

Institut für Arbeitsmarkt-
und Berufsforschung

Die Forschungseinrichtung der
Bundesagentur für Arbeit

IAB

IAB-Bibliothek

362

Die Buchreihe des Instituts für Arbeitsmarkt- und Berufsforschung

1

Patterns and impact of longitudinal measurement error for welfare receipt

Johannes Eggs

Dissertationen

wb\

Contents

Vorwort	3
1 Introduction	11
1.1 The Total Survey Error framework	11
1.2 The longitudinal perspective	14
1.3 Measurement error	15
1.3.1 Measurement error in longitudinal studies	18
1.4 Welfare receipt	19
1.5 Measurement error for welfare receipt	21
1.6 Data	22
1.6.1 Survey data	22
1.6.2 Administrative data	24
1.7 The studies	27
1.7.1 Will respondents eventually get it right? Changes in measurement error across five waves of a panel survey using dependent interviewing	27
1.7.2 Impact of measurement error for welfare receipt on panel models	28
1.7.3 Errors in retrospective welfare reports and their effect on event history analysis	29
1.7.4 Dependent interviewing and sub-optimal responding	30
2 Will respondents eventually get it right? Changes in measurement error in a panel survey using dependent interviewing: Results from a vewave validation study	31
<i>Johannes Eggs, Annette Jackie and Mark Trappmann</i>	
2.1 Introduction	31
2.2 The panel survey and validation data	33
2.2.1 Survey design	33
2.2.2 Administrative data and linkage	34
2.2.3 Analysis sample	35
2.3 Results	37
2.3.1 Does data accuracy change over waves of a panel survey	37
2.3.2 Why does data accuracy change over waves of a panel survey?	44
2.3.3 Do changes in data accuracy alter substantive research conclusions?	47
2.4 Discussion	49
3 Measurement error for welfare receipt and its impact on panel models	53
3.1 Introduction	53
3.2 Data	55
3.3 Measurement error	57

3.4	Measurement error and fixed-effects models	59
3.4.1	Measurement error models	64
3.5	Discussion & conclusion	66
4	Errors in retrospective welfare reports and their effect on event history analysis	69
	<i>Johannes Eggs and Rainer Schnell</i>	
4.1	Introduction	69
4.2	Previous research	70
4.3	Data	72
4.3.1	Administrative data and linkage	72
4.4	Hypotheses	75
4.5	Methods	77
4.5.1	Definition of the recall error	77
4.5.2	Operationalizations	78
4.5.3	Effects on time-to-event analysis	79
4.6	Results	79
4.6.1	The distribution of recall error	79
4.6.2	Explaining response error	79
4.6.3	Impact on coefficients of time-to-event analysis	83
4.7	Discussion	86
5	Dependent interviewing and sub-optimal responding	89
	<i>Johannes Eggs and Annette Jackie</i>	
5.1	Introduction	89
5.2	Theoretical background on false confirmation	91
5.3	Previous studies on false confirmation and misreporting of benefits	92
5.4	The panel survey and validation data	93
5.4.1	Survey design	94
5.4.2	Administrative data and linkage	95
5.4.3	Dependent interviewing and preload error	95
5.5	Predictors of sub-optimal responding	96
5.6	Results	98
5.7	Discussion	105
6	Concluding remarks	109
6.1	Further research	112
	Bibliography	115
	Appendix	125
	Abstract	133
	Kurzfassung	135