

Data processing during and after the interview

Cor Kragt



Structure

- Survey design Dutch LFS
- New process
- Data processing
 - during the interview
 - after the interview

Survey Design Dutch LFS

- Panel: 5 waves
- 1 Year, every 3 months

	1999-2010	2010-2012	2012 onwards
Wave			
1	CAPI	CAPI & CATI	CAWI & CAPI & CATI
2	CATI	CATI	CATI
3	CATI	CATI	CATI
4	CATI	CATI	CATI
5	CATI	CATI	CATI

New process

Reasons

- Redesign social statistics
- Redundant software
- Dependent production lines
- New weighting model

Data processing

During the interview

- Record per household

After the interview

- File per month all household responses

Data processing during the interview

- Blaise questionnaire
- First wave:
 - empty records
 - all questions possible
- Consecutive waves:
 - data previous wave
 - only mutations

Data processing during the interview

Use of previous data

- Jobs
- Working hours
- Searching for work
- Occupation
- Economic activity
- Education

Data processing during the interview

Wave 1

UrDnst

How many hours does your contract holds? **36**

Periode

Is this per week, month or year? **per week**

Data processing after the interview

- Automated
- Manipula (Blaise)
- Succession of steps
 - collecting the response records
 - conversion to a unique data model
 - derivation of variables
 - matching additional data (previous wave, registers, codes)
 - weighting
 - tabulation

S_PersID	H_M_V	Afl_Lft	W_Betwerk	W_UrDnst[1]	G_MaandGewicht	T_SOI_2006_HB	Afl_BB_Ned
3371053	Man	22	Ja		20		
3371054	Man	22	Ja		12		
3371055	Man	22	Nee				
3371057	Man	20	Nee				
3373070	Vrouw	45	Ja				
3373464	Vrouw	47	Nee				
3373465	Vrouw	14					
3373892	Man	54	Ja		28		
3374198	Vrouw	48	Ja		36		
3376012	Vrouw	32	Ja		16		

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3371053	Man	22	Ja	20	3862,015138	603311	werkzBB
3371054	Man	22	Ja	12	3862,015138	430128	werkzBB
3371055	Man	22	Nee		3862,015138	533311	niet_BB
3371057	Man	20	Nee		3862,015138	430120	werk1BB
3373070	Vrouw	45	Ja		4304,419166	604111	niet_BB
3373464	Vrouw	47	Nee		1313,494060	336413	niet_BB
3373465	Vrouw	14			1313,494060		nvt
3373892	Man	54	Ja	28	4270,986858	436322	werkzBB
3374198	Vrouw	48	Ja	36	5677,921708	413511	werkzBB
3376012	Vrouw	32	Ja	16	2636,033826	419114	werkzBB

RUNJC ""\SRSH1F\SAH2\Onderzoek\EBB\Productie\JC\PRODUCTIE_EBB.jcp"

Job Parameters

Nummer Eerste job: 1

Nummer laatste job : 32

Start Publicatieperiode (EEJJMM): 201204

Eind Publicatieperiode (EEJJMM): 201204

Start Time: 17:29 uur, woensdag 18 apr 2012

Repeat Job: ma di wo do vr za zo

After Job: None

Interval: 24 uur

Until: 17:29 uur

Time Limit: 6 uur

Onexit Limit: 5 min.

Job Name: PRODUCTIE_EBB

Job Group: I - default

Status Dir: \\SRSH1F\SAH2\Onderzoek\EBB\Productie\Monitor

Batch Queue: CBS

Config.File: \\SRSH1F\SAH2\Onderzoek\EBB\Productie\RCMD.DEF

Giga Bytes: 10

Output File: LIST

Parallel Jobs: No

History File:

E-Mail Msg: Errors

E-Mail User(s): SAHCKGT

Oper.System: WinNT

Terminal Msg: Always

Log Commands:

Delete Status File:

Eind Publicatieperiode (EEJJMM): { integer } waarde 201204

Start Job Annuleren Zoek Job... Bewerken... Help

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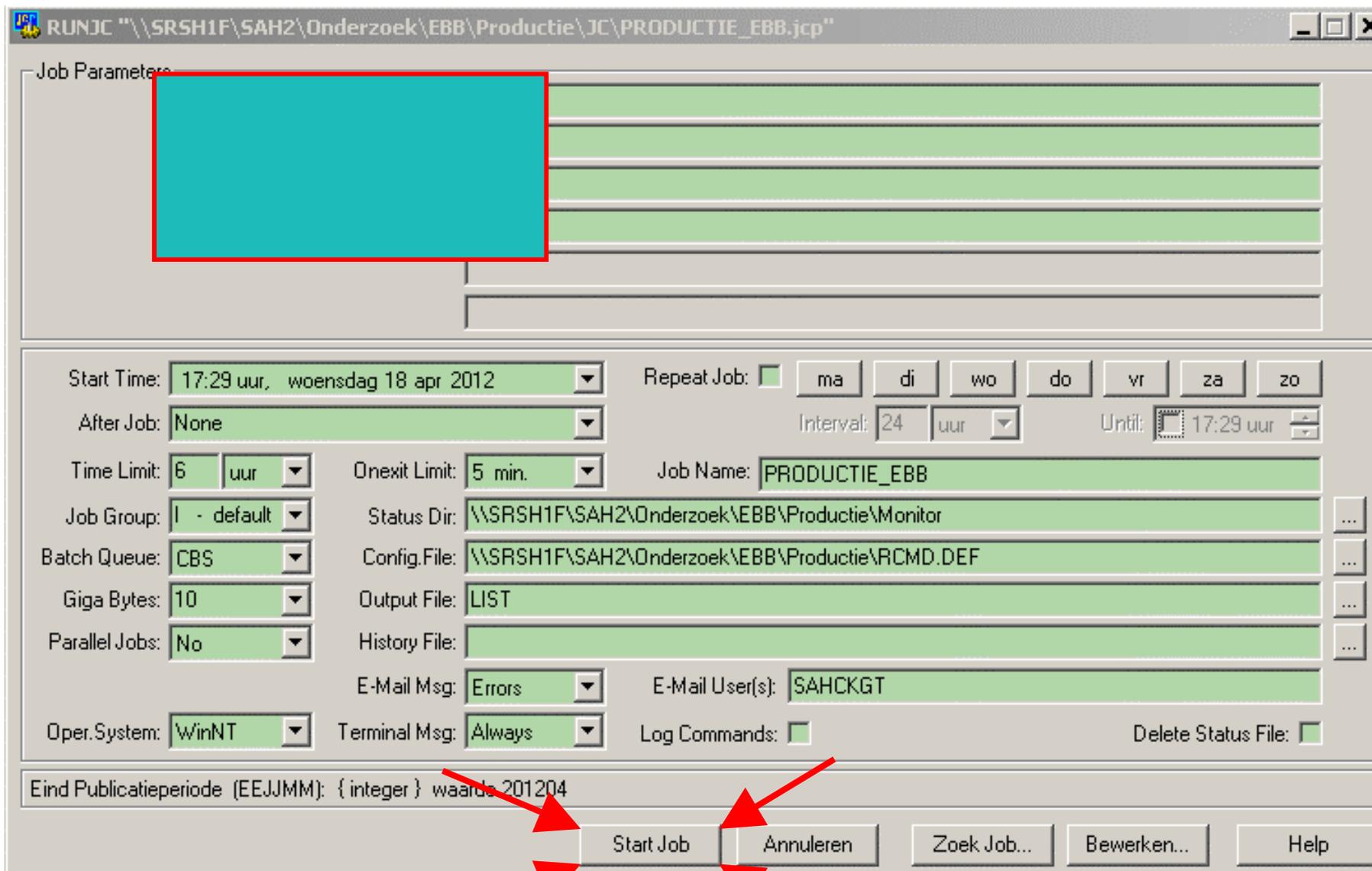
Terminal Msg: Always

Log Commands:

Delete Status File:

Eind Publicatieperiode (EEJMM): { integer } waarde 201204

Start Job Annuleren Zoek Job... Bewerken... Help



Data processing after the interview

Closer look to two steps

1. conversion to a unique data model
2. matching information from the previous wave

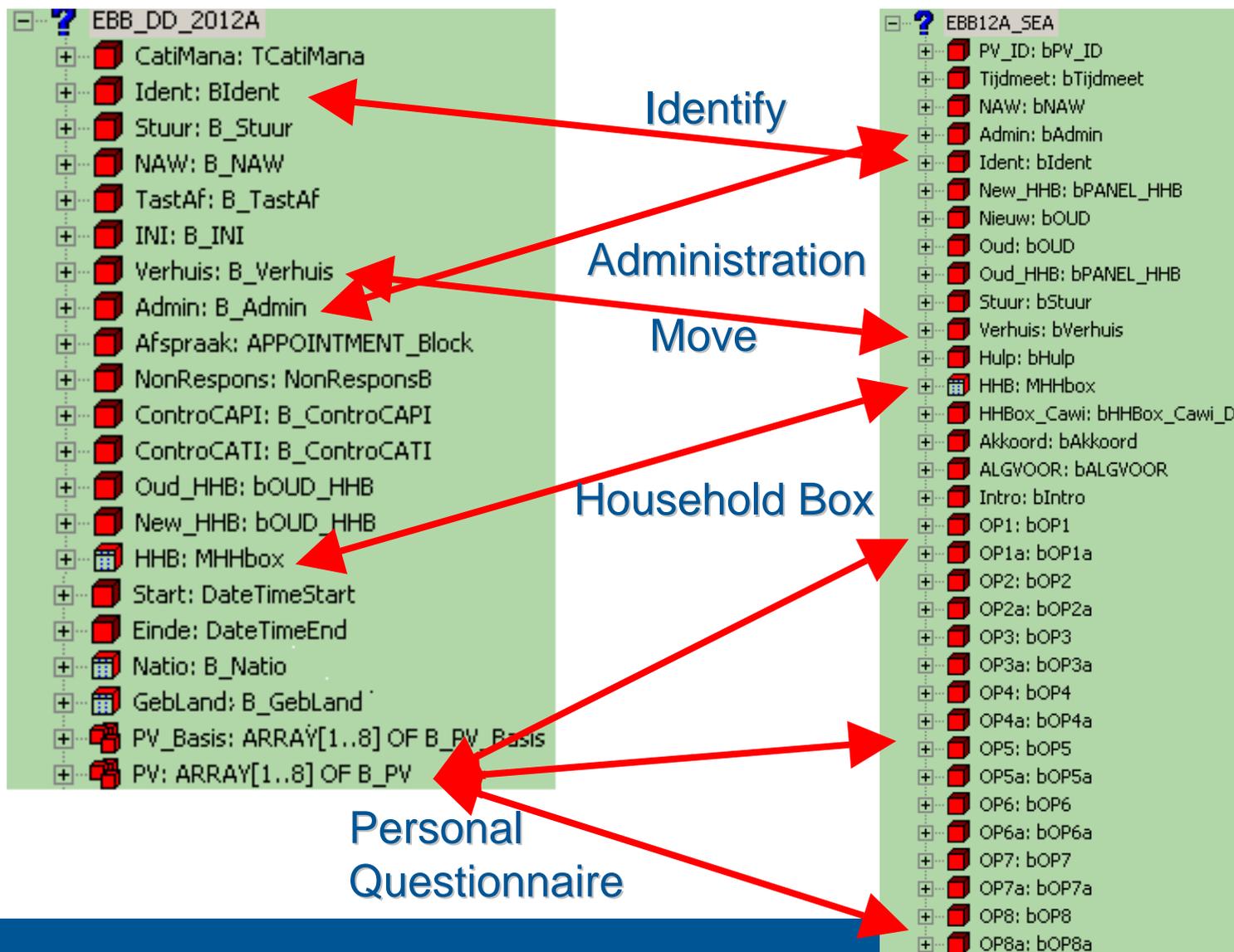
1. Conversion to a unique data model

Pros

- Delete unnecessary variables
- Privacy
- Manipulation independent of mode

Capi/Cati

Cawi



Capi/Cati

- EBB_DD_2012A
 - CatiMana: TCatiMana
 - Ident: BIdent
 - Stuur: B_Stuur
 - NAW: B_NAW
 - TastAF: B_TastAF
 - INI: B_INI
 - Verhuis: B_Verhuis
 - Admin: B_Admin
 - Afspraak: APPOINTMENT_Block
 - NonRespons: NonResponsB
 - ControCapi: B_ControCapi
 - ControCati: B_ControCati
 - Oud_HHB: bOUD_HHB
 - New_HHB: bOUD_HHB
 - HHB: MHHbox
 - Start: DateTimeStart
 - Einde: DateTimeEnd
 - Natio: B_Natio
 - GebLand: B_GebLand
 - PV_Basis: ARRAY[1..8] OF B_PV_Basis
 - PV: ARRAY[1..8] OF B_PV

Cawi

- EBB12A_SEA
 - PV_ID: bPV_ID
 - Tidmeet: bTidmeet
 - NAW: bNAW
 - Admin: bAdmin
 - Ident: bIdent
 - New_HHB: bPANEL_HHB
 - Neuw: bOUD
 - Oud: bOUD
 - Oud_HHB: bPANEL_HHB
 - Stuur: bStuur
 - Verhuis: bVerhuis
 - Hub: bHub
 - HHB: MHHbox
 - HHBox_Cawi: bHHBox_Cawi_D
 - Alkkoord: bAlkkoord
 - ALGVOOR: bALGVOOR
 - Intro: bIntro
 - OP1: bOP1
 - OP1a: bOP1a
 - OP2: bOP2
 - OP2a: bOP2a
 - OP3: bOP3
 - OP3a: bOP3a
 - OP4: bOP4
 - OP4a: bOP4a
 - OP5: bOP5
 - OP5a: bOP5a
 - OP6: bOP6
 - OP6a: bOP6a
 - OP7: bOP7
 - OP7a: bOP7a
 - OP8: bOP8
 - OP8a: bOP8a
 - Select: bSelect
 - ALGNA: bALGNA



Unique
model

- EBB_HH
 - Ident_HH: B_Ident_HH
 - NAW: B_NAW
 - Alg_HH: B_Algemeen_HH
 - HHBox_HH: B_HHBox_HH
 - Natio_HH: B_NATIO_HH
 - GebLand_HH: B_GebLand_HH
 - Stkprfgeg: B_Steekproefgegevens
 - Afsluit: B_Afsluit
 - HH_Afl: B_HH_Afleidingen
 - Gewicht: B_Gewicht
 - Persoon: ARRAY[1..8] OF BPERSON

2. Matching information from the previous wave

- Retro
- Followed education
- Sample information
- Nationality
- Land of birth

2. Matching information from the previous wave

Match to file 3 months ago, but:

- Possibility to skip one wave
- Difference between statistical period and survey period

So:

- Match to file with records of last 8 months



Additional slides

3. Matching codes for occupation, economic activity and education

- Coding is a separate process
- Available 3 weeks after survey period
- Unemployment figures
- First run without these codes
- Second run with codes

3. Matching codes for occupation, economic activity and education

- Only codes for new observed occupations, economic activities or educations are delivered
- Received codes => match these codes
- No code => same job, occupation or education?

3. Matching codes for occupation, economic activity and education

- ***T_ZelfWrk***

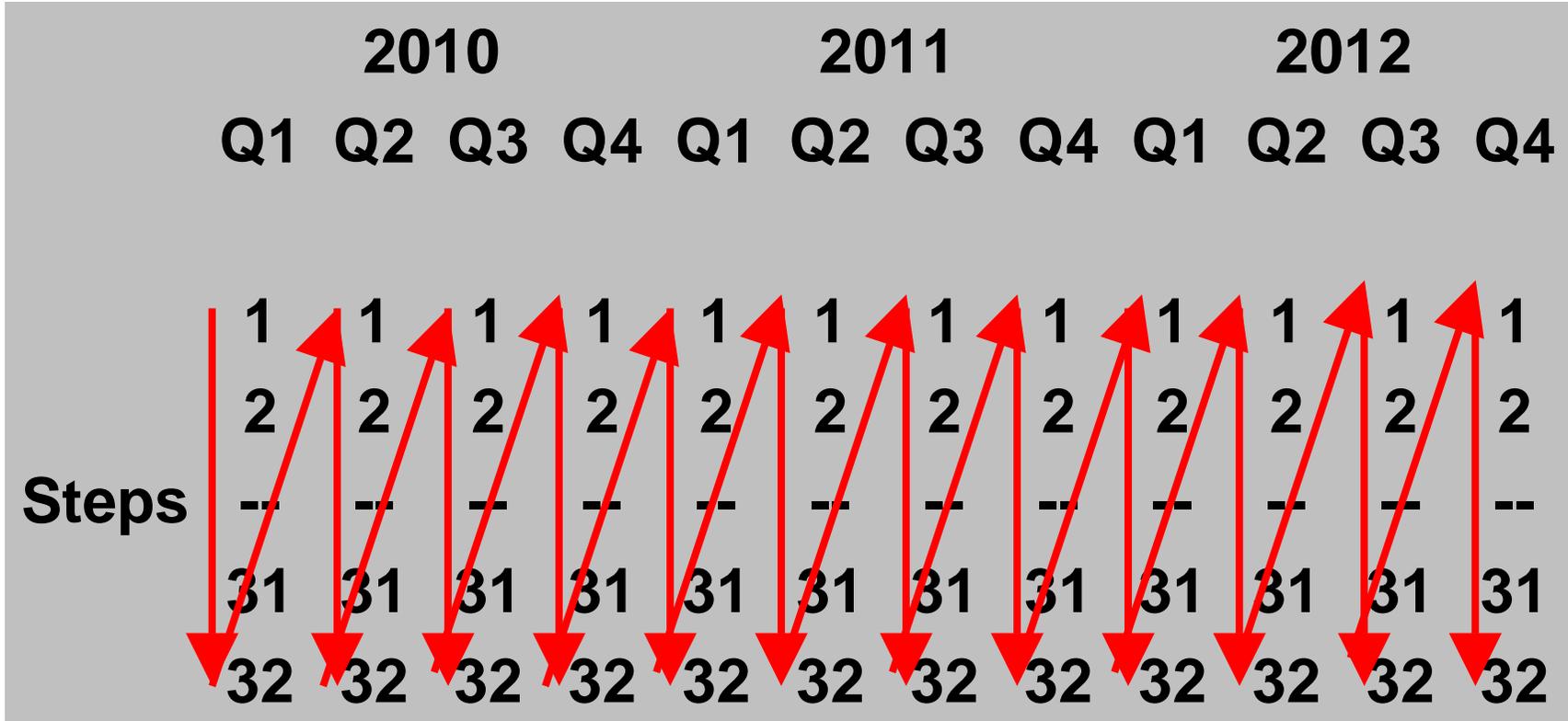
Previous time you worked <workname>. Is this still the case?

- ***T_Beroep***

Do you have the same profession or function as the previous time?

- ***T_Opleiding***

Previous time you were studying. Is this still the case?



Survey Design Dutch LFS since 2010

Wave	Mode	2011				2012		
		Q1	Q2	Q3	Q4	Q2	Q3	Q4
1	CAPI/CATI	E1	F1	G1	H1	J1	K1	L1
2	CATI	D2	E2	F2	G2	I2	J2	K2
3	CATI	C3	D3	E3	F3	H3	I3	J3
4	CATI	B4	C4	D4	E4	G4	H4	I4
5	CATI	A5	B5	C5	D5	F5	G5	H5

2. Matching information from the previous wave

S_PersID	S_Peiling_nummer	CL_NatKode	CL_GebKode
3516284	2 0001	6030	
3516284	2 0001	6030	
3516285	4 0001	6030	
3516284	2 0001	6030	
3516285	4 0001	6030	
3516284	2 0001	6030	
3516285	4 0001	6030	
3516284	2 0001	6030	
3516285	4 0001	6030	
3516284	2 0001	6030	
3516285	4 0001	6030	
3516286	4 0001	6030	
3516287	4 0001	6030	
3516288	4 0001	6030	
3516289	4 0001	6030	
3516290	4 0001	6030	
3516293	3 0339	6043	

Combine 8 files to 1

S_PersID	S_Peiling_nummer	CL_NatKode	CL_GebKode
3516284	2 0001	6030	
3516285	4 0001	6030	
3516286	4 0001	6030	
3516287	4 0001	6030	
3516288	4 0001	6030	
3516289	4 0001	6030	
3516290	4 0001	6030	
3516293	3 0339	6043	