SnapAnalyst Schema Documentation

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Table: households

Description: Core household case data. Each row represents one SNAP household case from quality control review.
Row Count: ~50,000 per fiscal year

Columns

Column	Type	Description
id	SERIAL PRIMARY KEY	Internal database ID (auto-generated)
case_id	VARCHAR(50)	SNAP household identification number (row number from source
case_classification	INTEGER	Case classification for error rate calculation
fiscal_year	INTEGER	Fiscal year of the quality control review
state_code	VARCHAR(2)	FIPS code for State or territory (numeric)
state_name	VARCHAR(50)	State or territory name
year_month	VARCHAR(6)	Sample year and month in YYYYMM format
status	INTEGER	Status of case error findings
snap_benefit	DECIMAL(10,2)	Final calculated benefit (SNAP benefit allotment)
raw_benefit	DECIMAL(10,2)	Reported SNAP benefit received (before QC corrections)
amount_error	DECIMAL(10,2)	Amount of benefit in error
maximum_benefit	DECIMAL(10,2)	Maximum benefit amount for unit size and region
minimum_benefit	DECIMAL(10,2)	Minimum benefit amount
gross_income	DECIMAL(12,2)	Final gross countable unit income
net_income	DECIMAL(12,2)	Final net countable income after deductions
earned_income	DECIMAL(12,2)	Countable unit earned income
unearned_income	DECIMAL(12,2)	Countable unit unearned income
certified_household_size	INTEGER	Certified unit size
raw_household_size	INTEGER	Reported number of people in household
snap_unit_size	INTEGER	Constructed certified unit size

Note: Showing first 20 of 54 columns

Table: household_members

Description: Individual household member data. Each household has 1-17 members.
Row Count: ~120,000 (about 2.4 members per household average)

Columns

Column	Type	Description
id	SERIAL PRIMARY KEY	Internal database ID (auto-generated)
household_id	INTEGER	Foreign key to households table
member_number	INTEGER	Member position in household (1-17)
age	INTEGER	Age in years
sex	INTEGER	Sex of member
snap_affiliation_code	INTEGER	SNAP case affiliation - member's participation status
disability_indicator	INTEGER	Person-level disability indicator
foster_child_indicator	INTEGER	Foster child status
working_indicator	INTEGER	Person-level working indicator
wages	DECIMAL(10,2)	Countable wages and salaries
self_employment_income	DECIMAL(10,2)	Countable self-employment income
social_security	DECIMAL(10,2)	Countable Social Security income (RSDI)
ssi	DECIMAL(10,2)	Countable SSI benefits
unemployment	DECIMAL(10,2)	Countable unemployment compensation
tanf	DECIMAL(10,2)	Countable TANF payments
child_support	DECIMAL(10,2)	Countable child support payment income
veterans_benefits	DECIMAL(10,2)	Countable veterans' benefits
workers_compensation	DECIMAL(10,2)	Countable workers' compensation benefits
total_earned_income	DECIMAL(10,2)	Sum of all earned income sources (calculated field)
total_unearned_income	DECIMAL(10,2)	Sum of all unearned income sources (calculated field)

Note: Showing first 20 of 21 columns

Table: qc_errors

Description: Quality Control errors (variances) found during review. Up to 9 errors per household.
Row Count: ~20,000 errors across all households

Columns

Column	Type	Description
id	SERIAL PRIMARY KEY	Internal database ID (auto-generated)
household_id	INTEGER	Foreign key to households table
error_number	INTEGER	Error sequence number for this household (1-9)
element_code	INTEGER	Variance element - type of problem area
nature_code	INTEGER	Nature of variance - what went wrong
responsible_agency	INTEGER	Agency or client responsibility
error_amount	DECIMAL(10,2)	Variance dollar amount
discovery_method	INTEGER	How variance was discovered
verification_status	INTEGER	How variance was verified
occurrence_date	INTEGER	Variance occurrence date in YYYYMM format
time_period	VARCHAR(20)	Variance time period
error_finding	INTEGER	Impact of variance on benefits
created_at	TIMESTAMP	Record creation timestamp