

UNIONS' HISTORIES FROM BHPS

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This file "UNIONS.dta" has been built on the basis of Chiara Pronzato's "FAMILY.dta" file and comprises BHPS waves 1 to 15. Here, inconsistencies or missing information found in those data with respect to the union histories of respondents has been corrected and harmonized, when possible.

The file is presented in the "long" format, rather than the "wide" format chosen in the "FAMILY.dta" file, which means that each record (row) will carry information only about a spell of individual respondent's union history, so that the union history for each individual will normally take more than one row. For example, a first cohabitation spell with his/her partner, followed -in the next row- by a marital spell with the same partner, and by a third of a subsequent cohabitation with a different partner, which might be followed by further spells for subsequent unions for the same individual.

Example of records for two respondents is provided below:

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+-----+
|      pp  hh_union  spell  spell_new  union  partner  start_~e  stop_d~e |
+-----+
| 10014608      1      1      1      1    10014578      718      1270 |
+-----+
| 10016848      3      1      1      2    10016813      953      955 |
| 10016848      3      2      2      1    10016813      955      1181 |
| 10016848    1287      3      1      2    93241844     1192     1265 |
| 10016848    1287      4      2      1    93241844     1265     1271 |
+-----+
```

This data also contain a single identifier for each union (between the same two partners) ever present (and identified) in at least one wave of the panel (**hh_union**). Please note that subsequent unions of an individual with a different partner will have different union's identifier while two spells of a union (cohabitation followed by marriage) between the same two individuals, are defined here as belonging to the same union (examples provided above are of hh_union=3 and hh_union=1287, which is to say that pp=10014608 has been part of two different unions and his/her records comprise four rows in the data file).

Union spells containing missing information (value -1) on the date of start or end of a union, or missing identification of the partner (variable “partner” with value -1) have not been treated but have been left as present in Chiara’s file only (they can be distinguished by value -1 on the variable files).

Additionally, information on the dates given by the partner for the same union spell (if present) was added (variables p_ts and p_tf), as well as respondents’ time of birth in century month coding (tb), respondents’ sex (sex) and an indicator whether the union was made of same-sex or different-sex components (samesex). Please note that the values of date of birth (tb, also present as birth in FAMILY.dta) may report a few discordant values from those contained in Chiara’s file. This is because the data contained in this file were collected from both individuals’ and households’ interviews, they were contrasted and corrected to increase precision (when information on month was missing in either sources), substitute for missing values (when valid values were present instead in the other source) and corrected for discrepancies (when reported date of birth was changing across waves for the same individual). Syntax and documentation is available upon request.

Some records have been added to Chiara’s file, when information about a union (starting date, ending date and type of union) was present on the record(s) of the other partner (who might have been the only respondent to the survey for that year). These records contain thus “rebuilt information” from what was given by the other partner (only). These records can be distinguished by the missing information on the variables original from the FAMILY.dta file, and from the value “1” on the files variable.

PRINCIPLES GUIDING CORRECTION AND HARMONIZATION:

Information derived from each and both partners' declared histories have been compared and harmonized following the subsequent guidelines:

1) Exact information about starting/ending date given by one partner is thought to be more correct than the estimated one on the other partner (example A of hh_union==3446)

2) A more recent information, given by one partner, about the duration of a relationship which was still ongoing was given priority (example B of h_pid==1444)

3) When discordant information was detected between partners' answers – overlapping of spells or lags between dates given- the partnership histories of both (plus that of any other individuals involved in any of the intertwined unions) were explored (examples C, D, E and F of h_pid==1377 or 3139 or 3180)

4) When reported unions date coincided BUT there was discrepancy on the type of union entered, subsequent/antecedent unions were explored or cohabitation (union=2) was preferred over marriage (examples G and H of h_pid==2178 and 5999)

Example A of case (1) with -additionally- correction for union type (in presence of a discrepancy between partner's answers, I chose to give prevalence to the answer of the second partner, that was exact in all other respects too, and given it might be legally difficult to marry a second partner after just 8 months from a separation/divorce, see "end" of first union spell=2)

pp	hh	hh_union	spell	union	partner	start_~e	stop_d~e	end	union_~w	ts	tf	sex	tb	files
15414418	1451316	.	1	1	-1	921	975	2	.	.	.	.	.	-1
15414418	2575957	3446	2	1	15414442	983	1210	6	2	983	1210	female	645	0
15414442	1451316	3446	1	2	15414418	983	1212.5	6	2	983	1210	male	676	0

Example B of case (2) whereby the length of a union was harmonized by stretching one of partner's declared spell to the most recent date given by either of them (this was if partners declared to be currently together, and one seemed to be reporting the information later than the other). Please note that one of the partners had also declared a previous spell of cohabitation with the SAME partner (same value on "hh_union"). Such spell has not been retained because the starting date was missing, not allowing the location of its temporal origin.

pp	hh	hh_union	spell	union	partner	start_~e	stop_d~e	end	union_~w	ts	tf	sex	tb	files
10948333	1079069	1444	1	1	10948368	820	<u>1114</u>	6	1	820	<u>1131</u>	male	477	0
10948368	1079069	1444	1	1	10948333	820	1131	6	1	820	1131	female	558	0
10948368	2085186	1444	2	2	10948333	-1	820	5	.	.	.	.	.	-1

Example C of case (3) here union type was changed to harmonize both partners' accounts of the same union.

pp	hh	hh_union	spell	union	partner	start_~e	stop_d~e	end	union_~w	ts	tf	sex	tb	files
10061649	1005146	.	1	2	-1	1026.5	1072	4	.	.	.	.	.	-1
10061649	2004291	.	2	2	-1	1083	1109	4	.	.	.	.	.	-1
10061649	3004023	1377	3	2	74694537	1162	1271	6	2	1162	1271	male	755	0
74694537	.	1377	1	<u>1</u>	10061649	1162	1271	6	<u>2</u>	1162	1271	female	788	0

Example D of case (3) where starting, ending dates and union type were harmonized with respect to the union histories of any individuals' involved in subsequent partnerships.

pp	hh	hh_union	spell	union	partner	start_~e	stop_d~e	end	union_~w	ts	tf	sex	tb	files
12104876	1175432	.	1	1	-1	926	982	2	.	.	.	.	.	-1
12104876	2213095	1885	2	2	12104906	964	1029	5	2	964	1029	male	690	0
12104876	3193497	1885	3	1	12104906	1029	<u>1180</u>	2	1	1029	1180	male	690	0
12104876	4147995	3139	4	1	87226626	<u>1180</u>	1269	6	2	1180	1269	male	690	0
12104906	1175432	.	1	2	-1	950	954	4	.	.	.	.	.	-1
12104906	2213095	1885	2	2	12104876	964	1029	5	2	964	1029	female	713	0
12104906	3193497	1885	3	1	12104876	1029	<u>1179.5</u>	2	1	1029	<u>1180</u>	female	713	0
12104906	4147995	.	4	1	-1	1215.5	1254	2	.	.	.	.	.	-1
87226626	.	3139	1	2	12104876	<u>1180</u>	1269	6	2	1180	1269	female	694	0

Example E of case (3) where starting, ending dates and union type were harmonized with respect to the union histories of any individuals' involved in subsequent partnerships.

pp	hh	hh_union	spell	union	partner	start_~e	stop_d~e	end	union_~w	ts	tf	sex	tb	files
12562858	1213598	3180	1	2	56776926	1121	<u>1123.5</u>	4	1	1121	<u>1124</u>	female	916	0
12562858	2258781	3099	2	2	32006888	<u>1124</u>	<u>1143.5</u>	4	2	1124	<u>1137</u>	female	916	0
12562858	3234363	4190	3	2	134392345	1237	1270	6	2	1237	1270	female	916	0
32006888	.	3099	1	2	12562858	<u>1124</u>	1137	6	2	1124	1137	male	867	0
56776926	.	3180	1	1	12562858	1121	<u>1233</u>	6	1	1121	<u>1124</u>	male	693	0
134392345	.	4190	1	2	12562858	1237	1270	6	2	1237	1270	male	1000	0

Example E of case (3) where starting, ending dates and union type were harmonized with respect to the union histories of any individuals' involved in subsequent partnerships.

pp	hh	hh_union	spell	union	partner	start_~e	stop_d~e	union_~w	ts	tf	sex	tb	files
12231398	1185977	9695	1	2	12231428	-1	1108.5	.	.	.	.	.	-1
12231398	2224038	9695	2	1	12231428	1112	1151	1	1112	1136	male	853	0
12231398	3203581	9921	3	2	67291163	1155.5	1168	2	1155.5	1168	male	853	0
12231428	1185977	9695	1	2	12231398	-1	1108.5	.	.	.	.	.	-1
12231428	2224038	9695	2	1	12231398	1112	1159.5	1	1112	1136	female	856	0
12231428	3203581	66	3	2	41335406	1136	1157.5	2	1136	1157.5	female	856	0
12231428	4155904	67	4	1	85744107	1182	1271	1	1179	1271	female	856	0
41335406	.	66	1	2	12231428	1136	1157.5	2	1136	1157.5	male	886	0
67291163	.	9921	.	.	12231398	.	.	2	1155.5	1168	female	871	1
85744107	.	67	1	1	12231428	1179	1271	1	1179	1271	male	803	0

Examples G & H of case (4) where a mismatch was found between union types declared by the partners.

pp	hh	hh_union	spell	union	partner	start_~e	stop_d~e	end	union_~w	ts	tf	sex	tb	files
10892346	1074393	.	1	1	-1	909	1002.5	2	.	.	.	.	.	-1
10892346	2080591	.	2	1	-1	1042	1083	2	.	.	.	.	.	-1
10892346	3073963	2178	3	2	60483342	1158	1270	6	2	1158	1273	2	621	0
60483342	.	2178	1	1	10892346	1158	1273	6	2	1158	1273	1	672	0

pp	hh	hh_union	spell	union	partner	start_~e	stop_d~e	end	union_~w	ts	tf	sex	tb	files
15523012	1460366	.	1	1	-1	978	1075	3	.	.	.	.	.	-1
15523012	2587785	4560	2	2	53196147	1140	1161	5	2	1140	1161	2	691	0
15523012	3531503	4560	3	1	53196147	1161	1233	2	1	1161	1233	2	691	0
15523012	4411986	5999	4	1	143308688	1256	1263.5	2	2	1256	1257	2	691	0
143308688	.	5999	1	2	15523012	1256	1257	6	2	1256	1257	1	717	0

We have, in this dataset, **22,577** adults with at least one spell of union history reported, of which 21,781 come (partly or entirely) from Pronzato's file and were individuals interviewed at least once during the survey, while 796 were entirely added by reconstructing their -available- union spells from the information provided by their partners. The union histories of 4,130 individuals out of the 21,781 from Pronzato's file could not be checked because either the date of start/end or partner identification was missing and could not be recovered from their partners' reported information (these records are marked with files=-1). Of the aforementioned 21,781 individual respondents whose union histories appear in FAMILY.dta another 2,361 have at least one union spell that could not be checked because of missing information, other 252 are individuals to which at least one union spell was added with information stemming from the partner's reports about their common union and 119 are individual to whom both at least one spell could not be checked and at least one spell was added. The remaining 14,919 individuals report complete information on their entire union histories and were controlled and corrected for inconsistencies throughout (files=0 across all their records). Some examples of these cases will follow in the next pages.

Every date is calculated as months elapsed from January 1900 (Century Month Coding), they end with .5 if the precise month of the event was not reported. Dates can also be equal to -1 or "." when missing. For all dates, when the month is unknown, June is chosen and .5 is added at the end.

For each adult we also know the sex and the date of birth (please note about possible discordances between birth and tb as reported above).

Examples of two cases from the 4,130 individuals whose union histories could not be checked because of missing information.

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
10061606	.	-1	1	2	930.5	942.5	2	2	.	.	.	.	-1
10061606	.	-1	2	1	950	990.5	2	2	.	.	.	.	-1
10061606	.	-1	3	2	990.5	1014.5	2	2	.	.	.	.	-1
10061606	.	-1	4	2	1026.5	1026.5	2	2	.	.	.	.	-1
10061606	.	-1	5	2	1087	1109	2	2	.	.	.	.	-1
10388532	.	-1	1	2	804	806	2	2	.	.	.	.	-1
10388532	.	-1	2	1	806	870.5	2	2	.	.	.	.	-1
10388532	.	-1	3	1	870.5	894.5	2	2	.	.	.	.	-1
10388532	.	-1	4	2	906.5	917	2	2	.	.	.	.	-1
10388532	.	-1	5	1	918.5	966.5	2	2	.	.	.	.	-1
10388532	.	-1	6	2	966.5	1050.5	2	2	.	.	.	.	-1
10388532	.	-1	7	1	1166	1175	2	2	.	.	.	.	-1

Examples of two cases from the 2,361 individuals that had at least one union spell that could not be checked because of missing information.

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
10047069	.	-1	1	2	954	983	2	2	.	.	.	.	-1
10047069	.	-1	2	2	1024	1040	2	2	.	.	.	.	-1
10047069	10	10047093	3	1	1035	1208	2	2	1	1	1035	1208	0
10047069	10	10047093	4	2	1041.5	-1	2	2	2	2	1023	1035	0
10047093	.	-1	1	2	937	954	2	2	.	.	.	.	-1
10047093	10	10047069	2	2	1023	1035	2	2	1	2	1023	1035	0
10047093	10	10047069	3	1	1035	1208	2	2	2	1	1035	1208	0

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
10127666	.	-1	1	1	802	894.5	2	0	.	.	.	.	-1
10127666	.	-1	2	2	894.5	917	2	0	.	.	.	.	-1
10127666	.	-1	3	1	918.5	990.5	2	0	.	.	.	.	-1
10127666	193	10127704	4	2	1006	1012	2	0	1	2	993	1012	0
10127666	193	10127704	5	1	1012	1269	2	0	2	1	1012	1269	0
10127704	.	-1	1	2	876	878	2	0	.	.	.	.	-1
10127704	.	-1	2	1	878	937	2	0	.	.	.	.	-1
10127704	193	10127666	3	2	993	1012	2	0	1	2	993	1012	0
10127704	193	10127666	4	1	1012	1269	2	0	2	1	1012	1269	0

Examples of three cases from the 119 individuals to whom both at least one spell could not be checked and at least one spell was added.

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
10246371	.	-1	1	2	1075	1087	2	2	.	.	.	.	-1
10246371	1630	20195761	2	1	1112	1141	2	2	2	1	1112	1141	0
10246371	1630	20195761	.	.	.	.	.	.	1	2	1110	1112	1
20195761	1630	10246371	1	2	1110	1112	2	0	1	2	1110	1112	0
20195761	1630	10246371	2	1	1112	1141	2	0	2	1	1112	1141	0

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
10276572	.	-1	1	2	949	964	2	2	.	.	.	.	-1
10276572	.	-1	2	1	964	1065	2	2	.	.	.	.	-1
10276572	1260	10276602	3	1	1093	1234	2	2	1	1	1081	1234	0
10276602	.	-1	1	2	942.5	967	100	2	.	.	.	.	-1
10276602	1260	10276572	2	2	1081	1234	100	2	.	.	.	.	-1
10276602	1260	10276572	.	.	.	.	.	.	1	1	1081	1234	1

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
10845321	.	-1	1	1	928	980	2	0	.	.	.	.	-1
10845321	.	-1	2	2	1033	1051	2	0	.	.	.	.	-1
10845321	.	-1	3	1	1051	1138	2	0	.	.	.	.	-1
10845321	22	10845356	.	.	.	.	.	.	1	1	1115	1138	1
10845356	.	-1	1	2	1030	1051	2	100	.	.	.	.	-1
10845356	.	-1	2	1	1051	1114	2	100	.	.	.	.	-1
10845356	22	10845321	3	1	1115	1138	2	100	1	1	1115	1138	0
10845356	2164	77062604	4	2	1167	1198	2	100	1	2	1167	1198	0
10845356	2164	77062604	5	1	1198	1233	2	100	2	1	1198	1233	0

Examples of two cases from the 14,919 individuals that seemed to report complete information on their entire union histories.

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
10016813	3	10016848	1	2	953	955	2	0	1	2	953	955	0
10016813	3	10016848	2	1	955	1181	2	0	2	1	955	1181	0
10016848	3	10016813	1	2	953	955	2	100	1	2	953	955	0
10016848	3	10016813	2	1	955	1181	2	100	2	1	955	1181	0
10016848	1287	93241844	3	2	1192	1265	2	100	1	2	1192	1265	0
10016848	1287	93241844	4	1	1265	1271	2	100	2	1	1265	1271	0
93241844	1287	10016848	1	2	1192	1265	100	100	1	2	1192	1265	0
93241844	1287	10016848	2	1	1265	1271	100	100	2	1	1265	1271	0

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
10122079	151	10122109	1	2	1002.5	1038	2	0	1	2	1002.5	1038	0
10122079	151	10122109	2	1	1038	1231	2	0	2	1	1038	1171	0
10122109	151	10122079	1	2	1002.5	1038	2	100	1	2	1002.5	1038	0
10122109	151	10122079	2	1	1038	1228.5	2	100	2	1	1038	1171	0
10122109	1535	85126799	3	2	1171	1204.5	2	100	1	2	1171	1198	0
10122109	1603	113785003	4	2	1215	1252	2	100	1	2	1215	1252	0
10122109	1603	113785003	5	1	1252	1270	2	100	2	1	1252	1270	0
85126799	1535	10122109	1	2	1171	1198	50	100	1	2	1171	1198	0
113785003	1603	10122109	1	2	1215	1252	100	100	1	2	1215	1252	0
113785003	1603	10122109	2	1	1252	1270	100	100	2	1	1252	1270	0

Examples of two cases from the 252 individuals to which at least one union spell was added with information stemming from the partner's reports about their common union.

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
10662839	1353	10662863	1	1	967	1156.5	2	100	1	1	967	1145	0
10662839	2027	77094859	2	1	1173	1269	2	100	2	1	1258	1269	0
10662839	2027	77094859	.	.	.	.	.	.	1	2	1173	1258	1
10662863	1353	10662839	1	1	967	1145	2	0	1	1	967	1145	0
10662863	.	-1	2	1	1155.5	1164	2	0	.	.	.	.	-1
10662863	2334	120095106	3	1	1229	1252.5	2	0	1	1	1229	1233	0
77094859	2027	10662839	1	2	1173	1258	100	100	1	2	1173	1258	0
77094859	2027	10662839	2	1	1258	1269	100	100	2	1	1258	1269	0

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
11386096	1584	11386126	1	2	969	978	2	0	1	2	969	978	0
11386096	1584	11386126	2	1	978	1165	2	0	2	1	978	1165	0
11386126	1584	11386096	1	1	966	1166	2	100	2	1	978	1165	0
11386126	2500	77109236	2	2	1166	1209	2	100	1	2	1166	1209	0
11386126	1584	11386096	.	.	.	.	.	.	1	2	969	978	1
77109236	2500	11386126	1	2	1166	1209	50	100	1	2	1166	1209	0

Examples of two cases from the 796 individuals whose union histories were entirely added by reconstructing their -available- union spells from the information provided by their partners.

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
16042506	176	16042549	.	.	.	.	.	.	1	2	1054	1062	1
16042506	176	16042549	.	.	.	.	.	.	2	1	1062	1179	1
16042506	177	142788074	.	.	.	.	.	.	1	1	1247	1257	1
16042549	.	-1	1	1	753	1038	2	100	.	.	.	.	-1
16042549	176	16042506	2	2	1054	1062	2	100	1	2	1054	1062	0
16042549	176	16042506	3	1	1062	1179	2	100	2	1	1062	1179	0
16042549	5192	91214394	4	2	1187	1269	2	100	1	2	1187	1269	0
91214394	5192	16042549	1	2	1187	1269	50	100	1	2	1187	1269	0
142788074	177	16042506	1	1	1247	1257	100	0	1	1	1247	1257	0

pp	hh_union	partner	spell	union	start_~e	stop_d~e	marital	cohabi~n	spell_~w	union_~w	ts	tf	files
17284147	.	-1	1	2	918.5	968	2	100	.	.	.	.	-1
17284147	.	-1	2	1	968	1037	2	100	.	.	.	.	-1
17284147	215	17284171	3	2	1054	1058	2	100	1	2	1054	1058	0
17284147	215	17284171	4	1	1058	1149	2	100	2	1	1058	1132	0
17284147	5173	46756981	5	2	1135.5	1156.5	2	100	1	2	1132	1150	0
17284147	5296	67430252	6	1	1161	1206	2	100	1	1	1157	1206	0
17284147	6699	154568538	7	1	1268	1269	2	100	1	1	1259	1269	0
17284171	215	17284147	.	.	.	.	.	.	1	2	1054	1058	1
17284171	215	17284147	.	.	.	.	.	.	2	1	1058	1132	1
17284171	216	57077916	.	.	.	.	.	.	1	2	1141	1270	1
46756981	5173	17284147	1	2	1132	1150	50	100	1	2	1132	1150	0
57077916	216	17284171	1	2	1141	1270	50	100	1	2	1141	1270	0
67430252	5296	17284147	1	1	1157	1197	100	0	1	1	1157	1206	0
154568538	6699	17284147	1	1	1259	1269	100	0	1	1	1259	1269	0

LIST OF VARIABLES

Identification:

variable name	storage type	display format	value label	variable label
pp	double	%12.0g		person number identification
partner	double	%12.0g		partner number identification
hh	double	%10.0g		wave-specific household identification
hh_union	int	%4.0g		union's identifier
sex	byte	%8.0g	ahgsex	sex - hh grid
tb	int	%9.0g		date of birth - CMC
spell	byte	%9.0g		union spell within each individual
spell_new	byte	%9.0g		spell within each union

Variable	Obs	Mean	Std. Dev.	Min	Max
pp	31552	5.75e+07	4.54e+07	1.00e+07	1.60e+08
partner	31552	4.51e+07	4.70e+07	-1	1.60e+08
hh_union	23024	4747.866	2730.473	1	9922
tb	22951	680.7458	195.4527	9	1067
sex	22952	1.499782	.5000108	1	2
spell	30280	1.427081	.8253672	1	10
spell_new	22952	1.159115	.365791	1	2

The coding of the variables was retained from Pronzato's file, thus union and union_new are equal to 1 when it is a marriage, to 2 when it is cohabitation. For the records present in Pronzato's file (files=0 or files=-1) there are also indications about the reported reason for union dissolution (variables end, left and separation): if the union is equal to 1 (marriage) the partner can die (widowhood, end=1), they can get divorced (end=2), separated (end=3) or they can be currently together (end=6); if the union is equal to 2 (cohabitation) they can split (end=4), got married (end=5) or they can be currently together (end=6).

For the records stemming from Pronzato's file (files==0 or files===-1), again, the variable marital reports the source of information: when it is equal to 2, 11 or 12 they are from the marital histories in BHPS in waves 2, 11 or 12 respectively and they are updated with info from the panel; when it is equal to

100 they get married in their life but we have just info from the panel; when it is equal to 50 they get married before the survey so we do not have any particular info; when it is equal to 0 they never got married. Alike, the variable cohabitation says the source of information and it is extracted from the cohabitation histories in the same way as for marital.

Here below, is a description of the file content. The variables underlined in the table are the ones added to Pronzato's file, containing the proposed corrections.

variable name	storage type	display format	value label	variable label
pp	double	%12.0g		person number identification
<u>sex</u>	byte	%8.0g	ahgsex	sex - hh grid
<u>tb</u>	int	%9.0g		date of birth - CMC
<u>files</u>	byte	%22.0g	files	presence of records
partner	double	%12.0g		
<u>samesex</u>	byte	%9.0g		same- or different-sex union
hh	double	%10.0g		
<u>hh_union</u>	int	%12.0g		union's identifier
spell	byte	%9.0g		union spell within each individual
<u>spell_new</u>	byte	%9.0g		spell within each union
union	byte	%9.0g		type of union, by Chiara
<u>union_new</u>	byte	%9.0g		type of union, by Tiziana
start_date	float	%9.0g		
stop_date	float	%9.0g		
<u>ts</u>	float	%9.0g		proposed correction of start_date
<u>tf</u>	float	%9.0g		proposed correction of stop_date
duration	float	%9.0g		
<u>duration_new</u>	float	%9.0g		
<u>p_ts</u>	float	%9.0g		partner's declared starting date
<u>p_tf</u>	float	%9.0g		partner's declared ending date
marital	byte	%15.0g	source of information for the marital history	
cohabitation	byte	%16.0g	source of information for the cohabitation history	
end	byte	%9.0g		
left	byte	%9.0g		
separation	float	%9.0g		
region	byte	%8.0g	aregion	

Sorted by: pp spell