

THE INTEGRATION OF GERMAN CENSUS MICRODATA

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- Introduction
- German microdata
- 1971 census of the former German Democratic Republic
 - History
 - Characteristics and metadata
 - Anonymisation
- Outlook

- Integrated Public Use Microdata Series – Europe (IPUMS-Europe) - 2004
- Germany joins IPUMS - Europe in 2005
- Clarification of legal aspects
- Collection of metadata
- Anonymisation of first microdata set in 2007
- Several IPUMS-Europe workshops

German Microdata

- 2 censuses - Federal Republic of Germany
 - 1970
 - 1987
- 2 censuses - former German Democratic Republic
 - 1971
 - 1981
- 5 microcensuses - Federal Republic of Germany
 - 1973
 - 1982
 - 1987
 - 1991
 - 2001

German Microdata

- 2 censuses - Federal Republic of Germany

1970

1987

- 2 censuses - former German Democratic Republic

1971

1981

- 5 microcensuses - Federal Republic of Germany

1973

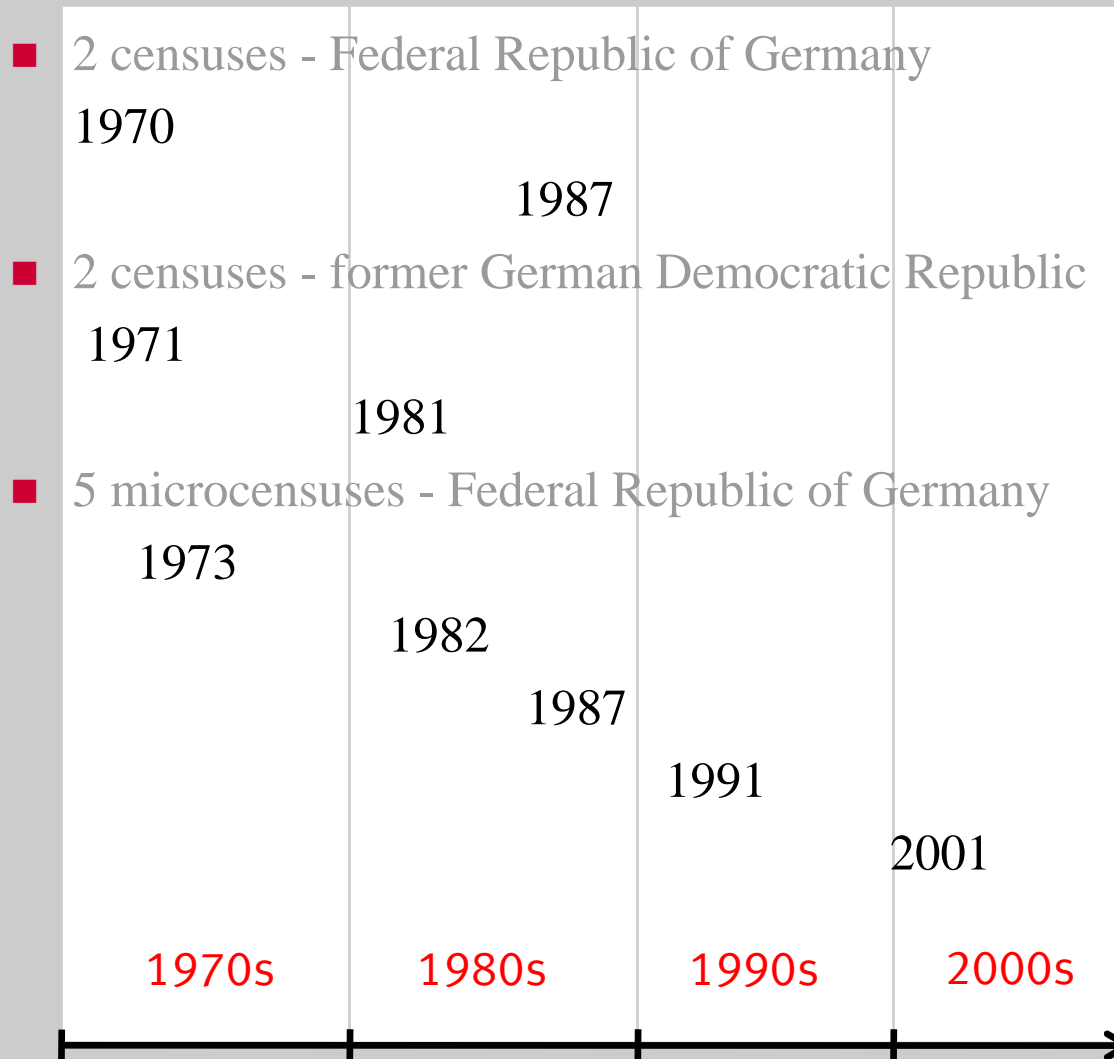
1982

1987

1991

2001

German Microdata



German Microdata

- 2 censuses - Federal Republic of Germany
 - 1970
 - 1987
- 2 censuses - former German Democratic Republic
 - 1971
 - 1981
- 5 microcensuses - Federal Republic of Germany
 - 1973
 - 1982
 - 1987
 - 1991
 - 2001

German Microdata

- 2 censuses - Federal Republic of Germany
 - 1970 - On Site, Scientific Use File
 - 1987 - On Site
- 2 censuses - former German Democratic Republic
 - 1971 - not available
 - 1981 - not available
- 5 microcensuses - Federal Republic of Germany
 - 1973 - On Site, Scientific Use File
 - 1982 - On Site, Scientific Use File
 - 1987 - On Site
 - 1991 - On Site, Scientific Use File
 - 2001 - On Site, Scientific Use File

- Transferring German microdata abroad
 - Only as fully anonymised Public Use Files (PUF)

- Integration of PUFs in IPUMS database
 - Microdata level
 - Integration over countries
 - Integration over time
 - Metadata level
 - Digitalised
 - Online
 - In Englisch and German

1971 Census of the GDR

- 1971 census of the former German Democratic Republic
 - History
 - Characteristics and metadata
 - Anonymisation

Ministerrat
der Deutschen Demokratischen Republik
Staatliche Zentralverwaltung
für Statistik

Haushaltszähler
Lehrmaterial für die Zähler

Volks-, Berufs-, Wohnraum- und Gebäudezählung
am 1. Januar 1971

Beilage zur Drucksache 2/06

Drucksache 1/06

Bezirk:	Potsdam	0	4	1-2	
Kreis:	Brandenburg-Stadt	3	1	3-4	
Gemeinde/Stadt/ Stadtbezirk:	18 Brandenburg	0	0	5-6	
Stützpunkt/Ortsteil:	Mitte	0	1	7-8	
Zählbereich:		0	1	9-10	
Zählabschnitt:			1	11	
Lfd. Nr. der Gebäudeliste:		0	1	12-13	
Lfd. Nr. der Wohnungsliste:		0	0	1	14-16
Lfd. Nr. der Haushaltsliste:			1	17	

Am 1. Januar 1971 wird in der Deutschen Demokratischen Republik eine Volks-, Berufs-, Wohnraum- und Gebäudezählung durchgeführt (Gesetz vom 1. 12. 1967 GBl. I S. 135, Anordnung Nr. 2 vom 5. 1. 1970 GBl. II S. 24)

Die Volks- und Berufszählung erfolgt, um genaue Unterlagen über die Zahl und Zusammensetzung der Bevölkerung, der Haushalte und Familien, über die Berufsstruktur und das Bildungsniveau zu gewinnen. Diese Ergebnisse dienen der wissenschaft-

- History
 - Central State Administration for Statistics of the GDR
 - Legal successor: Federal Statistical Office
 - Backup and documentation of data
 - Partly adaptation to the system of the 1987 census of the FRG
 - Release to the Federal Archive
 - Federal Archive
 - Data protected by data protection act
 - Archive law allows availability of data after 60 years
 - Special permission for the release of data for scientific purposes

1971 Census of the GDR

- Characteristics and metadata
 - 2 data files
 - Person file (demography, income, education, employment etc.)
 - Dwelling and building file (state of repair, occupancy, equipment etc.)
 - 16,4 mio. persons, 6,2 mio. households, 6 mio. dwellings
 - Metadata
 - no codebooks at FSO and Federal Archive
 - Archives of regional statistical offices in the former GDR states (Field of study, occupation codes)

1971 Census of the GDR

- Matching of data files
 - Matching by unique combination of variables in both files
 - Deletion of vacant dwellings and dwellings used for other purposes
 - Verification of matching method by comparison of certain variables existent in both files
 - number of principal residents in 1st household
 - number of children under age 17 in 1st household

1971 Census of the GDR

- Anonymisation
 - Time
 - Drawing of a subsample
 - Geographic detail
 - Recoding
 - Sorting of households

➔ fully anonymised microdata file - Public Use File

1971 Census of the GDR

- Sampling
 - Size: 25% household sample
 - Method: Systematic Random Sampling

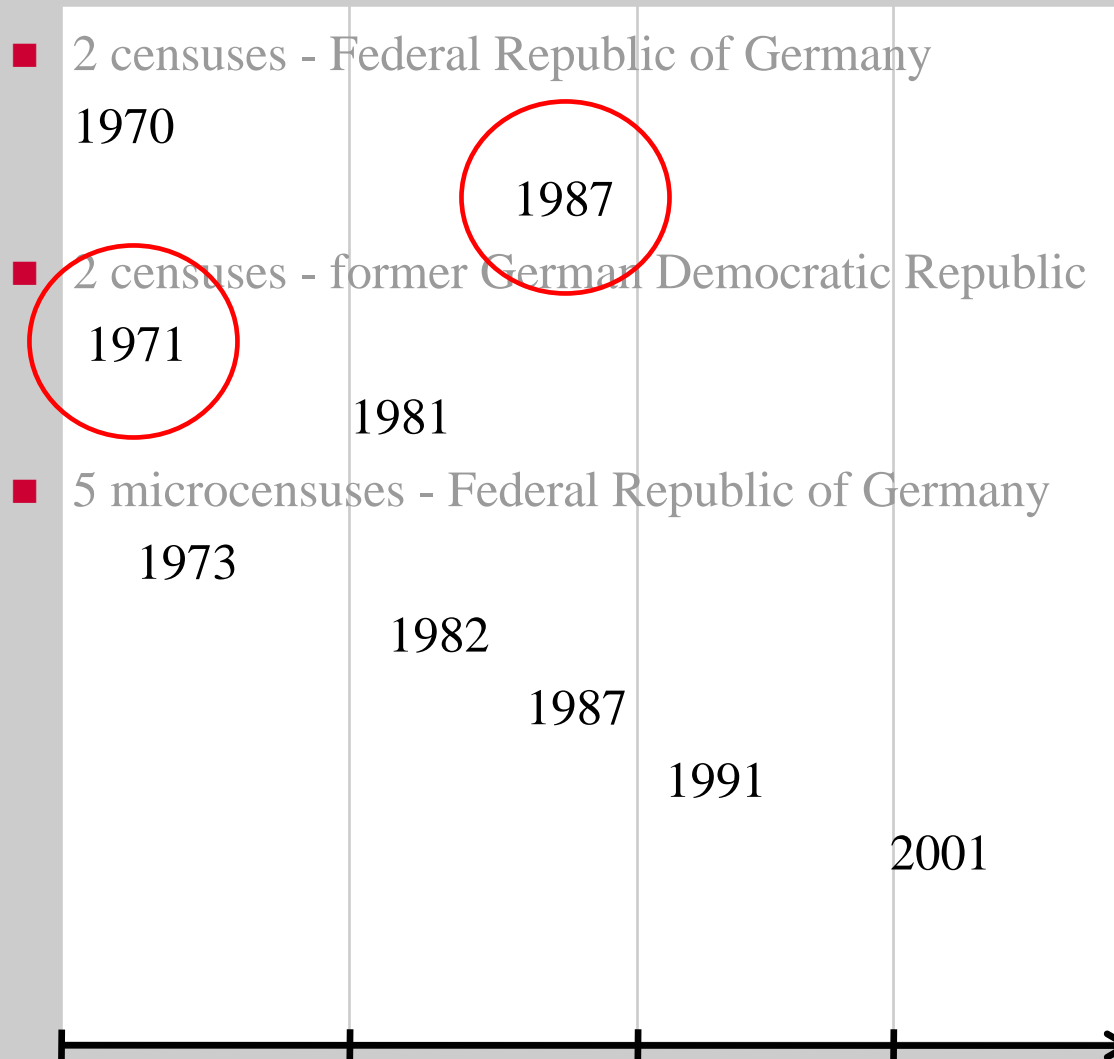
- Geographic detail
 - Reduced to federal state
 - Construction of a size of place variable with 4 categories

- Recoding of variables
 - At least 3 observations for each value of each variable
 - Top coding e.g. of age, floor space of rooms in dwelling

- Random sorting of buildings and households

1971 Census of the GDR

- Public Use File
 - 4,1 million persons
 - 50,000 in collective dwellings
 - 1,6 million households
 - 104 variables



Thank you!

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