EU-SILC

Variables List and Syntax Checks
Logical Checks

Cross-sectional Component 2013

Variable List and Syntax Checks

Variable	Values	Flags / Imputation factor (+IF)	Not applicable if
DB010	2013		
DB020	COUNTRY CODE		
DB030	ID		
DB040	NUTS 10 CODE	(-1,1)	
DB050	1-99999	(-2,1)	
DB060	1-99999	(-2,1)	
DB061*	1-99999	(-2,1)	
DB062	1-99999	(-2,1)	
DB063*	1-99999	(-2,1)	
DB070	1-99999	(-2,1)	
DB071*	1-99999	(-2,1)	
DB072*	1-99999	(-2,1)	
DB073*	1-99999	(-2,1)	
DB075	1-9	(-2,1)	
DB080	0-99999 (5 decimals)	(-2,1)	

Variable List and Syntax Checks

Variable	Values	Flags / Imputation factor (+IF)	Not applicable if
DB090	0-99999 (5 decimals)	(1)	
DB100	1-3	(-1,1)	
DB120	(11,21,22,23)	(-1,1)	
DB130	(11,21,22,23,24)	(-2,-1,1)	DB120 ne 11
DB135	1-2	(-2,-1,1)	DB130 ne 11
RB010	2013		
RB020	COUNTRY CODE		
RB030	ID		
RB031	1890-2013	(-2,-1,1)	
RB041*	101-999999999	(-2,1)	
RB050	0-99999 (5 decimals)	(1)	
RB070	1-12	(-1,1)	
RB080	1890-2013	(-1,1)	
RB090	1-2	(-1,1)	
RB200	1-2	(-1,1)	
RB210	1-4	(-1,1)	
RB220	101-99999999	(-2,-1,1)	
RB230	101-99999999	(-2,-1,1)	
RB240	101-99999999	(-2,-1,1)	
RB245	1-4	(1)	
RB250	(11,12,13,14,21,22,23,31,32,33)	(-2,1)	RB245 = 4
RB260	1-5	(-2,-1,1)	RB250 not in (11,13)
RB270	101-99999999	(-2,-1,1)	RB260 ne 5
RL010	0-99	(-2,-1,1)	
RL020	0-99	(-2,-1,1)	

Variable List and Syntax Checks

Variable	Values	Flags / Imputation factor (+IF)	Not applicable if
RL030	0-99	(-2,-1,1)	
RL040	0-99	(-2,-1,1)	
RL050	0-99	(-2,-1,1)	
RL060	0-99	(-2,-1,1)	
RL070	0-99999 (5 decimals)	(-2,1)	
HB010	2013		
HB020	COUNTRY CODE		
HB030	ID		
HB040	1-31	(-1,1)	
HB050	1-12	(-1,1)	
HB060	2013-2013	(1)	
HB070	101-99999999	(-1,1)	
HB080	101-99999999	(-1,1)	
HB090	101-99999999	(-2,-1,1)	
HB100	1-90	(-1,1)	
HY010	-99999999.99-99999999.99 (2 decimals)	(-1,0,1,2,3,4) +IF	
HY020	-99999999.99-99999999.99 (2 decimals)	(-1,0,1,2,3,4) +IF	
HY022	-99999999.99-99999999.99 (2 decimals)	(-1,0,1,2,3,4) +IF	
HY023	-99999999.99-99999999.99 (2 decimals)	(-1,0,1,2,3,4) +IF	
HY030N*	0-99999999.99 (2 decimals)	(-5,-1,0,1)	
HY040N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
HY050N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
HY060N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
HY070N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	

Variable List and Syntax Checks

Variable	Values	Flags / Imputation factor (+IF)	Not applicable if
HY080N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
HY081N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13,	
HY090N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
HY100N*	0-99999999.99 (2 decimals)	(-5,-1,0,1) +IF	
HY110N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
HY120N*	0-99999999.99 (2 decimals)	(-5,-4,-1,0,1) +IF	
HY130N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
HY131N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
HY140N*	-99999999.99-99999999.99 (2 decimals)	(-5,-1,0,1) +IF	
HY145N*	-99999999.99-99999999.99 (2 decimals)	(-5,-1,0,1) +IF	
HY170N	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
HY030G	0-99999999.99 (2 decimals)	(-1,0,1)	
HY040G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
HY050G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
HY060G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
HY070G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
HY080G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
HY081G*	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	

Variable List and Syntax Checks

Variable	Values	Flags / Imputation factor (+IF)	Not applicable if
HY090G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
HY100G	0-99999999.99 (2 decimals)	(-1,0,1) +IF	
HY110G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
HY120G	0-99999999.99 (2 decimals)	(-4,-1,0,1) +IF	
HY130G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
HY131G*	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
HY140G	-99999999.99-99999999.99 (2 decimals)	(-1,0,1) +IF	
HY170G	0-99999999.99 (2 decimals)	(-5,-1,0,1,2,3,4,5,6) +IF	
HS011	1-3	(-2,-1,1)	
HS021	1-3	(-2,-1,1)	
HS031	1-3	(-2,-1,1)	
HS040	1-2	(-1,1)	
HS050	1-2	(-1,1)	
HS060	1-2	(-1,1)	
HS070	1-3	(-1,1)	
HS080	1-3	(-1,1)	
HS090	1-3	(-1,1)	
HS100	1-3	(-1,1)	
HS110	1-3	(-1,1)	
HS120	1-6	(-1,1)	
HS130	1-99999999.99 (2 decimals)	(-1,1)	
HS140	1-3	(-2,-1,1)	
HS150	1-3	(-2,-1,1)	
HS160	1-2	(-1,1)	
	902 Module - Error: - Not non-selected respondant but code -3 is	PB030,PW010_F,PW0	p

Variable List and Syntax Checks

Variable	Values	Flags / Imputation factor (+IF)	Not applicable if
HS180	1-2	(-1,1)	
HS190	1-2	(-1,1)	
HH010	1-5	(-1,1)	
HH021	1-5	(-1,1)	
HH030	1-10 (1 decimals)	(-1,1)	
HH031*	1890-2013	(-2,-1,1)	
HH040	1-2	(-1,1)	
HH050	1-2	(-1,1)	
HH060	1-99999999.99 (2 decimals)	(-2,-1,1)	HH021 not in (3,4)
HH061*	1-99999999.99 (2 decimals)	(-2,-1,1)	(HH021 =3)
HH070	0-99999999.99 (2 decimals)	(-1,1)	
HH071	0-99999999.99 (2 decimals)	(-2,-1,1)	(HH021 ne 2)
HH081	1-3	(-1,1)	
HH091	1-3	(-1,1)	
PB010	2013		
PB020	COUNTRY CODE		
PB030	ID		
PB040	0-99999 (5 decimals)	(1)	
PB060	0-99999 (5 decimals)	(-3,-2,1)	
PB070	0-99999 (5 decimals)	(-3,-2,1)	
PB090	1-31	(-1,1)	
PB100	1-12	(-1,1)	
PB110	2013-2013	(-1,1)	

Variable List and Syntax Checks

Variable	Values	Flags / Imputation factor (+IF)	Not applicable if
PB120	1-90	(-2,-1,1)	
PB130	1-12	(-1,1)	
PB140	1890-1995	(-1,1)	
PB150	1-2	(-1,1)	
PB160	101-99999999	(-2,-1,1)	
PB170	101-99999999	(-2,-1,1)	
PB180	101-99999999	(-2,-1,1)	
PB190	1-5	(-1,1)	
PB200	1-3	(-1,1)	
PB210	("BE","DK","DE","EL","ES","FR","IE","IT","LU","NL","AT","PT","FI","SE","UK","BG","CY","CZ","EE","HU","LV","LT","MT","PL","RO","SK","SI","IS","NO","CH","TR","HR","MK","OEU","NAF","WAF","OAF","USA","CAN","CSA","NME","OAS","OCE","OTH")	(-1,1)	
PB220A	("BE","DK","DE","EL","ES","FR","IE","IT","LU","NL","AT","PT","FI","SE","UK","BG","CY","CZ","EE","HU","LV","LT","MT","PL","RO","SK","SI","IS","NO","CH","TR","HR","MK","OEU","NAF","WAF","OAF","USA","CAN","CSA","NME","OAS","OCE","OTH")	(-1,1)	
PB220B	("BE","DK","DE","EL","ES","FR","IE","IT","LU","NL","AT","PT","FI","SE","UK","BG","CY","CZ","EE","HU","LV","LT","MT","PL","RO","SK","SI","IS","NO","CH","TR","HR","MK","OEU","NAF","WAF","OAF","USA","CAN","CSA","NME","OAS","OCE","OTH")	(-2,-1,1)	
PE010	1-2	(-1,1)	
PE020	0-6	(-2,-1,1)	PE010 ne 1
PE030	1900-2013	(-2,-1,1)	
PE040	0-6	(-2,-1,1)	
PL031	1-11	(-1,1)	
PL035*	1-2	(-3,-2,-1,1)	
PL015	1-2	(-2,-1,1)	(PL031 in (1,2,3,4))
PL020	1-2	(-2,-1,1)	(PL031 in (1,2,3,4))
PL025	1-2	(-2,-1,1)	PL020 ne 1
PL040	1-4	(-2,-1,1)	(PL031 not in (1,2,3,4) and PL015 ne 1)
PL051	(11,12,13,14,21,22,23,24,25,26,31,32,33,34,35,41,42,43,44,51,52,53,54,61,62,63,71,72,73,74,75,81,82,83,91,92,93,94,95,96,01,02,03)	(-2,-1,1)	(PL031 not in (1,2,3,4) and PL015 ne 1)
PL060	1-99	(-6,-2,-1,1)	(PL031 not in (1,2,3,4))

Variable List and Syntax Checks

Variable	Values	Flags / Imputation factor (+IF)	Not applicable if
PL073	0-12	(-1,1)	
PL074	0-12	(-1,1)	
PL075	0-12	(-1,1)	
PL076	0-12	(-1,1)	
PL080	0-12	(-1,1)	
PL085	0-12	(-1,1)	
PL086	0-12	(-1,1)	
PL087	0-12	(-1,1)	
PL088	0-12	(-5,-1,1)	
PL089	0-12	(-5,-1,1)	
PL090	0-12	(-1,1)	
PL100	1-99	(-2,-1,1)	
PL111	(01,02,03,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,35,36,37,38,39,41,42,43,45,46,47,49,50,51,52,53,55,56,58,59,60,61,62,63,64,65,66,68,69,70,71,72,73,74,75,77,78,79,80,81,82,84,85,86,87,88,90,91,92,93,94,95,96,97,98,99)	(-3,-2,-1,1)	(PL031 not in (1,2,3,4))
PL120	1-7	(-3,-2,-1,1)	(PL031 not in (1,2,3,4)) or sum(PL060,PL100) ge 30
PL130	1-15	(-3,-2,-1,1)	(PL031 not in (1,2,3,4))
PL140	1-2	(-4,-3,-2,-1,1)	PL040 ne 3
PL150	1-2	(-3,-2,-1,1)	PL040 ne 3
PL160*	1-2	(-3,-2,-1,1)	(PL031 not in (1,2,3,4))
PL170*	1-7	(-3,-2,-1,1)	PL160 ne 1
PL180*	1-12	(-3,-2,-1,1)	
PL190*	8-65	(-3,-2,-1,1)	
PL200*	0-65	(-3,-2,-1,1)	
PL211A*	1-11	(-3,-1,1)	
PL211B*	1-11	(-3,-1,1)	
PL211C*	(01,02,03,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,35,36,37,38,39,41,42,43,45,46,47,49,50,51,52,53,55,56,58,59,60,61,62,63,64,65,66,68,69,70,71,72,73,74,75,77,78,79,80,81,82,84,85,86,87,88,90,91,92,93,94,95,96,97,98,99)	(-3,-1,1)	
PL211D*	1-11	(-3,-1,1)	
PL211E*	1-11	(-3,-1,1)	

Variable List and Syntax Checks

Variable	Values	Flags / Imputation factor (+IF)	Not applicable if
PL211F*	1-11	(-3,-1,1)	
PL211G*	1-11	(-3,-1,1)	
PL211H*	1-11	(-3,-1,1)	
PL211I*	1-11	(-3,-1,1)	
PL211J*	1-11	(-3,-1,1)	
PL211K*	1-11	(-3,-1,1)	
PL211L*	1-11	(-3,-1,1)	
PH010	1-5	(-3,-1,1)	
PH020	1-2	(-3,-1,1)	
PH030	1-3	(-3,-1,1)	
PH040	1-2	(-3,-1,1)	
PH050	1-8	(-3,-2,-1,1)	PH040 ne 1
PH060	1-2	(-3,-1,1)	
PH070	1-8	(-3,-2,-1,1)	PH060 ne 1
PY010N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
PY020N*		(-6,-5,-4,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF 0	
PY021N*	0-99999999.99 (2 decimals)	(-5,-4,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
PY035N*	0-99999999.99 (2 decimals)	(-5,-1,0,1) +IF	
PY050N*	-1000000000-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
PY080N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	

Variable List and Syntax Checks

Variable	Values	Flags / Imputation factor (+IF)	Not applicable if
PY090N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
PY100N*	0-99999999.99 (2 decimals)	(-5,-4,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
PY110N*	0-99999999.99 (2 decimals)	(-5,-4,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
PY120N*	0-99999999.99 (2 decimals)	(-5,-4,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
PY130N*	0-99999999.99 (2 decimals)	(-5,-4,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
PY140N*	0-99999999.99 (2 decimals)	(-5,-1,0,11,12,13, 21,22,23,31,32,33, 41,42,43,51,52,53,55,61,62,63) +IF	
PY010G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
PY020G	0-99999999.99 (2 decimals)	(-6,-4,-1,0,1,2,3,4,5,6) +IF	
PY021G	0-99999999.99 (2 decimals)	(-4,-1,0,1,2,3,4,5,6) +IF	
PY030G	0-99999999.99 (2 decimals)	(-1,0,1) +IF	
PY031G*	0-99999999.99 (2 decimals)	(-1,0,1) +IF	
PY035G	0-99999999.99 (2 decimals)	(-1,0,1) +IF	
PY050G	-1000000000-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
PY080G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
PY090G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
PY100G	0-99999999.99 (2 decimals)	(-4,-1,0,1,2,3,4,5,6) +IF	

Variable List and Syntax Checks

Variable	Values	Flags / Imputation factor (+IF)	Not applicable if
PY110G	0-99999999.99 (2 decimals)	(-4,-1,0,1,2,3,4,5,6) +IF	
PY120G	0-99999999.99 (2 decimals)	(-4,-1,0,1,2,3,4,5,6) +IF	
PY130G	0-99999999.99 (2 decimals)	(-4,-1,0,1,2,3,4,5,6) +IF	
PY140G	0-99999999.99 (2 decimals)	(-1,0,1,2,3,4,5,6) +IF	
PY200G	0-99999999.99 (2 decimals)	(-2,-1,0,1,2,3,4,5,6) +IF	
PW010	0-99	(-3,-1,1)	
PW020	0-99	(-3,-1,1)	
PW030	0-99	(-3,-1,1)	
PW040	0-99	(-3,-1,1)	
PW050	1-9	(-3,-1,1)	
PW060	1-9	(-3,-1,1)	
PW070	1-9	(-3,-1,1)	
PW080	1-9	(-3,-1,1)	
PW090	1-9	(-3,-1,1)	
PW100	0-99	(-3,-2,-1,1)	(PL031 not in (1,2,3,4))
PW110	0-99	(-4,-3,-2,-1,1)	(PL031 not in (1,2,3,4))
PW120	0-99	(-3,-1,1)	
PW130	0-99	(-3,-1,1)	
PW140	0-99	(-3,-1,1)	
PW150	0-99	(-3,-1,1)	
PW160	0-99	(-3,-1,1)	
PW170	1-9	(-3,-1,1)	
PW180	1-9	(-3,-2,-1,1)	
PW190	1-99	(-3,-1,1)	
PW200	1-99	(-3,-1,1)	
PW210	1-99	(-3,-1,1)	
PW220	1-9	(-3,-1,1)	
HD080	1-3	(-1,1)	
HD100*	1-3	(-5,-2,-1,1)	

Logical Checks

#	Error/Warning	File(s) (join on)	Where
101	Structural - Error: DB030 - Duplicate ID numbers	D	having count(DB030) > 1 grouped by DB030
102	Structural - Error: DB130 - Household data record is missing in H-file (or to drop) or DB130 not filled correctly	D,H(DB030 = HB030)	(DB130 = 11 and DB135 = 1 and HB030 = .) or (DB130 ne 11 and HB030 ne .)
103	Structural - Error: DB135 - Records are missing in R- or P-file or DB135 not filled correctly	D,R(DB030 = RHID)	DB135 = 1 having min(rb250) not in (11,12,13) grouped by RHID
104	Structural - Error: DB135 - In R- or P-file records to drop (or are missing) or DB135 not filled correctly	D,R(DB030 = RHID)	DB135 ne 1 and RB250 in (11,12,13)
120	Structural - Error: RB030 - Duplicate ID numbers	R	having count(RB030) > 1 grouped by RB030
121	Structural - Error: RB030 - Corresponding household does not exist in D-file	R,D(RHID = DB030)	DB030 = .
123	Structural - Warning: RB210 - Age and basic activity status may be not consistent	R	AGE < 16 and RB210 in (1,2,3)
124	Structural - Warning: RB245 - Age and eligibility are not consistent	R	(AGE >= 16 and RB245 not in (1,2,3)) or (AGE < 16 and RB245 in (1,2,3))
125	Structural - Error: RB245 - Codes 1 and (2,3) cannot be mixed within the same household	R	RB245 in (1,2,3) having min(RB245) = 1 and max(RB245) in (2,3) grouped by RHID
126	Structural - Error: RB245 - Only one person can be selected respondant in the same household	R	RB245 = 2 having count(RB245) > 1 grouped by RHID
127	Structural - Error: RB250 - Data can be collected only from eligible persons	R	(RB250 in (11,12,13) and RB245 not in (1,2,3))
128	Structural - Error: RB250 - Personal data record is missing in P-file or RB250 not filled correctly	R,P(RB030 = PB030)	(RB250 in (11,12,13,14) and PB030 = .) or ((RB250 not in (11,12,13,14)) and PB030 ne .)
129	Structural - Error: RB270 - Proxy is not household member or does not exist	R,R(a.RB270 = b.RB030)	a.RB270_F ge 0 and a.RHID ne b.RHID
130	Structural - Error: RB270 - The person cannot be proxy for himself	R	RB270_F ge 0 and RB030 = RB270
131	Structural - Warning: RB080 RB090 - Age at date of interview is -1	H,R(RHID = HB030)	floor(((HB060*100+HB050) - (RB080*100+RB070))/100) = -1
150	Structural - Error: HB030 - Duplicate ID numbers	H	having count(HB030) > 1 grouped by HB030
151	Structural - Error: HB070 - Person who filled in the questionnaire is not household member or does not exist	H,R(HB070 = RB030)	HB070_F ge 0 and RHID ne HB030
153	Structural - Error: HB080 - Person 1 responsible for the accomodation is not household member or does not exist	H,R(HB080 = RB030)	HB080_F ge 0 and RHID ne HB030
154	Structural - Warning: HB080 - Age of Person 1 responsible for the accomodation is below 16	H,R(HB080 = RB030)	HB080_F ge 0 and AGE < 16

Logical Checks

#	Error/Warning	File(s) (join on)	Where
155	Structural - Error: HB090 - Person 2 responsible for the accomodation is not household member or does not exist	H,R(HB090 = RB030)	HB090_F ge 0 and RHID ne HB030
156	Structural - Warning: HB090 - Age of Person 2 responsible for the accomodation is below 16	H,R(HB090 = RB030)	HB090_F ge 0 and AGE < 16
157	Structural - Error: HB080 - Person 1 and person 2 responsible for the accomodation cannot be the same person	H	HB080_F ge 0 and HB080 = HB090
170	Structural - Error: PB030 - Duplicate ID numbers	P	having count(PB030) > 1 grouped by PB030
172	Structural - Error: PB130 PB140 PB150 - Birth date and sex must be equal in R- and P-file	P,R(PB030 = RB030)	(PB130 ne RB070) or (PB140 ne RB080) or (PB150 ne RB090)
173	Structural - Error: RB070 RB080 RB090 - Birth date or sex are missing	R	(RB080_F ne 1) or (RB090_F ne 1)
174	Structural - Warning: PB130 PB140 PB150 - Birth date or sex are missing	P	(PB130_F ne 1) or (PB140_F ne 1) or (PB150_F ne 1)
301	Relationchip - Error: RB220 - Father is not household member or does not exist	R,R(a.RB220 = b.RB030)	a.RB220_F ge 0 and a.RHID ne b.RHID
302	Relationchip - Error: RB220 - The person cannot be his own father	R	RB030 = RB220
303	Relationchip - Error: RB230 - Mother is not household member or does not exist	R,R(a.RB230 = b.RB030)	a.RB230_F ge 0 and a.RHID ne b.RHID
304	Relationchip - Error: RB230 - The person cannot be his own mother	R	RB030 = RB230
305	Relationchip - Error: RB240 - Spouse/partner is not household member or does not exist	R,R(a.RB240 = b.RB030)	a.RB240_F ge 0 and a.RHID ne b.RHID
306	Relationchip - Error: RB240 - The person cannot be his own spouse/partner	R	RB030 = RB240
307	Relationchip - Error: PB160 PB170 PB180 - Parents and/or spouse/partner must be equal in R- and P-file	P,R(PB030 = RB030)	(PB160_F ge 0 and PB160 ne RB220) or (PB170_F ge 0 and PB170 ne RB230) or (PB180_F ge 0 and PB180 ne RB240)
310	Relationchip - Error: RB240 - The spouse/partner is not the same for both	R,R(a.RB240 = b.RB030)	a.RB240_F > 0 and a.RB030 ne b.RB240
311	Relationchip - Error: RB240 - Parents of spouses/partners must be different	R,R(a.RB240 = b.RB030)	(a.RB220_F ge 0 and a.RB220 = b.RB220) or (a.RB230_F ge 0 and a.RB230 = b.RB230)
312	Relationchip - Error: RB220 - Sex of father cannot be female	R,R(a.RB220 = b.RB030)	b.RB090 = 2
313	Relationchip - Error: RB230 - Sex of mother cannot be male	R,R(a.RB230 = b.RB030)	b.RB090 = 1
315	Relationchip - Warning: RB230 - Child should be at least 15 years younger than its mother	R,R(a.RB230 = b.RB030)	a.RB230_F ge 0 and b.AGE - a.AGE < 15 and a.AGE ge 0 and b.AGE ge 0

Logical Checks

#	Error/Warning	File(s) (join on)	Where
320	Relationchip - Error: PB180 PB190 PB200 - Person has a spouse/partner but never married and no consensual union	P	PB180_F ge 0 and (PB190 = 1 and PB200 = 3)
501	Income - Error: HY030 - No corresponding gross value	H	HY030N ne 0 and HY030N ne . And HY030G in (0,.)
502	Income - Error: HY040 - No corresponding gross value	H	HY040N ne 0 and HY040N ne . And HY040G in (0,.)
503	Income - Error: HY050 - No corresponding gross value	H	HY050N ne 0 and HY050N ne . And HY050G in (0,.)
504	Income - Error: HY060 - No corresponding gross value	H	HY060N ne 0 and HY060N ne . And HY060G in (0,.)
505	Income - Error: HY070 - No corresponding gross value	H	HY070N ne 0 and HY070N ne . And HY070G in (0,.)
506	Income - Error: HY080 - No corresponding gross value	H	HY080N ne 0 and HY080N ne . And HY080G in (0,.)
507	Income - Error: HY090 - No corresponding gross value	H	HY090N ne 0 and HY090N ne . And HY090G in (0,.)
508	Income - Error: HY100 - No corresponding gross value	H	HY100N ne 0 and HY100N ne . And HY100G in (0,.)
509	Income - Error: HY110 - No corresponding gross value	H	HY110N ne 0 and HY110N ne . And HY110G in (0,.)
510	Income - Error: HY120 - No corresponding gross value	H	HY120N ne 0 and HY120N ne . And HY120G in (0,.)
511	Income - Error: HY130 - No corresponding gross value	H	HY130N ne 0 and HY130N ne . And HY130G in (0,.)
512	Income - Error: HY140 - No corresponding gross value	H	HY140N ne 0 and HY140N ne . And HY140G in (0,.)
513	Income - Error: PY010 - No corresponding gross value	P	PY010N ne 0 and PY010N ne . And PY010G in (0,.)
514	Income - Error: PY020 - No corresponding gross value	P	PY020N ne 0 and PY020N ne . And PY020G in (0,.)
515	Income - Error: PY021 - No corresponding gross value	P	PY021N ne 0 and PY021N ne . And PY021G in (0,.)
516	Income - Error: PY035 - No corresponding gross value	P	PY035N ne 0 and PY035N ne . And PY035G in (0,.)
517	Income - Error: PY050 - No corresponding gross value	P	PY050N ne 0 and PY050N ne . And PY050G in (0,.)

Logical Checks

#	Error/Warning	File(s) (join on)	Where
518	Income - Error: PY070 - No corresponding gross value	P	PY070N ne 0 and PY070N ne . And PY070G in (0,.)
519	Income - Error: PY080 - No corresponding gross value	P	PY080N ne 0 and PY080N ne . And PY080G in (0,.)
520	Income - Error: PY090 - No corresponding gross value	P	PY090N ne 0 and PY090N ne . And PY090G in (0,.)
521	Income - Error: PY100 - No corresponding gross value	P	PY100N ne 0 and PY100N ne . And PY100G in (0,.)
522	Income - Error: PY110 - No corresponding gross value	P	PY110N ne 0 and PY110N ne . And PY110G in (0,.)
523	Income - Error: PY120 - No corresponding gross value	P	PY120N ne 0 and PY120N ne . And PY120G in (0,.)
524	Income - Error: PY130 - No corresponding gross value	P	PY130N ne 0 and PY130N ne . And PY130G in (0,.)
525	Income - Error: PY140 - No corresponding gross value	P	PY140N ne 0 and PY140N ne . And PY140G in (0,.)
550	Income - Error: HY010 - No total household income , but	H,P(HB030 = PHID)	having HY010 = 0 and sum(HGROINC,PGROINC,0) ne 0 grouped by HB030
551	Income - Error: HY020 - No disposible household	H,P(HB030 = PHID)	having HY020 = 0 and sum(HNETINC,PNETINC,0) ne 0 grouped by HB030
553	Income - Error: HY110 - Income received by people	H,R(HB030 = RHID)	sum(HY110N,HY110G,0) > 0 having min(AGE) ge 16 grouped by HB030
560	Income - Warning: HY010 - Great difference between	H	HY010 > 0 and (HY010 < gross * 0.97 or HY010 > gross * 1.03)
565	Income - Error: HY020 - Must be equal or greater	H	HY020 > 0 and HY022 > HY020
566	Income - Error: HY022- Must be equal or greater HY023	H	HY022 > 0 and HY023 > HY022
567	Income - Warning: HY020 - Great difference between	H	HY020 > 0 and (HY020 < net20 * 0.97 or HY020 > net20 * 1.03)
585	Income - Warning: HY020 HH070 - Total housing cost >	H	HH070 > 0 and (HH070 * 12) > HY020
586	Income - Error: PY020G should include company car	P	(PY020G < PY021G)
701	Child Care - Error: RL010 - Value of variable not	R	(RL010_F = 1 and age gt 12)
702	Child Care - Error: RL020 - Value of variable not possible because of age	R	(RL020_F = 1 and age gt 12)
703	Child Care - Error: RL030 - Value of variable not possible because of age	R	(RL030_F = 1 and age gt 12)
704	Child Care - Error: RL040 - Value of variable not possible because of age	R	(RL040_F = 1 and age gt 12)
705	Child Care - Error: RL050 - Value of variable not possible because of age	R	(RL050_F = 1 and age gt 12)
706	Child Care - Error: RL060 - Value of variable not possible because of age	R	(RL060_F = 1 and age gt 12)
707	Child Care - Error: RL010,RL020 - Child cannot be at pre-school and compulsory school in the same week	R	RL010 > 0 and RL020 > 0
708	Child Care - Error: RL030 - May be filled only if child is at (pre-)school	R	RL010_F = -2 and RL020_F = -2 and RL030_F = 1

Logical Checks

#	Error/Warning	File(s) (join on)	Where
709	Child Care - Warning: RL010 - Value of variable shall be 0 if the question is asked	R	(RL010_F = -1 and age le 12)
710	Child Care - Warning: RL020 - Value of variable shall be 0 if the question is asked	R	(RL020_F = -1 and age le 12)
711	Child Care - Warning: RL030 - Value of variable shall be 0 if the question is asked	R	(RL030_F = -1 and age le 12)
712	Child Care - Warning: RL040 - Value of variable shall be 0 if the question is asked	R	(RL040_F = -1 and age le 12)
713	Child Care - Warning: RL050 - Value of variable shall be 0 if the question is asked	R	(RL050_F = -1 and age le 12)
714	Child Care - Warning: RL060 - Value of variable shall be 0 if the question is asked	R	(RL060_F = -1 and age le 12)
715	Child Care - Warning: Vaule for RL070 not realistic	R	(RL070_F = 1 and (RL070 le 1 or RL070 ge 20000))
716	Child Care - Error: Sum of weekly hours greater than 168	R	sum(RL010,RL020,RL030,RL040,RL050,RL060,0) gt 168
717	Child Care - RL030 filled in but not RL010 and RL020	R	(RL030_F = 1 and ((RL010 = 0 or RL010 is missing) and (RL020 = 0 or RL020 is missing)))
718	Child Care - Warning: RL030 not filled but RL010 or RL020 filled in	R	((RL010_F = 1 or RL020_F = 1) and RL030_F= -1)
721	Education - Error: PE030,PE040 - PE030 and PE040 are inconsistent	P	(PE030_F = -2 or PE040_F = -2) and PE030_F ne PE040_F
722	Education - Warning: PE010 - Not in education but undergoing education or training	P	PE010 = 2 and PL120 = 1
723	Education - Error: PE030 - Highest level of education attained before born	P	PE030_F = 1 and PE030 < PB140
724	Education - Warning: PE030 - Year highest level of education attained not plausible	P	PE030_F = 1 and ((PE040 in (1,2) and PE030 < PB140+9) or (PE040 = 3 and PE030 < PB140+15) or (PE040 > 3 and PE030 < PB140+18))
733	Labour - Error: PL073 - PL090 - Sum of months not equal to 12 or 0	P	sum(PL073,PL074, PL075, PL076, PL080,PL085, PL086, PL087, PL088, PL089, PL090,0) not in (12, 0)
800	Basic Data - Error: PB060 PB070 - Not selected respondant but value is filled	P	(PB060_F = 1 or PB070_F= 1) and SELRES ne 2
801	Basic Data - Error: PB060 PB070 Selected respondant but value is not filled	P	PB060_F ne 1 and PB070_F ne 1 and SELRES = 2
805	Labour - Error: PL... - Not non-selected respondant but code -3 is used	P	(PL035_F=-3 or PL015_F=-3 or PL111_F=-3 or PL120_F=-3 or PL130_F=-3 or PL140_F=-3 or PL150_F=-3) and SELRES ne 3
810	Health - Error: PH... - Not non-selected respondant but code -3 is used	P	(PH010_F=-3 or PH020_F=-3 or PH030_F=-3 or PH040_F=-3 or PH060_F=-3) and SELRES ne 3
811	Status - Warning: Nr of Months in Retirement > 1 but younger than 27	P,R(PB030 = RB030)	(b.AGE < 27 and PL085 >1)

Logical Checks

#	Error/Warning	File(s) (join on)	Where
812	Status - Warning: Nr of Months in compulsory military service > 1 but younger than 18 or older than 55	P,R(PB030 = RB030)	((b.AGE <18 or b.AGE > 55) and PL088 >1)
813	Status - Warning: Self defined economic status as in compulsory military service but younger than 18 or older than 55	P,R(PB030 = RB030)	((b.AGE <18 or b.AGE > 55) and PL031=9)
814	Status - Warning: Nr of hours usually worked is greater than 35 hours per week while the self-declared status is part-time	P	(Sum(PL060, PL100)>35 and PL031 in (2,4))
815	Status - Warning: Nr of hours usually worked is less than 20 hours per week while the self-declared status is full-time	P	(Sum(PL060, PL100)<20 and PL031 in (1,3))
816	Housing Cost - Error: Rent is higher than total housing cost	H	(HH060 > HH070)
902	Module - Error: - Not non-selected respondant but code - 3 is used	P	(PW010_F=-3 or PW020_F=-3 or PW040_F=-3 or PW050_F=-3 or PW060_F=-3 or PW080=-3 or PW090_F=-3 or PW100_F=-3 or PW110_F=-3 or PW120_F=-3 or PW130_F=-3 or PW140_F=-3 or PW150_F=-3 or PW160_F=-3 or PW170_F=-3 or PW180_F=-3 or PW190_F=-3 or PW200_F=-3 or PW210_F=-3 or PW220_F=-3) and SELRES ne 3

Notes

Variable List

Variables with * are optional (they may be mandatory for some Member States; see Regulations)

+IF: concatenate the Imputation Factor to the flag value(s)

Syntax checks - missing values

from 2008 on the % of missing (-1) is checked with the syntax checks

Logical checks - supplementary variables

Cross-se AGE = age at end of income reference period

RHID, PHID = current HID

SELRES = RB245

HGROINC = sum(HY040G,HY050G,HY060G,HY070G,HY080G,HY090G,HY110G) [total gross]

HNINCS = sum(HY050G,HY060G,HY070G) [social benefits]

HNETINC = HGROINC - sum(HY120G,HY130G,HY140G,0) [total net]

PGROINC = sum(PY010G,PY021G,PY050G,PY080G,PY090G,PY100G,PY110G,PY120G,PY130G,PY140G) [total gross]

PNINCS = sum(PY090G,PY120G,PY130G,PY140G) [social benefits without old-age]

PNINCP = sum(PY100G,PY110G) [old-age]

PNETINC = PGROINC[total net]

gross = HGROINC + sum(PGROINC) by household

net20 = HNETINC + sum(PNETINC) by household

Net Income is calculated with gross values !

Notes