

This document provides all column names, feature descriptions, data types, data mappings, and keys for the **NiDS 2017** and **NiDS-CRAM 2021** datasets respectively.


Notes:	All non-answers such as 'Refused', 'Don't Know', and 'Not Applicable' has been mapped to NaN (BLANK() in PowerBI).	CTRL+F (Command+F) to find a specific feature.
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HHRoster_2017.csv				
Column name	Description	Data type	Mapping	Code
hhid	Unique household number	Int	None	
pid	Unique number	Int	None	
intrv_m	Date of interview, month	String	intrv_m	
popgrp	What race group does [...] belong to?	Int	African	1
			Coloured	2
			Asian/Indian	3
			White	4
			Other (specify)	5
gen	What is [...]’s gender?	String	Male Female	
dob_m	Date of birth, month	String	dob_m	
dob_y	Date of birth, year	Int	dob_y	
mar	Are they formally married or living together? (Including customary or traditional marriages)	Int	Formally married	1
			Living together	2
			Not living together	3


Household_2017.csv				
Column name	Description	Data type	Mapping	Code
hhid	Unique household number	Int	None	
mrt24mnth	Has any member of this household, who usually lived here for at least four nights a week, died in the last 24 months?	String	Yes No	
mrtddod_m1	What was [...]’s date of death?, month	String	mrtddod_m1	
mrtddod_y1	What was [...]’s date of death?, year	Int	mrtddod_y1	
mrtage1	How old was [...] when he/she died?	Int	mrtddod_y1	
mrtddod_m2	What was [...]’s date of death?, month	String	mrtddod_m2	
mrtddod_y2	What was [...]’s date of death?, year	Int	mrtddod_y2	
mrtage2	How old was [...] when he/she died?	Int	mrtage2	
dwltyp	Indicate the type of main dwelling that the household occupies.	Int	Dwelling/house or brick structure on a separate stand or yard or on farm	1
			Traditional dwelling/hut/structure made of traditional materials	2
			Flat or apartment in a block of flats	3
			Town/cluster/semi-detached house (simplex, duplex or triplex)	4
			Unit in retirement village	5
			Dwelling/house/flat/room in backyard	6
			Informal dwelling/shack in backyard	7
			Informal dwelling/shack not in backyard, e.g. in an informal/ squatter settlement or on farm	8
			Room/flatlet	9
			Caravan/tent	10
			Other (specify)	11
watsrc	What is this household’s main source of water?	Int	Piped (tap) water in dwelling	1
			Piped (tap) water on site or in yard	2
			Public tap	3
			Water-Carrier/tanker	4
			Borehole on site	5
			Borehole off site/communal	6
			Rain-water tank on site	7
			Flowing water/stream	8
			Dam/pool/stagnant water	9
			Well	10
			Spring	11
			Other (specify)	12
watdis	How far is the water source from the dwelling?	Int	Less than 100 m	1
			100 m or more but less than 200 m	2
			200 m or more but less than 500 m	3
			500 m or more but less than 1 km	4
			500 m or more but less than 1 km	5
			1 km or more	6
toi	What type of toilet facility is available for this household?	Int	Flush toilet with onsite disposal (septic tank / soak-away)	1
			Flush toilet with offsite disposal	2
			Chemical toilet	3
			Pit latrine with ventilation pipe (VIP)	4
			Pit latrine without ventilation pipe	5
			Bucket toilet	6
			None	7
			Other (specify)	9
toishr	Is the toilet facility shared with other households?	String	Yes No	
enrgelec	Does this household have electricity even if currently disconnected?	String	Yes No	
enrgck	What is the main source of energy/fuel for this household?, Cooking	Int	Electricity from mains	1
			Electricity from generator	2
			Gas	3
			Paraffin	4
			Wood	5
			Coal	6
			Animal Dung	8
			Solar Energy	9
			Other (specify)	10
			None	11
enrght	What is the main source of energy/fuel for this household?, Heating	Int	Electricity from mains	1
			Electricity from generator	2
			Gas	3
			Paraffin	4
			Wood	5
			Coal	6
			Animal Dung	8
			Solar Energy	9
			Other (specify)	10
			None	11
enrglight	What is the main source of energy/fuel for this household?, Lighting	Int	Electricity from mains	1
			Electricity from generator	2
			Gas	3
			Paraffin	4
			Candles	7
			Solar Energy	9
			Other (specify)	10
			None	11
refrem	Is your refuse or rubbish removed at least once a week by local authorities?	String	Yes No	
empl	Did anyone in this household receive income from employment or self-employment in the last month?	String	Yes No	
rent	Did anyone in this household receive rental income in the last month?	String	Yes No	
grn	Did anyone in this household receive income from government grants in the last month?	String	Yes No	
tinc	What was the total amount of income (after income tax) that this household received in the last month?	Int	tinc	
tinc_brac1	More than or less than R3000?	Int	More than	1
			About equal to	2
			Less than	3
tinc_brac2	More than or less than R1500?	Int	More than	1
			About equal to	2
			Less than	3
tinc_brac3	More than or less than R6000?	Int	More than	1
			About equal to	2
			Less than	3
tinc_brac4	More than or less than R750?	Int	More than	1
			About equal to	2
			Less than	3
tinc_brac5	More than or less than R11000?	Int	More than	1
			About equal to	2
			Less than	3
tinc_brac6	More than or less than R27000?	Int	More than	1
			About equal to	2
			Less than	3
ownrad	Questions about household items which the household may or may not own - Radio	String	Yes No	
ownhif	Questions about household items which the household may or may not own - Hi-Fi stereo , CD player, MP3 player	String	Yes No	
owntel	Questions about household items which the household may or may not own - Television	String	Yes No	
ownsat	Questions about household items which the household may or may not own - Satellite dish	String	Yes No	
ownvid	Questions about household items which the household may or may not own - DVD or Blu-ray player	String	Yes No	
owncom	Questions about household items which the household may or may not own - Computer	String	Yes No	
owncam	Questions about household items which the household may or may not own - Camera	String	Yes No	
owncel	Questions about household items which the household may or may not own - Cell phone	String	Yes No	
ownelestv	Questions about household items which the household may or may not own - Electric stove	String	Yes No	
owngasstv	Questions about household items which the household may or may not own - Gas stove	String	Yes No	
ownparstv	Questions about household items which the household may or may not own - Paraffin stove	String	Yes No	
ownmic	Questions about household items which the household may or may not own - Microwave	String	Yes No	
ownfrg	Questions about household items which the household may or may not own - Fridge/freezer	String	Yes No	
ownwsh	Questions about household items which the household may or may not own - Washing machine	String	Yes No	
ownvehpri	Questions about household items which the household may or may not own - Motor vehicle in running condition	String	Yes No	
tellnd	Does this household have a landline telephone in the dwelling?	Int	Yes - Currently in working condition	1
			Yes - Currently not in working condition	2
			No	3
prov	Can you confirm the province you are currently living in?	Int	Western Cape	1
			Eastern Cape	2
			Northern Cape	3
			Free State	4
			KwaZulu-Natal	5
			North West	6
			Gauteng	7
			Mpumalanga	8
			Limpopo	9
geo	The derived geographical type of the area	Int	Farms	1
			Traditional	2
			Urban	3

Employment_2017.csv				
Column name	Description	Data type	Mapping	Code
pid	Unique number	Int	None	
em1	Are you currently being paid a wage or salary to work on a regular basis for an employer whether full or part time.	String	Yes No	
emlinc	How much did you earn last month at your main job before any deductions for tax, medical aid, or pension?	Int	emlinc	
emlpay	How much was your take-home pay last month?	Int	emlpay	
emicontr	Are you employed on the basis of a written contract or a verbal agreement	Int	A written contract A verbal agreement	1 2
ems	Have you engaged in any self-employment activities during the last month, including running your own business?	String	Yes No	
emsincifr	In the last month, how much money did you keep for yourself after paying expenses out of all of your businesses?	Int	emsincifr	
emc	Have you done any casual work to earn money in the past 30 days?	String	Yes No	
emcinc	How much did you earn from all casual work during the past 30 days?	Int	emcinc	
unemdc	How long ago was it since you last worked?	Int	Less than 3 months	1
			3 months - less than 6 months	2
			6 months - less than 9 months	3
			9 months - less than 1 year	4
			1 year - less than 3 years	5
			3 years - less than 5 years	6
			More than 5 years	7
unemex	What was the main reason you stopped working in your last job/business?	Int	Health reasons	1
			Caring for own children/relatives	2
			Pregnancy	3
			Other family/ community responsibilities	4
			Going to school	5
			Lost job/ job ended/ laid off/ business sold/ closed down	6
			Changed residence	7
			Dissatisfied with the job	8
			Retired	9
			Marriage	10
			Other (specify)	11
unemwnt	In the last 4 weeks, would you have liked to work for pay, profit, or family gain?	String	Yes No	
unems1	In the last four weeks, what are all the things that you have done to search for work or to start a business?	Int	Registered at an employment agency	1
			Enquired at workplaces, farms, factories, or called on other possible employers	2
			Placed advertisement (s)	3
			Answered advertisements	4
			Searched through job advertisement (s) on the internet	5
			Sought assistance from relatives or friends	6
			Looked for land, building, equipment or applied for permit to start own business or farming	7
			Waited at the side of the road	8
			Sought financial assistance to start a business	9
			Other (specify)	10
			Nothing	11
			I am too old	11
			I am a full-time student/learner	2
noemex	What is the main reason you were not available to work in the last four weeks	Int	I am sick/disabled	3
			I do not like the available jobs and would rather not work	4
			I do not like working	5
			I do domestic duties and look after children and or elderly/disabled family members	6
			I look after children	7
			It costs too much to look for work	8
			The wages are too low, it is not worth my time working	9
			I spend my time cooking and cleaning, shopping etc.	10
			Other (specify)	11
			I am pregnant	12
			Still looking for work	13



Personal_2021.csv				
Column name	Description	Data type	Mapping	Code
 pid	Unique number	Int	None	
intrv_m	Date of interview, month	String	intrv_m	
dob_m	Date of birth, month	String	dob_m	
dob_y	Date of birth, year	Int	dob_y	
gen	Can you confirm your gender?	String	Male	
			Female	
			Other	
popgrp	Can you confirm your race?	Int	African/Black	1
			Coloured	2
			Asian/Indian	3
			White	4
			Other	5
mar	Do you have a partner or are you married (including traditional marriage)?	String	Yes	
			No	
lvetog	Living Together	String	Yes	
			No	

Household_2021.csv				
Column name	Description	Data type	Mapping	Code
 pid	Unique number	Int	None	
prov	Can you confirm the province you are currently living in?	Int	Western Cape	1
			Eastern Cape	2
			Northern Cape	3
			Free State	4
			KwaZulu-Natal	5
			North West	6
			Gauteng	7
			Mpumalanga	8
			Limpopo	9
area	What type of area are you living in now? Is it a traditional area/chiefdom, urban area/town, farm/rural area?	Int	Traditional area/chiefdom	1
			Urban area/town	2
			Farm/rural area	3
area_des	Which of the following best describes the area you live in now: Traditional, informal settlement, township, formal residential, farm, or small holding?	Int	Traditional area/chiefdom	1
			Informal settlement	2
			Township	3
			Formal residential	4
			Farm	5
			Small holding	6
dwltyp	What type of dwelling or house do you live in?	Int	A house or a flat	1
			A traditional house like a mud hut	2
			An informal house like a shack	3
			Other	4
watsrc	Do you have piped or tap water inside your dwelling or house or in your yard?	String	Yes	
			No	
enrgelec	Does your dwelling or house have access to electricity?	String	Yes	
			No	
nopres	How many people (including yourself) live in the household now? Don't forget to include babies.	Int	nopres	
nou7res	Younger than 7 (don't forget babies)?	Int	nou7res	
no7to17res	Between 7 and 17?	Int	no7to17res	
nocld	Number of household members between 18 and 60	Int	nocld	
no60res	Older than 60	Int	no60res	
hhincchld	How many child support grants did this household receive in March?	Int	hhincchld	
incchld	If you don't know the exact number, did anyone in this household receive a child support grant in March?	String	Yes	
			No	
hhincgovpen	How many people in your household received an old age pension grant in March?	Int	hhincgovpen	
incgovpen	If you don't know the exact number, did anyone in this household receive an old age pension grant in March?	String	Yes	
			No	
hhinccv	How many people in your household received the special COVID-19 social relief of distress grant in March?	Int	hhinccv	-7
			Don't know exact number, but at least 1	
incgov	Did you personally receive any kind of government grant in March?	String	Yes	
			No	
hhinc	What was the total amount of income (after tax) that this household received in March? This should include all sources of income for all household members.	Int	hhinc	
hhinc_brac	Was it less than R1500, between R1500 and R3000, between R3000 and R5000, or more than R5000?	Int	Less than R1500	1
			Between R1500 and R3000	2
			Between R3000 and R5000	3
			More than R5000	4
hhincmain	In March which of these sources of income was the main or biggest source of income for this household?	Int	Income from employment	1
			Income from a business	2
			Government grants	3
			Money from friends or family	4
			Other, specify	5
			Household had no income in March	6
			Pension	7
hhincsrc1	In March, which of these were sources of income for this household?	Int	As per hhincmain	1-7
hhincsrc2				
hhincsrc3				
hhincsrc4				
hhfdyn	In the month of March, did your household run out of money to buy food?	String	Yes	
			No	
fdayn	In the last 7 days has anyone in your household gone hungry because there wasn't enough food?	String	Yes	
			No	
			No	
fdaskp	How often did they go hungry?	Int	Never	1
			1 or 2 days	2
			3 or 4 days	3
			Almost every day	4
			Every day	5
fdcyn	In the past 7 days, has any child in your household gone hungry because there wasn't enough food?	String	Yes	
			No	
fdcskp	How often did they go hungry?	Int	As per fdaskp	1-5

Employment_2021.csv				
New column	Description	Data type	Mapping	Code
 pid	Unique number	Int	None	
em	In March, did you have any kind of job?	Int	Yes	1
			No	2
			No, I'm retired	3
emany	In March, did you work for any profit or pay, even if just for an hour or a small amount?	String	Yes	
			No	
ems	In March, did you do any kind of business such as selling things - big or small - even if only for one hour?	Int	Yes	1
			No - I'm employed	2
			No - I did nothing	3
emreturn	Do you have any paid activity or job that you will return to in the next 4 weeks?	String	Yes	
			No	
emabs	What is the main reason you were not working in March?	Int	Lockdown	1
			Self isolating	2
			Poor health	3
			Business temporarily closed	4
			It's illegal to go to work	5
			I'm on enforced leave	6
			No transport	7
			I'm studying	8
			Other, specify	9
			Retrenched	10
			Retired/ too old/ pensioner	11
			Pregnant/ maternity	12
			Annual leave (on holiday)	13
emtyp	Which of the following best describes your main form of work?	Int	Regular job	1
			Casual work	2
			Self-employed	3
			I run a business	4
emwnt	Are you available and willing to work in the next 7 days?	String	Yes	
			No	
noemdc	When was the last time you worked?	Int	6 months - 1 year ago	1
			More than 1 year ago	2
			I have never worked	3
			4 - 6 months ago	4
			This month	5
			Last month	6
noemex	Why are you unavailable or unwilling to work in the next 7 days?	Int	2 - 3 months ago	7
			Child care	1
			Problems with my health	2
			Looking after sick householdmember(s)	3
			I'm retired (too old/ pensioner)	4
			I'm studying	5
			I've tried to find job but can't get one	6
			Other, specify	7
			Coronavirus	8
			I can't search for jobs because oflockdown	9
			I haven't been called for work	10
			I'm too scared of Coronavirus to go out	11
			Looking after elderly/ disabled familymembers	12
emdays	Now think of a usual week in March, how many days did you work in that week?	Int	emdays	-7
			I was on leave	
empay_freq	How often are you paid? Is it daily, weekly, every 2 weeks, or monthly?	Int	Daily	1
			Weekly	2
			Every two weeks	3
			Monthly	4
emdayinc	How much was your daily takehome pay (after tax and deductions) the last time you got paid in March?	Int	emdayinc	
emwkinc	How much was your weekly takehome pay (after tax and deductions) the last time you got paid in March?	Int	emwkinc	
emwkinc_brac	Was your take-home pay zero, less than R700, between R700 and R1400, between R1400 and R2800, between R2800 and R5500 or more than R5500?	Int	Zero/nothing	1
			Less than R700	2
			Between R701 and R1400	3
			Between R1401 and R2800	4
			Between R2801 and R5500	5
			More than R5500	6
em2wksinc	How much was your fortnightly takehome pay (after tax and deductions) the last time you got paid in March?	Int	em2wksinc	
em2wksinc_brac	Was your fortnightly take-home pay zero, less than R1400, between R1400 and R2800, between R2800 and R5500, between R5500 and R11000 or more than R11000?	Int	Zero/nothing	1
			Nothing/Lost money	1
			Less than R1400	2
			Between R1401 and R2800	3
			Between R2801 and R5500	4
			Between R5501 and R110000	5
			More than R11000	6
eminc	How much was your monthly takehomepay (after tax and deductions) the last time you got paid in March?	Int	eminc	
eminc_brac	Was your monthly take-home pay zero, less than R3000, between R3000 and R6000, between R6000 and R12000, between R12000 and R24000 or more than R24000?	Int	Zero/nothing	1
			Less than R3000	2
			Between R3001 and R6000	3
			Between R6001 and R12000	4
			Between R12001 and R24000	5
			More than R24000	6
emcontr	Do you have a written contract with your employer?	String	Yes	
			No	
embusdays	Now think of a usual week in March, how many days did you work in that week?	Int	embusdays	-7
			I was on leave	
emsinc	How much was your take-home pay or profit (after tax and deductions) in March?	Int	emsinc	
emsinc_brac	Was it less than R3000, between R3000 and R6000, between R6000 and R12000, between R12000 and R24000 or more than R24000?	Int	Zero/nothing	1
			Nothing/Lost money	1
			Less than R3000	2
			Between R3001 and R6000	3
			Between R6001 and R12000	4
			Between R12001 and R24000	5
			More than R24000	6
unems	Did you actively search for work in March?	String	Yes	
			No	