

Questionnaire Coding in Excel

Standalone verified Python analysis

Method: Questionnaire Coding in Excel

Method type: coding_workflow

Design: Excel-ready numeric coding, lookup dictionary, reverse scoring, and validation for selected questionnaire fields.

Variables: school, sex, higher, internet, Dalc, Walc

Inference scope: No hypothesis test is required; coding completeness and permitted-value validation are the outputs.

Formula: XLOOKUP/category map for labels; reverse=minimum+maximum-original=6-original.

Source rows: 649

Calculated metrics:

rows_coded: 649

coded_variables: 6

invalid_or_unmapped_cells: 0

higher_yes_rate: 0.8936825885978429

internet_yes_rate: 0.7673343605546995

reverse_sum_check_failures: 0

Independent reference values:

rows_coded: 649

coded_variables: 6

invalid_or_unmapped_cells: 0

higher_yes_rate: 0.8936825885978429

internet_yes_rate: 0.7673343605546995

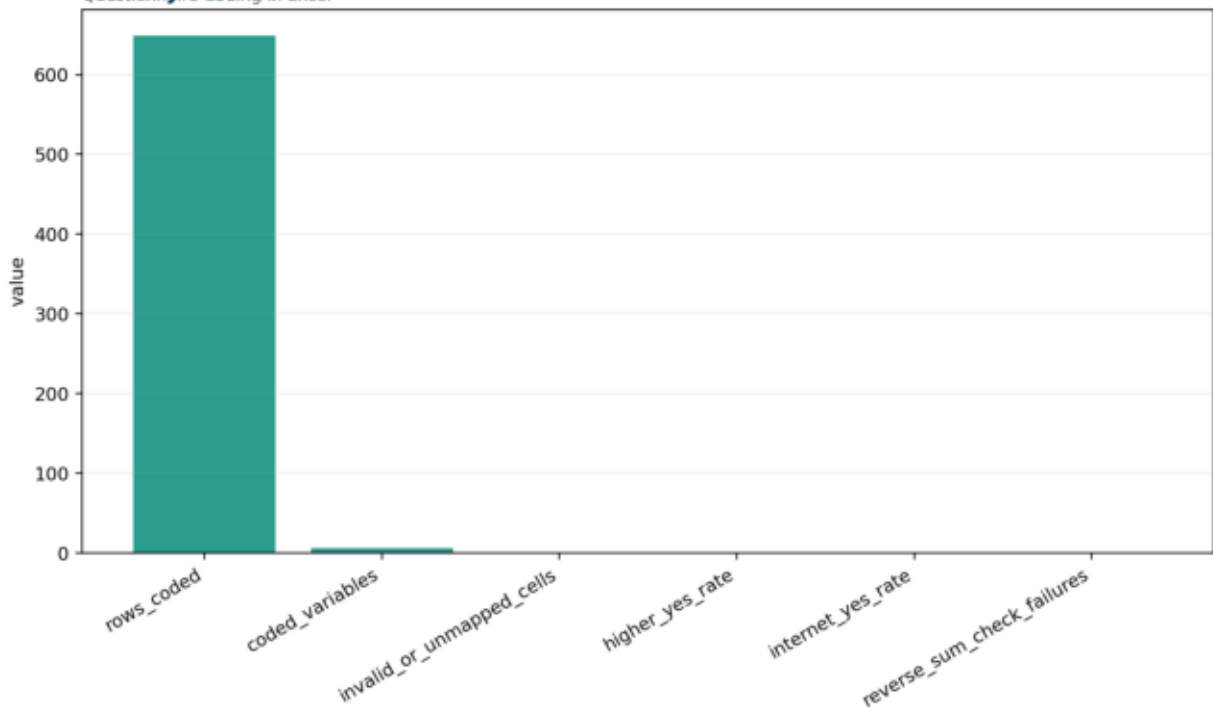
reverse_sum_check_failures: 0

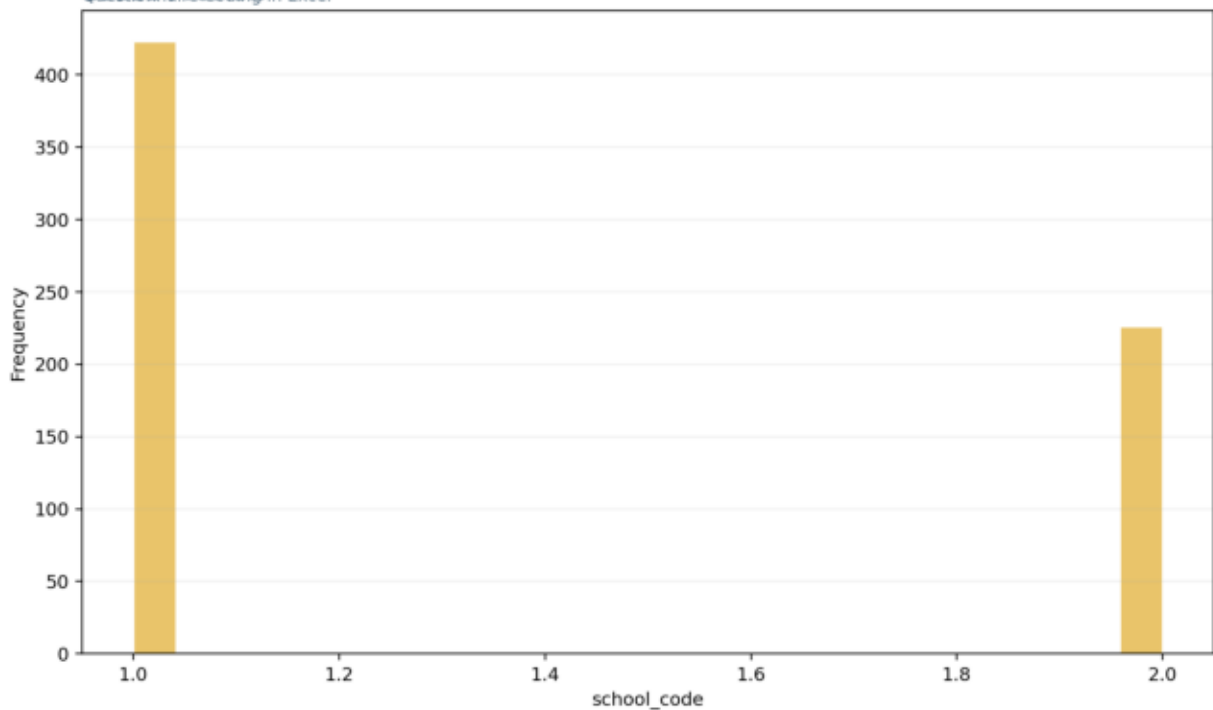
Interpretation:

Stable numeric codes are paired with an explicit lookup dictionary.

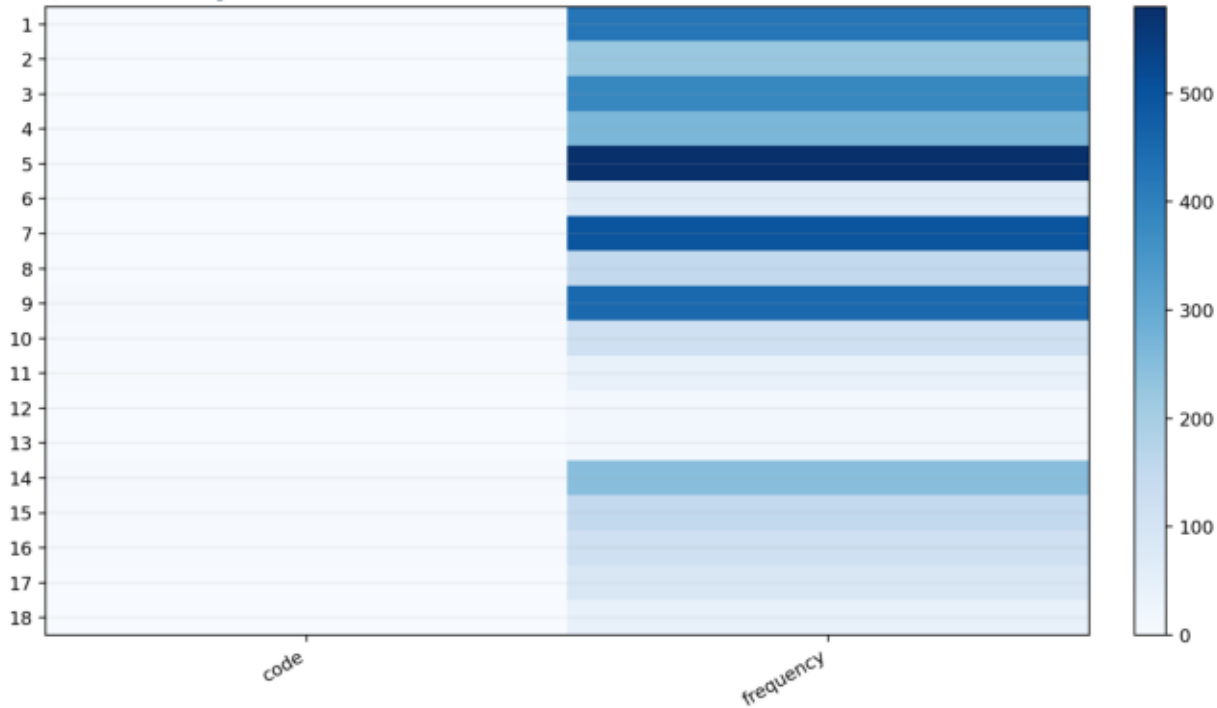
All 649 rows were validated; unmapped cells=0.

Primary Metrics

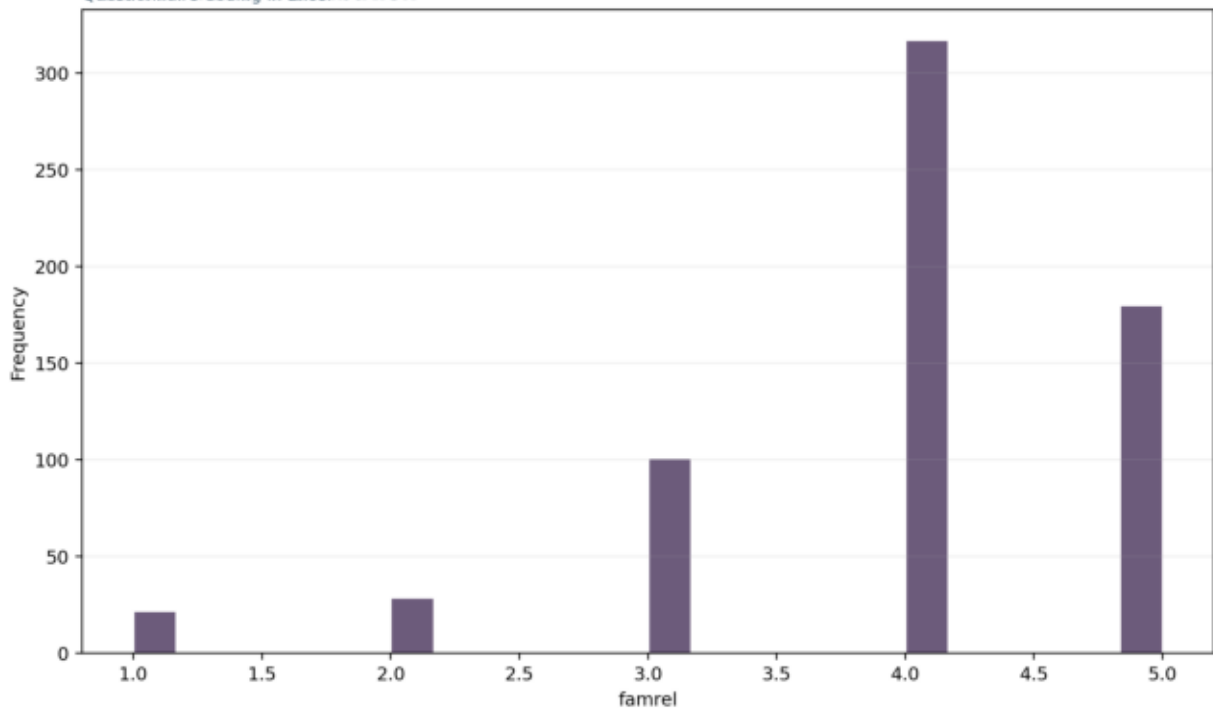




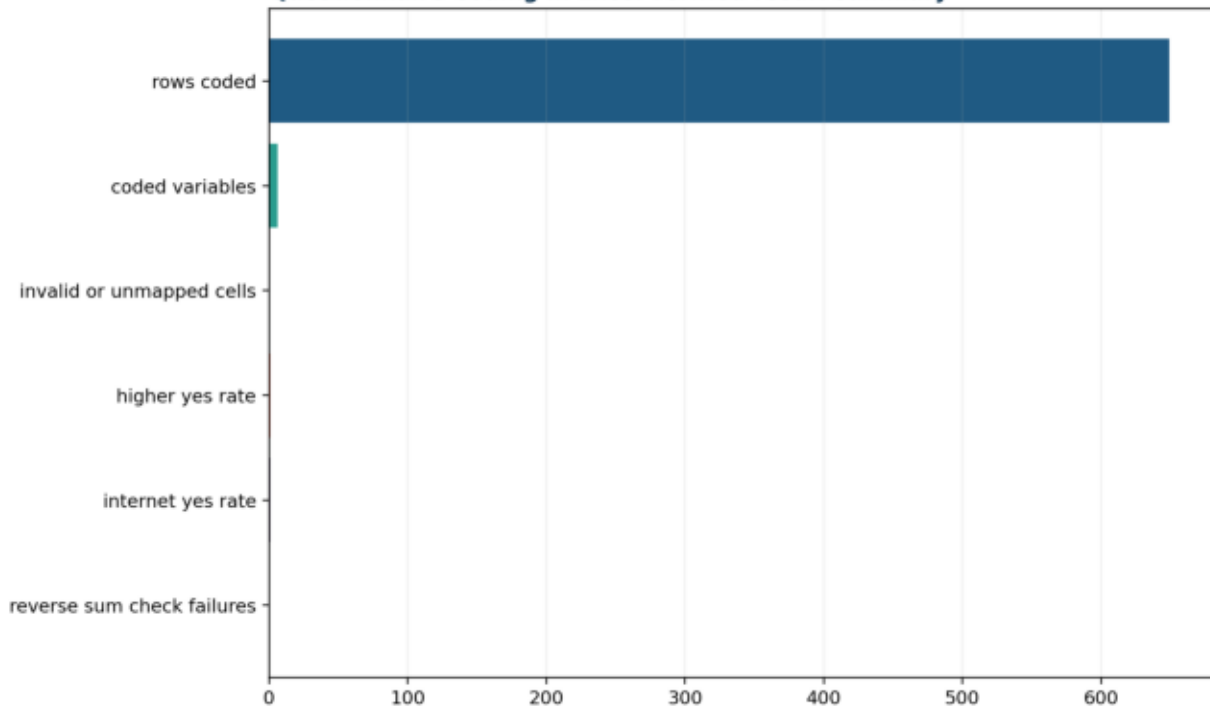
Coded Value Counts



Source Famrel Distribution



Questionnaire Coding in Excel verified result summary



Primary Metrics

metric	value
rows_coded	649
coded_variables	6
invalid_or_unmapped_cells	0
higher_yes_rate	0.893683
internet_yes_rate	0.767334
reverse_sum_check_failures	0

Coding Dictionary

variable	source_value	numeric_code
school	GP	1
school	MS	2
sex	F	1
sex	M	2
higher/internet	no	0
higher/internet	yes	1
Dalc/Walc	1..5	6-original

Coded Preview

school_code	sex_code	higher_code	internet_code	Dalc_reverse	Walc_reverse
1	1	1	0	5	5
1	1	1	1	5	5
1	1	1	1	4	3
1	1	1	1	5	5
1	1	1	0	5	4
1	2	1	1	5	4
1	2	1	1	5	5
1	1	1	0	5	5
1	2	1	1	5	5
1	2	1	1	5	5
1	1	1	1	5	4
1	1	1	1	5	5
1	2	1	1	5	3
1	2	1	1	5	4
1	2	1	1	5	5
1	1	1	1	5	4
1	1	1	1	5	4
1	1	1	0	5	5
1	2	1	1	4	2
1	2	1	1	5	3
1	2	1	1	5	5
1	2	1	1	5	5
1	2	1	1	5	3
1	2	1	1	4	2
1	1	1	1	5	5
1	1	1	1	5	3

Coded Value Counts

code	frequency	variable
1	423	school_code
2	226	school_code
1	383	sex_code
2	266	sex_code
1	580	higher_code
0	69	higher_code
1	498	internet_code
0	151	internet_code
5	451	Dalc_reverse
4	121	Dalc_reverse
3	43	Dalc_reverse
1	17	Dalc_reverse
2	17	Dalc_reverse
5	247	Walc_reverse
4	150	Walc_reverse
3	120	Walc_reverse
2	87	Walc_reverse
1	45	Walc_reverse