Max-Planck-Institut für demografische Forschung
Max Planck Institute for Demographic Research
Konrad-Zuse-Strasse 1 · D-18057 Rostock · GERMANY
Tel +49 (0) 3 81 20 81 - 0; Fax +49 (0) 3 81 20 81 - 202;
http://www.demogr.mpg.de

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DemoDiff – Wave 1
Supplement to the pairfam Data Manual

Michaela Kreyenfeld (kreyenfeld@demogr.mpg.de)
Rainer Walke
Veronika Salzburger
Christine Schnor
Sonja Bastin
Anne-Kristin Kuhnt

DemoDiff

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Version 1.0

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Contents

1 Introduction

This document provides a documentation of the data set *DemoDiff* (Demographic Differences in Life Course Dynamics in Eastern and Western Germany). DemoDiff is a subsample of the German family panel *pairfam*[1]. The German family panel is a representative, multidisciplinary, longitudinal study for researching partner and family dynamics in Germany. The study began with its first wave in 2008 and will run for 14 years. Interview data are being gathered from a nationwide random sample of anchor persons of the three birth cohorts 1971-73, 1981-83 and 1991-93. As DemoDiff is only a subsample of the German family panel, it is structured in a similar fashion. This manual mainly describes how pairfam and DemoDiff deviate from each other. For the full documentation of the German family panel, see Brüderl, Ludwig, Passet, Pforr, Schütze and Schumann (2011).

The main differences between DemoDiff and pairfam are:

- DemoDiff only samples respondents who live in Eastern Germany (excluding West Berlin) at time of first interview
- It only samples the cohorts 1971-1973 and 1981-1983
- The first wave was conducted in 2009/10
- It used a shortened questionnaire of anchor (Table 2) and partner (Table 3)
- It follows a restricted multi-actor design as only the partners of the anchor person are surveyed, but not the (step-)parents or children
- It includes two additional questions (place of birth of anchor and of partner, see also Table 1)

The number of valid anchor respondent of DemoDiff wave 1 is 1,489 (751 from the cohorts 1981-1983 and 738 from the cohorts 1971-1973). Field work was conducted between November 2009 until March 2010 (for details on the field work, see Suckow, Wich and Schneekloth 2010).
Any questions and suggestions regarding DemoDiff can be directed to:

Michaela Kreyenfeld
Max Planck Institute for Demographic Research
Konrad-Zuse-Strasse 1
D-18057 Rostock
Phone: +49-381-2081-136
Fax: +49-381-2081-436
Email: Kreyenfeld@demogr.mpg.de.

1.1 Obtaining the data

Data are distributed together with the pairfam data. For instruction of how to obtain the pairfam data, see http://www.pairfam.de

1.2 Referencing the DemoDiff project

[1] Panel analysis of intimate relationships and family dynamics.

In order to cite DemoDiff, we recommend referring to this Technical Report as follows:

Michaela Kreyenfeld/ Walke, Rainer/ Salzburger, Veronika/ Schnor, Christine/ Bastin, Sonja/ Kuhnt, Anne-Kristin (2011): DemoDiff – Wave 1. Supplement to the pairfam Data Manual. Technical Report 2011-4. Max Planck Institute for Demographic Research.

2 Overview of the data structure

The data structure of DemoDiff is similar to pairfam. There are four main files:[2]

anchor1_DD_V1	Anchor data set
partner1_DD_V1	Partner data set
biochild1_DD_V1	Fertility history
biopart1_DD_V1	Partnership history
ca1weights_V1.dta	Weights for joint analyses of DemoDiff and pairfam

The questionnaire of DemoDiff is shorter than the pairfam-questionnaire. Furthermore, we have included two new variables on the place of birth of anchor and of his or her partner (see Table 1).

Table 1: Additional variables in DemoDiff

Geboz	Federal state of birth of anchor
Gebop	Federal state of birth of partner

If we dropped a question from the original pairfam-questionnaire we have still included the corresponding variables, but set them to "-10". Table 2 shows the list of the variables that have been set to "-10" in the anchor data set of DemoDiff. In addition, Table 3 shows the variables that have been set to "-10" in the partner data set.

Table 2: Variables <u>not</u> included in DemoDiff, anchor1_DD_V1

co1_	Future: Importance to be successful in job (Question 5)
bce1_	VOP+: Undertake activities with partner (Question 60)
sin1	Interest of potential partner (Question 61)
sin2	Interested in potential partner (Question 62)
sin4_	Dating possibilities (Question 65)
sin5_	Trying to find out sth. about personality (Question 66)
sin6_	Somebody like me always finds a partner (Question 67)
pa1_	Interested in partner (Question 68)
pa4	Partner introduced to parents (Question 77)
pa10_	feelings regarding common household (Question 83)

[2] For the organization of our work, we employed the program TortoiseSVN. We herewith acknowledge this software. The final data set was produced by the internal version 364.

pa12_	feelings regarding marriage (Question 85)
cps2	First request language partner survey (Question 96)
cps4	Handing over partner questionnaire right away (Question 99)
pa16_	Let partner know that I understand him/her (Question 101)
pa17_	Telling partner what you are thinking (Question 102)
pa18_	Partner finds it all right if I pursue own interests (Question 103)
pa19_	I hope relationship lasts for a long time (Question 106)
sat4	Estimation of partner's satisfaction with relationship (Question 105)
pa20_	Serious relationship problem: Prob. alcohol, medication, drugs (Question 107)
pa22xiy	Insulted or abused partner (Question 109)
pa23	Problems with alcohol, medication, or other drugs last year (Question 110)
pa24	Cheating past year (Question 111)
pa25	Arguments using physical force past year (Question 112)
pa28	Suggested a separation/divorce past year (Question 115)
sex1_	Age first sex (Question 116)
sat5	Contraception used past 3 months (Question 120)
Isr1_	Leisure time: Coffee stores, bars, restaurants (Question 138)
Isr2	Hours watching TV past week (Question 139)
Isr3	Hours spent on personal Internet use past week (Question 140)
Isr4	Weeks on vacation past year (Question 141)
Isr5_	Leisure with partner: Coffee stores, bars, restaurants (Question 142)
Isr6	Online profile on social network website (Question 143)
Isr7	Visibility of online profile (Question 144)
Isr8	Frequency of visit: Social network sites (Question 145)
hc11h1	Main residence: Monthly expenditures for rented ap./house (Question 157)
hc12h1	Main residence: Monthly expenditures for self-owned ap./house (Question 158)
hc11h2	Second Residence: Monthly expenditures for rented ap./house (Question 169)
hc12h2	Second Residence: Monthly expenditures for self-owned ap./house (Question 170)
igr6_	Year of death biological mother (Question 190)
igr8_	Year of death biological father (Question 192)
igr17_	Frequency: Arguments and fights with biol. mother (Question 202)
igr18_	Frequency: Arguments and fights with biol. father (Question 203)
sd25	Type of school currently attending (Question 208)
sd26	Grade in school (Question 209)
job5_	Owner of company: Anchor (Question 217)
job6_	Employed in own firm: Partner/spouse (Question 218)
job14	How easy to find suitable position? (Question 226)
per1_	I often agree with others, even if I'm not sure (Question 253)
hlt2	Number of times feeling low and melancholy past 4 weeks (Question 255)
hlt3	Body height in cm (Question 256)
hlt4	Weight in kg (Question 257)
hlt6	To what extent handicapped? (Question 259)
hlt7	Hours of sleep per night (Question 260)
cps6	Consent partner interview (Question 263)
cps7	Language partner interview (Question 264)
cps8_	Address partner (Question 265)
cps9	Leave partner questionnaire behind or mail (Question 266)
cps10	Send partner questionnaire per mail (Question 267)
cps11	Interviewer pick up partner questionnaire or mail (Question 268)
cps12	Hand out partner address sheet (Question 269)
int3	Attractiveness Anchor (Question 272)
Int8	Time handout partner questionnaire (Question 277)

Table 3: Variables <u>not</u> included in DemoDiff, partner1_DD_V1

pbce1_	Undertake activities with partner (Question 4)
psat3	Satisfaction with relationship (Question 5)

psat4	Estimation of partner's satisfaction with relationship (Question 6)
ppa19_	I hope relationship lasts for a long time (Question 12)
ppa16_	Anchor let partner know that I understand him/her (Question 13)
ppa22p_	Discussion behaviour (Question 15)
ppa17_	Handling of differences in relationship (Question 16)
ppa18_	Special situations in relationship (Question 17)
psat5	Satisfaction with sex life (Question 28)
plsr1i1	Leisure time with partner (Question 36)
pper1_	Often agree with others, even if I am not sure (Question 37)
phlt2	Number of times feeling low and melancholy past 4 weeks (Question 46)
phlt3	Body height in cm (Question 47)
phlt4	Weight in kg (Question 48)
phlt7	Hours of sleep per night (Question 49)
phlt6	To what extent handicapped? (Question 51)

3 Data editing

The pairfam group kindly provided us with the STATA codes that generated the "cleaned" pairfam data. We applied the codes to pairfam with only minor modifications that are explained below.

3.1 Anchor

Missing values
The coding of missing values follows the same logic as pairfam. However, there is an additional value (-10) which indicates that the respective question is not available in DemoDiff (see Table 4).

Table 4: Missing codes in Anchor1_DD_V1

Value	Label
-1	Don't know
-2	No answer (also: I don't want to answer that, answer refused)
-3	Does not apply
-4	Filter error / Incorrect entry
-5	Inconsistent value
-6	Unreadable answer
-7	Incomplete data
-10	Not in DemoDiff

Coding open answers
We have re-coded the open answers of the reasons against children (question 137, variable frt13i14), the employment status of the respondent (question 206, variable sd23i16o), other education (question 206, variable sd23i9o), and other type of job (question 206, variable sd23i16o). The list of recoding rules is available upon request.

Anonymization
We applied the same rules as pairfam and therefore recoded the same variables that could have prompted a de-annoymization of a respondent (for detailed information see Brüderl et al. 2010).

Filter checks and checks for consistency
We followed the same procedure as pairfam (see Table 11 in the Appendix).

In pairfam, question 129 (intention to have additional children) has been ambiguous. However, to guarantee comparability, we used the same phrasing of the question. We have not checked this variable in detail yet, but we presume that the problems associated with this variable are the same as in pairfam.

Different types of data sets
Same as in pairfam, English and German labels are available. Data are provided as STATA and SPSS files.

3.2 Partner data

The pairfam group provided us with the codes to clean and harmonize the partner data of DemoDiff.

Open answers
There were only two string variables in the partner data which had to be recoded (psd27o and pfrt13ix).

Anonymization
Same as in pairfam, string variables of psd27o (question number 41, highest educational achievement) and pfrt13i14o (question 31, reasons against children) which could not be assigned to any other category of the corresponding answer list were recoded to value 1 (“Other certificate mentioned” and “Other reason mentioned”).

Value, filter checks & checks for consistency
To check value ranges and filters, we applied the codes provided by the pairfam group (see Table 12 in the Appendix).

Generated variables
We did not construct any generated variables for the partner file (same as in pairfam).

Para data such as month and year of interview are included (pintm and pinty).

There is, however, no information on the language of the partner questionnaire (plng). In DemoDiff only German questionnaires have been issued.

4 Weights

Two types of post-stratification weights are provided for DemoDiff. The first set of weights “caweight” are designed for a standalone analysis of DemoDiff. The second set of weights (“ca1weight”) can be used if DemoDiff and pairfam are analyzed jointly. For constructing the weights, INFRATEST used the microcensus data from 2009. A problem arises here, because the first wave of pairfam was already conducted in 2008/2009. It should also be pointed out that the microcensus 2009 does not contain information on the number of children. Therefore, the weights do not adjust for the number of children. For details, see the accompanying documentation „Gewichtung und Validierung der Nettostichprobe“ provided by INFRATEST.

5 Process-generated variables

Same as in pairfam, we provide regional information where the anchor respondent lives at time of interview, such as federal state (bula), settlement type (bik) and size of the municipality (gkpol). Information on the area code (gkz) is not provided in the scientific use file.

6 Para data

Paradata include additional information on the survey, for example information about the interviewer and the interview. The available variables are listed in Table 5 .

Table 5: Para data

pairfam		**DemoDiff**		
Variable	**Variable label**	**Variable**	**Raw data**	**Variable label**
incont	Total number of interviewer contacts with respondent	int10i1	intein1p	Total number of interviewer contacts with respondent (personally)
		int10i2	intein1t	Total number of interviewer contacts with respondent (telephonic)
intsex	Interviewer’s sex	-	-	Not in DemoDiff
intage	Interviewer’s age	-	-	Not in DemoDiff

intid	Interviewer-ID	-	-	Not in DemoDiff
intdur	Duration of CAPI interview in minutes	-	dauer	Not in DemoDiff
intm	Date of interview: month	intm (generated in DD7)	-	Date of interview
intd	Date of interview: day	intd (generated in DD7)	-	Date of interview day
inty	Date of interview: year	inty (generated in DD7)	-	Date of interview year

7 Generated variables

We used the "quick starts" provided by the pairfam group. The quick starts generate new variables which have been appended to the anchor data set. We followed the same logic as pairfam, however, the following aspects need to be pointed out:

- The first wave of DemoDiff was undertaken in 2009/10 while pairfam was conducted in 2008/2009. This involves some adjustment in the Stata-.do-file that generates the consumer price index (cpi.do).
- Some minor recoding has been required. However, we refrained from major manual recoding. This involves that some variables have not been cleaned manually to the same extent in DemoDiff as it has been done in pairfam.[3] This applies to the manually cleaned variables in the following codes: cas.do and lfs.do
- The coding of the ISCO-variables has been done by INFRATEST (see the accompanying documents for details)
- We do not provide a generated variable for the sex ratio or the population density.

As the quick starts of pairfam and DemoDiff hardly differ, we do not provide them to the research community, but we are happy to pass them on upon request.

8 Episode data

Like pairfam we offer two episode data sets: one that contains information on the fertility and another one on the partnership history of anchor. We used the STATA code provided by the pairfam group (biopart.do and bio-child.do), but adapted it to the DemoDiff data.[4] For the cleaning of both histories, we

[3] By manually cleaning we mean that individual cases are checked and then recoded.

[4] The code contains some consistency checks that draw on the raw (non-anonymized) data. However, the user only has access to an anonymized file "anchor1_DD_V1.dta". Therefore, we commented the respective commands that refer to the non-anonymized data and included only the resulting imputations.

applied the same cleaning decisions as pairfam, e.g. we used century months[5] to organize the data and we provide information for each partnership and each child.[6] [7]

8.1 Anchor-partner episode data – biopart

Like in pairfam's biopart.do, we generated variables that denote the beginning and ending of a relationship (e.g. begp1, endp1, cohp1begin, cohp1end, marp1begin, marp1end). If there was a break in the relationship, this is denoted by separate variables (e.g. b1cohp0beg, b1cohp0end etc.). As we closely followed the pairfam strategy, we do not show a separate table for the DemoDiff variables, but refer to table 8.1 in the pairfam data manual (Brüderl et al. 2010). We also conducted the same inconsistency checks as the pairfam group. Table 7 to Table 9 in the appendix show to what extent a manual recoding of the relationship histories have been needed in DemoDiff. For comparison, also the numbers of cases that have been recoded in pairfam are shown.

We generated the same flags that were generated for pairfam (see Table 6). Please note that only few cases had to be flagged.

Table 6: Inconsistency flags, DemoDiff data set

Flag5	marriage before union start	0 cases
Flag6	Start of current and end of previous cohabitation (current partner)	0 cases
Flag7	Start of current and end of previous cohabitation (different partner)	0 cases
Flag8	Start of current and end of previous marriage	0 cases
Flag10	Divorce from a partner with whom no previous marriage has occurred	0 cases
Flag11	Separation through death/ divorce from current partner	0 cases
Flag12	Year of birth of current partner	0 cases
Flag14	Separation episodes before union start (current partner)	5 cases

8.2 Anchor-child episode data – biochild

[5] The starting point is January 1900, where January 1900 is assigned "zero", February 1900 "one" etc.

[6] The maximum number of partnerships in DemoDiff and pairfam differs: In pairfam the maximum number of prior partnerships is twelve, in DemoDiff it is nine. Therefore, we would have required fewer variables in DemoDiff than in pairfam to generate the partnership histories. However, to make both data sets equivalent, we generated the same number of variables. The result is that partnerships of higher orders (order 10 to 12) are coded as -3 (does not apply) in DemoDiff. The maximum number of children in both datasets is the same.

[7] Please note that the fertility and partnership histories of DemoDiff (biopart_DD_V1.dta and biochild_DD_V1.dta) contain some additional flags that denote that the month of occurrence of the event was imputed. These variables have all the prefix "IMP_".

Similar to the partnership histories, fertility histories have been cleaned based on the file “biochild.do” provided by the pairfam group. We do not show a separate table for the DemoDiff variables, but refer to table 8.2 in the pairfam data manual (Brüderl et al. 2010).[8]
Table 10 in the appendix displays the “checks” that have been used for the cleaning of the fertility histories of DemoDiff. There is only one flag variable (called “flag_15”) that we have generated for the fertility history, which indicates inconsistencies between the date of birth of the child and anchor. There is only one case for which this flag variable applies in DemoDiff.

9 Outlook

Same as in pairfam, the DemoDiff manual will be updated with each wave.

Different from pairfam, DemoDiff will follow a restricted multi-actor design. It is only the partner and anchor that will be surveyed in wave 2 and 3. The electronic event history calendar (EHC), for updating the existing episode data sets, will be included into DemoDiff, too.

Also the next waves of DemoDiff will be edited and produced by the same team that had been responsible for the questionnaire construction of wave 1. The research team of the Max Planck Institute for Demographic Research will continue to produce the anchor and partner data sets.

We hope that you could find all the needed information in this manual. For further questions, comments and suggestions don’t hesitate to contact us (kreyenfeld@demogr.mpg.de).

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Brüderl, Josef/ Castiglioni, Laura/ Krieger, Ulrich/ Ludwig, Volker/ Pforr, Klaus Schumann, Nina (2010): pairfam Data Manual Wave 1. University of Mannheim, Mannheim Centre for European Social Research. (March 4, 2010)

[8] pairfam includes variables that indicate whether the child co-resided with anchor. Furthermore, there are variables that indicate whether there was a break in the co-residence with the children of anchor. However, these breaks were only collected for children who did not co-reside with anchor at time of interview. For children who live with anchor at time of survey, this information is not available. For this reason, we refrained from generating a “break variable” here.

Appendix

Table 7: Recoding of the union histories in DemoDiff

Variable	Checks	Number of cases
Check1	Begp0 later than any end of separation (end of any break)	/
	Begp0 later than any beginning of separation (beginning of a break)	/
	Begp0 later than date of meeting	2 cases: meetp0=begp0
Check2	Negative durations relationship episodes	1 case (recoded)
	Cases where beginning and end of 2+ episodes are -1/-2	7 cases: episodes deleted
	Order not correct	1 case (recoded)
Check3	Negative durations separations	/
Check4	Inconsistencies across breaks	/
Check5	Negative durations	/
Check6	Inconsistencies across breaks	
Check6a	Beginning and end of subsequent episode before beginning and end of preceding episode?	1 case: order corrected
	Cases where beginning and end of 2+ episodes are -1/-2	4 cases: episodes deleted
Check6b	Subsequent episode (beginning and end) between beginning and end of preceding episode	/
Check6c	Beginning and end of two episodes identical (check if due to -1/-2 for month)	/
Check6d	Beginning of subsequent episode before beginning of preceding episode	/
Check6e	Beginning of subsequent episode before end of preceding episode	1 case: episode deleted (is part of preceding episode)
Check6f	End of subsequent episode before end f preceding episode	/
Check6g	End of subsequent episode before beginning of preceding episode; beginning of subsequent episode after beginning of preceding episode	/
Check6h	Beginning or end of preceding episode -1/-2	1 case: change order and delete episode
Check7	Check separations with -1/-2	
Check8	Beginning current relationship=beginning previous relationship = date of interview	/
Check9	Beginning current relationship=beginning previous relationship/ end of relationship=-1/-2 → delete previous relationship if names are identical	12 cases: episodes deleted
Check10	Beginning current relationship=beginning previous relationship → delete previous relationship if names are identical	8 cases: episodes deleted 2 cases left (no imputation)
Check11	Beginning previous relationship = intdat	/
Check12	End previous relationship=intdat; current relationship existing → delete previous relationship if names are identical	5 cases: episodes deleted
Check13	Search for identical names (current and previous partners) and only slightly different dates in non-anonymized data set)	Check was dropped
Check14	Any breaks if beg=-5?	2 cases: whole episode deleted
Check15	End=-1/-2 and current relationship existing; check partners names	4 cases: episodes deleted
Check16	Repeated checks across breaks	

Check16a	Beginning and end of subsequent episode before beginning and end of preceding episode?	/
Check16b	Subsequent episode (beginning and end) between beginning and end of preceding episode	/
Check16c	Beginning and end of two episodes identical (check if due to -1/-2 for month)	/
Check16d	Beginning of subsequent episode before beginning of preceding episode	/
Check16e	Beginning of subsequent episode before end of preceding episode	/
Check16f	End of subsequent episode before end f preceding episode	/
Check16g	End of subsequent episode before beginning of preceding episode; beginning of subsequent episode after beginning of preceding episode	/
Check16h	Beginning or end of preceding episode -1/-2	1 case: episode deleted
Check17	Episodes with beginning=end (maybe due to recoded -1/-2 to July in months)	
Check17a	Relationship episodes	/
Check17b	breaks	/
Check18	Identical names previous partners	Checked; already recoded cases
	Correct episodes of cohabitation and marriage (relationship is recoded to -5 but coh./marriage dates exist.)	4 cases: combine variables
	Beginning and end relationships: censoring	
	Current relationship: beginning left censored (-77) if month/year=-1/-2/-5	8 cases
	Previous relationships: beginning left censored (-77) if month/year=-1/-2/-5 and valid end	59 cases
	Current relationship: end already right-censored (-99) or -3 (if currently no relationship)	/
	Previous relationships: end right-censored (-88) if -1/-2/-5	55 cases
	How many cases with beginning (-77) and end (-88)	47 cases
	Beginning and end separations (breaks): censoring	
	Separations current relationship: beginning left-censored if month/year=-1/-2/-5 and valid end	12 cases
	Separation previous relationship: beginning left-censored if month/year=-1/-2/-5 and valid end	/
	Separation current relationship: end right-censored(-88) if beginning valid -77	10 cases
	Separation previous relationships: end right-censored(-88) if beginning valid -77	7 cases
	Separations current relationship: delete episode if beginning and end are censored (-77 and -88)	7 cases
	Separations previous relationship: delete episode if beginning and end are censored (-77 and -88)	3 cases

Table 8: Recoding of the cohabitation histories in DemoDiff

Variable	Check for inconsistencies	Number of cases
Check19	Negative durations	/
	Any break?	21 cases
Check20	Inconsistencies across breaks	
Check20a	Beginning and end of subsequent episode before beginning and end of preceding episode?	/
Check20b	Subsequent episode (beginning and end) between beginning and end of preceding episode	/
Check20c	Beginning and end of two episodes identical (check if due to -1/-2 for month)	/
Check20d	Beginning of subsequent episode before beginning of preceding episode	/
Check20e	Beginning of subsequent episode before end of preceding episode	2 cases: episodes deleted
Check20f	End of subsequent episode before end f preceding episode	/
Check20g	End of subsequent episode before beginning of preceding episode; beginning of subsequent episode after beginning of preceding episode	/
Check20h	Beginning or end of preceding episode -1/-2	1 case: episode deleted
	Cohabitation breaks	
	Beginning=end	/
	Any break?	18 cases
	Any end of break=date of interview?	
	Check for inconsistencies	
Check21	Negative durations	/
	Any break?	22 cases
Check22	Inconsistencies across breaks	
Check22a	Beginning and end of subsequent episode before beginning and end of preceding episode?	/
Check22b	Subsequent episode (beginning and end) between beginning and end of preceding episode	/
Check22c	Beginning and end of two episodes identical (check if due to -1/-2 for month)	/
Check22d	Beginning of subsequent episode before beginning of preceding episode	/
Check22e	Beginning of subsequent episode before end of preceding episode	/
Check22f	End of subsequent episode before end f preceding episode	/
Check22g	End of subsequent episode before beginning of preceding episode; beginning of subsequent episode after beginning of preceding episode	/
Check22h	Beginning or end of preceding episode -1/-2	1 case: no change
	Cohabitation breaks	
	Any break?	4 cases
Check23	Any end of break=date of interview?	/
	Cohabitation previous partners: beginning and end	
	Beginning left censored (-77) if -1/-2 and valid end	
	End right-censored (-88) if beginning valid or (-77)	
	Cases with -5 for beginning/ end	2 cases: episode deleted
	Cases with -3 for beginning/ -5 for end	1 case: episode deleted

Table 9: Recoding of the marital histories in DemoDiff

Variable	Checks	Number of cases
Check24	First meeting occurs after marriage	1 case: mardate=meetingdate
Check25	Beginning of relationship occurs after marriage	4 cases: one case recoded (missing month new recoded)
	Check for inconsistencies	
Check26	Beginning of relationship and marriage (previous partners)	1 case: no change
Check27	Marriage with same partner currently and in the past?	/
Check28	Beginning of relationship after marriage	4 cases for which date of marriage are outside the range of the partnership, cases were flagged out
Check29	End of relationship before beginning of marriage	2 cases for which date of marriage are outside the range of the partnership, cases were flagged out
Check30	End of previous marriage after beginning of current marriage	/
Check31	Wrong order of relationships (not ascending)	678 cases (mostly because of begp0)
	Wrong order in one of the previous relationships (special case)	12 cases: order recoded

Table 10: Recoding of the fertility histories in DemoDiff

Variable	Checks	Recoding
Check1	[date of birth] after [beginning of living together]	1 case: recoded
Check2	[beginning of living together] after [break(s)] & [beginning of living together] before [end]	0 cases
Check3	inconsistent order of [break(s)]	0 cases
Check4	[break(s)] after [end of living together]	0 cases
Check5	[end of living together] after [date of interview]	0 cases
Check6	[end of living together] after [death of child]	0 cases
Check7	beginning of living together = end of living together	1 case (no changes necessary)
Check8	end of living together = date of interview	1 case (no changes necessary)
Check30[9]	Wrong order of children	28 cases (corrected)
	Checked with the partnership information if the report of the biological parent is consistent. Previous partners are named as biological parents, while they are also the current partners. The variable park"order of child" was corrected.	2 cases
	A cross-check with the non-anonymized data set shows that there is no double reporting of children.	0 cases
	The difference between the date of birth of anchor and the date of birth of a biological is only four months. Flag15 indicates inconsistencies of this kind.	1 case

[9] Check30 brings the birthdates of all children into the chronological order. However, in cases that the years of birth of any of the children have been missing (10 cases in DemoDiff) we refrained from any re-ordering here.

Table 11: Documentation of data errors in data set anchor1_DD_V1 (assignment of missing codes -4, -5, -6)

Variable	Label and question	Cases	Specification of error	Coding
sd4n	Name current partner (Question 8)	33	Answer not readable	-6
sd5e1bm	Month beginning relationship with current partner (Question 9)	5	Inconsistent value, separation episode is before the beginning of the relationship, see documentation flag14	-5
sd5e1by	Year beginning relationship with current partner (Question 9)	5	Inconsistent value, separation episode is before the beginning of the relationship, see documentation flag14	-5
rtr1p1n	Name partner 1 (Question 24)	56	Answer not readable	-6
rtr1p2n	Name partner 2 (Question 24)	22	1 respondent: incorrect entry 172 respondents: answer not readable	-4 -6
rtr1p3n	Name partner 3 (Question 24)	6	Answer not readable	-6
rtr1p4n	Name partner 4 (Question 24)	1	Answer not readable	-6
sd14k1n	Name child 1 (Question 43)	30	Answer not readable	-6
sd14k2n	Name child 2 (Question 43)	13	Answer not readable	-6
sd14k3n	Name child 3 (Question 43)	3	Answer not readable	-6
rtr21k1	Previous residence child 1 (Question 58)	1	Filter error 1 respondent: question not asked by mistake	-4
sdp1y	Year of birth current partner (Question 71)	2	Inconsistent value, see documentation flag12	-5
sdp2i12	Citizenship partner: From another country (Question 72)	2	Incorrect entry (Correction in assignment of citizenship sdp2i1 - sdp2i11)	-4
sdp2i12o	Country of other citizenship partner (Question 72)	2	Incorrect entry (Correction in assignment of citizenship sdp2i1 - sdp2i11)	-4
sdp6o	Other country of birth current partner (Question 76)	3	3 respondents: incorrect entry (correction in assignement to country in sdp6)	-4
frt8	Plans to adopt child, become foster parent next two years (Question 132)	32	Pregnant respondents respectively respondents expecting a child	-4
frt9	Realistic age when having first/next child (Question 133)	1	Filter error due to correction of year of birth (doby) 1 respondents: question asked by mistake	-4
hc2	Main residence (Question 147)	4	Filter error due to correction of residences (hc1pXi1),	-4

			question erroneously posed to respondents with only one residence (sum (hc1pXi1=1)=1) question asked by mistake	
hc3	Second Residence (Question 148)	76	Filter error, error in CAPI program, question erroneously posed to respondents with two residence (sum (hc1pXi1=1)=2) question asked by mistake	-4
hc6h1	Main residence: Frequency of use (Question 151)	4	Filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence question asked by mistake	-4
hc8h1p1	Main residence: Name person 1 (Question 153)	160	117 respondents: incorrect entry, relationship with partner, biological child, partner's child indicated and the name is the same as the previously provided name of the cohabitating partner/child (sd4n / sd14kXn) 9 respondents: inconsistent value, answer is inconsistent with answer concerning cohabitating partner/child, see documentation for variables flag2-flag4 34 respondents: name unreadable	-4 -5 -6
hc8h1p2	Main residence: Name person 2 (Question 156)	120	80 respondents: incorrect entry, see hc9h1p1 10 respondents: inconsistent value, see hc9h1p1 30 respondents: name unreadable	-4 -5 -6
hc8h1p3	Main residence: Name person 3 (Question 156)	56	42 respondents: incorrect entry, see hc9h1p1 6 respondents: inconsistent value, see hc9h1p1	-4 -5 -6

			8 respondents: name unreadable	
hc8h1p4	Main residence: Name person 4 (Question 156)	25	23 respondents: incorrect entry, see hc9h1p1 1 respondents: inconsistent value, see hc9h1p1 1 respondents: name unreadable	-4 -5 -6
hc8h1p5	Main residence: Name person 5 (Question 156)	2	2 respondents: incorrect entry, see hc9h1p1	-4
hc8h1p6	Main residence: Name person 6 (Question 156)	1	1 respondents: incorrect entry, see hc9h1p1	-4
hc9h1p1	Main residence: Relationship to person 1 (Question 154)	125	117 respondents: incorrect entry, relationship with partner, biological child, partner's child indicated and the name is the same as the previously provided name of the cohabitating partner/child (sd4n / sd14kXn) 8 respondents: inconsistent value, answer is inconsistent with answers concerning cohabitating partner/child, see documentation for variables flag2-flag4	-4 -5
hc9h1p2	Main residence: Relationship to person 2 (Question 154)	90	80 respondents: incorrect entry, see hc9h1p1 10 respondents: inconsistent value, see hc9h1p1	-4 -5
hc9h1p3	Main residence: Relationship to person 3 (Question 154)	48	42 respondents: incorrect entry, see hc9h1p1 6 respondents: inconsistent value, see hc9h1p1	-4 -5
hc9h1p4	Main residence: Relationship to person 4 (Question 154)	24	23 respondents: incorrect entry, see hc9h1p1 1 respondents: inconsistent value, see hc9h1p1	-4 -5
hc9h1p5	Main residence: Relationship to person 5 (Question 154)	2	2 respondents: incorrect entry, see hc9h1p1	-4
hc9h1p6	Main residence: Relationship to person 6 (Question 154)	1	1 respondents: incorrect entry, see	-4

			hc9h1p1	
hc10h1p1	Main residence: Gender person 1 (Question 155)	126	117 respondents: incorrect entry, relationship with partner, biological child, partner's child indicated and the name is the same as the previously provided name of the cohabitating partner/child (sd4n / sd14kXn) 9 respondents: inconsistent value, answer is inconsistent with answers concerning cohabitating partner/child, see documentation for variables flag2-flag4	-4 -5
hc10h1p2	Main residence: Gender person 2 (Question 155)	90	80 respondents: incorrect entry, see hc9h1p1 10 respondents: inconsistent value, see hc9h1p1	-4 -5
hc10h1p3	Main residence: Gender person 3 (Question 155)	48	46 respondents: incorrect entry, see hc9h1p1 2 respondents: inconsistent value, see hc9h1p1	-4 -5
hc10h1p4	Main residence: Gender person 4 (Question 155)	24	23 respondents: incorrect entry, see hc9h1p1 1 respondents: inconsistent value, see hc9h1p1	-4 -5
hc10h1p5	Main residence: Gender person 5 (Question 155)	2	2 respondents: incorrect entry, see hc9h1p1	-4
hc10h1p6	Main residence: Gender person 6 (Question 155)	1	1 respondents: incorrect entry, see hc9h1p1	-4 -
hc4h2	Second Residence: Type of household (Question 161)	4	Filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence (Sum (hc1pXi1=1)=1), question asked by mistake	-4
hc5h2	Second Residence: Ownership of apartment/house (Question 162)	4	Filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only	-4

			one residence	
hc6h2	Second Residence: Frequency of use (Question 163)	4	Filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence	-4
hc7h2	Second Residence: Household grid (Question 164)	3	Filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence	-4
hc8h2p1	Second Residence: Name person 1 (Question 165)	22	11 respondents: filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence 2 respondent: incorrect entry 9 respondent: inconsistent value, see documentation for flag2	-4 -4 -5
hc8h2p2	Second Residence: Name person 2 (Question 168)	12	5 respondents: filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence 7 respondents: answer not readable	-4 -6
hc8h2p3	Second Residence: Name person 3 (Question 168)	7	3 respondents: filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence 4 respondents: answer not readable	-4 -6
pfrt13i7	Reasons against child: Not able to afford as much (Question 31)	5	Filter error, question answered by mistake	-4
hc9h2p1	Second Residence: Relationship to person 1 (Question 166)	13	11 respondents: filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence 2 respondent: inconsistent value, see documentation for flag2	-4 -5
hc9h2p2	Second Residence: Relationship to person 2 (Question 166)	5	Filter error due to correction of residence (hc1pXi1), question	-4

			erroneously posed to respondents with only one residence	
hc9h2p3	Second Residence: Relationship to person 3 (Question 166)	3	Filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence	-4
hc10h2p1	Second Residence: Gender person 1 (Question 167)	13	11 respondents: filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence 2 respondent: inconsistent value, see documentation for flag2	-4 -5
hc10h2p2	Second Residence: Gender person 2 (Question 167)	5	Filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence	-4
hc10h2p3	Second Residence: Gender person 3 (Question 167)	3	Filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence	-4
hc13h2	Second Residence: Square meters ap./house (Question 171)	1	Filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence (Sum (hc1pXi1=1)=1), question asked by mistake	-4
hc14h2	Second Residence: Number of rooms (Question 172)	2	Filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence (Sum (hc1pXi1=1)=1), question asked by mistake	-4
hcp4h	Time (hours) from 2nd residence to partner (Question 176)	2	Filter error due to correction of residence (hc1pXi1), question erroneously posed to respondents with only one residence (Sum (hc1pXi1=1)=1), question asked by mistake	-4
mig1i12	Citizenship: Another country	9	Incorrect entry	-4

	(Question 180)		(Correction in assignment of the citizenship mig1i1 - mig1i11)	
mig1i12o	Country Citizenship (Question 180)	9	Incorrect entry (Correction in assignment of the citizenship mig1i1 - mig1i11)	-4
mig4o	Other country of birth (Question 183)	2	Incorrect entry (correction in assignment of native country mig4)	-4
igr1y	Year of birth biological mother (Question 185)	3	Inconsistent value, see documentation flag13	-5
igr2y	Year of birth biological father (Question 186)	2	Inconsistent value, see documentation flag13	-5
igr3o	Other country of birth mother (Question 187)	21	21 respondents: incorrect entry (correction in assignment of native country igr3)	-4
igr4o	Other country of birth father (Question 188)	15	15 respondents: incorrect entry (correction in assignment of native country igr4)	-4
mig6i12	Citizenship mother: From another country (Question 193)	8	Incorrect entry (Correction in assignment of the citizenship mig6i1 - mig6i11)	-4
mig6i12o	Country other citizenship mother (Question 193)	8	Incorrect entry (Correction in assignment of the citizenship mig6i1 - mig6i11)	-4
mig7i12	Citizenship father: From another country (Question 194)	10	Incorrect entry (Correction in assignment of the citizenship mig6i1 - mig6i11)	-4
mig7i12o	Country other citizenship father (Question 194)	10	63 respondents: incorrect entry (Correction in assignment of the citizenship mig6i1 - mig6i11) 1 respondent: answer not readable	-4 -6
sd23i16	Currently: Other type of job (Question 206)	8	Incorrect entry (correction in assignment of the occupation sd23i1 - sd23i22)	-4
sd23i16o	Currently: Other type of job, namely (Question 206)	8	Incorrect entry (correction in assignment of the occupation sd23i1 -	-4

			sd23i22)	
sd24	Multiple jobs (Question 207)	9	Filter error due to correction of current occupation (sd23iX)	-4
job1	Current occupation (Question 213)	30	Filter error due to correction of current occupation (sd23iX) 22 respondents: question asked by mistake 8 respondents: answer not readable	-4 -6
job2	Current occupational status (Question 214)	8	Filter error due to correction of current occupation (sd23iX) 8 respondents: question asked by mistake	-4
job3	Temporary employment contract (Question 215)	6	Filter error due to correction of current occupation (sd23iX) question asked by mistake	-4
job4	Public sector (Question 216)	6	Filter error due to correction of current occupation (sd23iX) question asked by mistake	-4
job7	Working hours per week (Question 219)	8	Filter error due to correction of current occupation (sd23iX) 7 respondents: question asked by mistake 1 respondents: question not asked by mistake	-4 -4
job8	Work schedule arrangements (Question 220)	8	Filter error due to correction of current occupation (sd23iX) 7 respondents: question asked by mistake 1 respondents: question not asked by mistake	-4 -4
job9	Frequently work after 7 p.m. (Question 221)	8	Filter error due to correction of current occupation (sd23iX) 7 respondents: question asked by mistake 1 respondents: question not asked by mistake	-4 -4
job10	Main location of work (Question 222)	8	Filter error due to correction of current occupation (sd23iX) 7 respondents: question asked by	-4 -4

			mistake 1 respondents: question not asked by mistake	
job12	Nights spent not at home due to work past 3 months (Question 224)	7	Filter error due to correction of current occupation (sd23iX) question asked by mistake	-4
job13i1 - job13i7	Work under heavy time pressure (Question 225) - Close relationship with colleagues (Question 225)	8	Filter error due to correction of current occupation (sd23iX) 7 respondents: question asked by mistake 1 respondents: question not asked by mistake	-4 -4
job15	Number of times commuting from home 1 to work (Question 227)	7	Filter error due to correction of current occupation (sd23iX) question asked by mistake	-4
job16h	Hours spent commuting from home 1 to work (Question 228)	7	Filter error due to correction of current occupation (sd23iX) question asked by mistake	-4
job16m	Minutes spent commuting from home 1 to work (Question 228)	7	Filter error due to correction of current occupation (sd23iX) question asked by mistake	-4
job17	Number of times commuting from home 2 to work (Question 229)	3	Filter error due to error concerning residence, main residence and second residence (hc2, hc3), question asked by mistake	-4
job18h	Hours spent commuting from home 1 to work (Question 230)	3	Filter error due to error concerning residence, main residence and second residence (hc2, hc3), question asked by mistake	-4
job18m	Minutes spent commuting from home 1 to work (Question 230)	3	Filter error due to error concerning residence, main residence and second residence (hc2, hc3), question asked by mistake	-4
inc2	Net income last month (Question 232)	8	Filter error due to correction of year of birth (doby) / correction of current occupation (sd23iX) 4 respondents: question	-4

			asked by mistake 6 respondents: question not asked by mistake	
inc3	Approximation net income (Question 233)	2	Filter error due to correction of year of birth (doby) / correction of current occupation (sd23iX), question asked by mistake	-4

Table 12: Documentation of data errors in data set partner1_DD_V1 (assignment of missing codes -3, -4)

Variable	Label and question	Cases	Specification of error	Coding
psex6i1	Contraception: Birth control pill, minipill (Question 25)	15	Filter error, respondents haven't used contracetion or expect a child (psex5,-2,-1,2,7)	-4
psex6i2	Contraception: Condom (Question 25)	15	Filter error, question answered by mistake	-4
psex6i3	Contraception: Hormone preparations (Question 25)	15	Filter error, question answered by mistake	-4
psex6i4	Contraception: Coil (Question 25)	15	Filter error, question answered by mistake	-4
psex6i5	Contraception: Diaphragm, foam, suppository, gel (Question 25)	15	Filter error, question answered by mistake	-4
psex6i6	Contraception: Natural birth control (Question 25)	15	Filter error, question answered by mistake	-4
psex6i7	Contraception: Female sterilization (Question 25)	15	Filter error, question answered by mistake	-4
psex6i8	Contraception: Male sterilization (Question 25)	15	Filter error, question answered by mistake	-4
psex6i9	Contraception: Withdrawal method, Coitus interruptus (Question 25)	15	Filter error, question answered by mistake	-4
psex6i10	Contraception: The morning-after pill (Question 25)	15	Filter error, question answered by mistake	-4
psex6i11	Contraception: Something else (Question 25)	15	Filter error, question answered by mistake	-4
psex7	How consistently used contraception? (Question 26)	18	Invalid multiple answer	-9
pfrt1	Possible to conceive naturally (Question 27)	1	Invalid multiple answer	-9
pfrt13i1	Reasons against child: State of health (Question 31)	2	Filter error, question answered by mistake, respondents might have (further) children (pfrt6=1,2,3,4,5,6,-2)	-4
pfrt13i2	Reasons against child: Already have number of children wanted (Question 31)	8	Filter error, question answered by mistake	-4
pfrt13i3	Reasons against child: Single and living alone (Question 31)	1	Filter error, question answered by mistake	-4
pfrt13i4	Reasons against child: Conflict with job goals (Question 31)	3	Filter error, question answered by mistake	-4
pfrt13i6	Reasons against child: Reduce personal freedom (Question 31)	1	Filter error, question answered by mistake	-4
pfrt13i7	Reasons against child: Not able to afford as much (Question 31)	5	Filter error, question answered by mistake	-4
pfrt13i8	Reasons against child: Worry about future (Question 31)	7	Filter error, question answered by mistake	-4
pfrt13i9	Reasons against child: Enjoy life (Question 31)	1	Filter error, question answered by mistake	-4
pfrt13i10	Reasons against child: Anchor too old/partner too old (Question 31)	1	Filter error, question answered by mistake	-4

pfrt13i12	Reasons against child: Relationship isn't working as well (Question 31)	1	Filter error, question answered by mistake	-4
pfrt13i13	Reasons against child: Would overburden me (Question 31)	2	Filter error, question answered by mistake	-4
pfrt13i14	Reasons against child: Other reason (Question 31)	3	Filter error, question answered by mistake	-4
pfrt13i14o	Reasons against child: Other reason (Question 31)	3	Filter error, question answered by mistake due to correction (assignment to reasons against children, pfrt13i1,\dots, pfrt13i13)	-4
pfrt7	Intention to become mother/father within next two years (Question 32)	226	2 respondents: invalid multiple answer	-9
pfrt9	Realistic age when having first/next child (Question 33)	188	Filter error, question answered by mistake, respondents haven't thought about or don't want to have (more) children (pfrt6=6,7)	-4