (before 1989)	-0.579***	(0.14)	0.612***	(0.15)
_cons	2.039**	(0.68)	-0.858	(0.69)

Significance: ***=1%; **=5%; *=10%

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Determinants of consent

- ▸ Interviewer effects: multi level analysis
  - ▸ Highest level: interviewer
  - ▸ Lowest level: respondent
- ▸ Significant effects on the interviewer level!
  - ▸ Differences to the initial model:
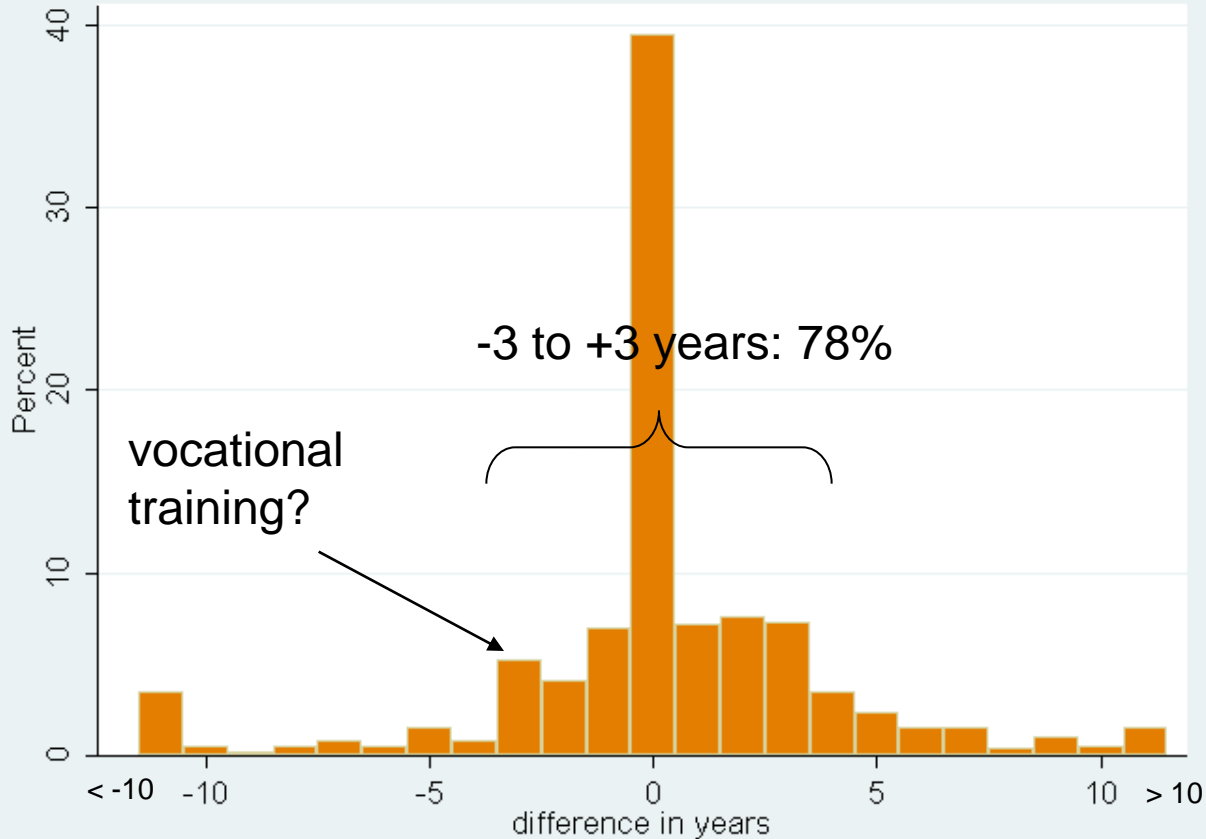   - ▸ GDR
      - ▸ Interviewer effect vs. GDR effect ?

Determinants of consent

▶ No significant association:

　　▶ Respondent's health (chronic diseases & self perceived health)

　　▶ Trust in other people

　　▶ Other people present during the interview

　　▶ Problems with the interview

- ▸ Interviewer effects
    - ▸ Characteristics of the interviewer, e.g.
        - ▸ Education and age
        - ▸ Quality related indicators
- ▸ Process behind sending the consent letter back
    - ▸ Step 1 consent but no step 2 consent
        - ▸ Burden of bringing the letter to the post office
        - ▸ Social Security Number
        - ▸ => results of wave 4

▸ Year of first job

  ▸ SHARELIFE: retrospective, job by job (year of beginning and end)

  ▸ DRV: working status since age 14 (monthly)

▸ Comparison of the year of the first spell (SHARELIFE) & year of the first transition into employment

SHARELIFE vs. DRV

Which factors are responsible for the deviations?

- Personal characteristics

- Job characteristics:

    - number of different job spells

    - time passed since first job

    - kind of the first job

Summary and Outlook

- 1) unit non-response
  - Identification of determinants
    - Age
    - HH-composition & income
    - Previous interview
    - Working status
  - The role of the interviewer
- 2) measurement error (retrospective data)
  - Evaluation of the error
  - Identification of determinants