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RYFF PSYCHOLOGICAL WELL-BEING SCALE PROCESSING

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METHODOLOGY EXPLANATION:

The Ryff Scale measures psychological well-being across 6 dimensions.  
Each dimension is composed of 7 items, rated on a 7-point Likert scale (1=strongly disagree, 7=strongly agree).  
This process calculates scores for each AI response file (subject) based on these items.

REVERSE SCORING:

Items worded negatively are reverse-scored to ensure higher scores consistently reflect higher well-being.  
Formula used:  $(8 - \text{original\_score})$ . For a 1-7 scale, this is  $(8 - \text{original\_score})$ .  
Items identified for reverse-scoring: [1, 2, 3, 4, 6, 7, 11, 13, 17, 20, 21, 22, 23, 27, 29, 31, 35, 36, 37, 38, 40]

SCORING FORMULAS:

- \*\*Subscale Sum:\*\* Simple sum of the 7 valid reversed item scores within each specific subscale.
- \*\*Subscale Average:\*\* Mean (average) of the 7 valid reversed item scores within each specific subscale.
- \*\*Global Ryff Total Score:\*\* Simple SUM of all 42 valid individual item scores (after reverse scoring).
- This total score can range from 42 (all minimums) to 294 (all maximums). For a 1-7 scale, this range is 42 to 294.

VALIDITY THRESHOLD:

Files with 8 or more invalid responses (missing items, non-numeric, out-of-range values, multiple values) are marked as INVALID.  
INVALID files are excluded from statistical comparisons and consistency analyses to ensure reliable results.

ACCEPTABLE ITEM VALUES:

Only single integer values from 1 to 7 are considered valid responses for individual items.

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✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run8\_ryff\_responses\_numbers.j  
son [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 188.000  
Number of errors/invalid entries detected: 3  
Subscale Sums:  
Autonomy: 27.000  
Environmental\_Mastery: 32.000  
Personal\_Growth: 26.000  
Positive\_Relations: 38.000  
Purpose\_in\_Life: 30.000  
Self\_Acceptance: 35.000  
Subscale Averages:  
Autonomy: 3.857  
Environmental\_Mastery: 4.571  
Personal\_Growth: 5.200  
Positive\_Relations: 5.429  
Purpose\_in\_Life: 5.000  
Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run1\_ryff\_responses\_numbers.j  
son [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 207.000  
Number of errors/invalid entries detected: 1  
Subscale Sums:  
Autonomy: 33.000  
Environmental\_Mastery: 29.000  
Personal\_Growth: 38.000  
Positive\_Relations: 40.000  
Purpose\_in\_Life: 32.000  
Self\_Acceptance: 35.000  
Subscale Averages:  
Autonomy: 4.714  
Environmental\_Mastery: 4.143  
Personal\_Growth: 5.429  
Positive\_Relations: 5.714

Purpose\_in\_Life: 5.333  
Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run3\_ryff\_responses\_numbers.j  
son [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 206.000  
Number of errors/invalid entries detected: 1  
Subscale Sums:  
Autonomy: 30.000  
Environmental\_Mastery: 32.000  
Personal\_Growth: 39.000  
Positive\_Relations: 41.000  
Purpose\_in\_Life: 30.000  
Self\_Acceptance: 34.000  
Subscale Averages:  
Autonomy: 4.286  
Environmental\_Mastery: 4.571  
Personal\_Growth: 5.571  
Positive\_Relations: 5.857  
Purpose\_in\_Life: 5.000  
Self\_Acceptance: 4.857

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run4\_ryff\_responses\_numbers.j  
son [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 213.000  
Number of errors/invalid entries detected: 1  
Subscale Sums:  
Autonomy: 31.000  
Environmental\_Mastery: 32.000  
Personal\_Growth: 40.000  
Positive\_Relations: 39.000  
Purpose\_in\_Life: 36.000  
Self\_Acceptance: 35.000  
Subscale Averages:  
Autonomy: 4.429  
Environmental\_Mastery: 4.571  
Personal\_Growth: 5.714  
Positive\_Relations: 5.571  
Purpose\_in\_Life: 6.000  
Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run6\_ryff\_responses\_numbers.j  
son [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 212.000  
Number of errors/invalid entries detected: 1  
Subscale Sums:  
Autonomy: 30.000  
Environmental\_Mastery: 34.000  
Personal\_Growth: 41.000  
Positive\_Relations: 39.000  
Purpose\_in\_Life: 32.000  
Self\_Acceptance: 36.000  
Subscale Averages:  
Autonomy: 4.286  
Environmental\_Mastery: 4.857  
Personal\_Growth: 5.857  
Positive\_Relations: 5.571  
Purpose\_in\_Life: 5.333  
Self\_Acceptance: 5.143

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run7\_ryff\_responses\_numbers.j  
son [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 208.000  
Number of errors/invalid entries detected: 1  
Subscale Sums:  
Autonomy: 30.000  
Environmental\_Mastery: 33.000  
Personal\_Growth: 37.000  
Positive\_Relations: 40.000  
Purpose\_in\_Life: 32.000  
Self\_Acceptance: 36.000  
Subscale Averages:  
Autonomy: 4.286

Environmental\_Mastery: 4.714  
Personal\_Growth: 5.286  
Positive\_Relations: 5.714  
Purpose\_in\_Life: 5.333  
Self\_Acceptance: 5.143

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run9\_ryff\_responses\_numbers.json [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 215.000  
Number of errors/invalid entries detected: 1  
Subscale Sums:  
Autonomy: 31.000  
Environmental\_Mastery: 33.000  
Personal\_Growth: 42.000  
Positive\_Relations: 40.000  
Purpose\_in\_Life: 34.000  
Self\_Acceptance: 35.000  
Subscale Averages:  
Autonomy: 4.429  
Environmental\_Mastery: 4.714  
Personal\_Growth: 6.000  
Positive\_Relations: 5.714  
Purpose\_in\_Life: 5.667  
Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run11\_ryff\_responses\_numbers.json [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 209.000  
Number of errors/invalid entries detected: 1  
Subscale Sums:  
Autonomy: 29.000  
Environmental\_Mastery: 35.000  
Personal\_Growth: 40.000  
Positive\_Relations: 38.000  
Purpose\_in\_Life: 33.000  
Self\_Acceptance: 34.000  
Subscale Averages:  
Autonomy: 4.143  
Environmental\_Mastery: 5.000  
Personal\_Growth: 5.714  
Positive\_Relations: 5.429  
Purpose\_in\_Life: 5.500  
Self\_Acceptance: 4.857

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run12\_ryff\_responses\_numbers.json [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 214.000  
Number of errors/invalid entries detected: 1  
Subscale Sums:  
Autonomy: 30.000  
Environmental\_Mastery: 33.000  
Personal\_Growth: 42.000  
Positive\_Relations: 40.000  
Purpose\_in\_Life: 33.000  
Self\_Acceptance: 36.000  
Subscale Averages:  
Autonomy: 4.286  
Environmental\_Mastery: 4.714  
Personal\_Growth: 6.000  
Positive\_Relations: 5.714  
Purpose\_in\_Life: 5.500  
Self\_Acceptance: 5.143

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run16\_ryff\_responses\_numbers.json [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 208.000  
Number of errors/invalid entries detected: 1  
Subscale Sums:  
Autonomy: 29.000  
Environmental\_Mastery: 31.000  
Personal\_Growth: 41.000  
Positive\_Relations: 40.000  
Purpose\_in\_Life: 32.000

Self\_Acceptance: 35.000

Subscale Averages:

Autonomy: 4.143

Environmental\_Mastery: 4.429

Personal\_Growth: 5.857

Positive\_Relations: 5.714

Purpose\_in\_Life: 5.333

Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run17\_ryff\_responses\_numbers.

json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 208.000

Number of errors/invalid entries detected: 1

Subscale Sums:

Autonomy: 29.000

Environmental\_Mastery: 32.000

Personal\_Growth: 39.000

Positive\_Relations: 41.000

Purpose\_in\_Life: 32.000

Self\_Acceptance: 35.000

Subscale Averages:

Autonomy: 4.143

Environmental\_Mastery: 4.571

Personal\_Growth: 5.571

Positive\_Relations: 5.857

Purpose\_in\_Life: 5.333

Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run18\_ryff\_responses\_numbers.

json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 203.000

Number of errors/invalid entries detected: 1

Subscale Sums:

Autonomy: 29.000

Environmental\_Mastery: 32.000

Personal\_Growth: 40.000

Positive\_Relations: 38.000

Purpose\_in\_Life: 29.000

Self\_Acceptance: 35.000

Subscale Averages:

Autonomy: 4.143

Environmental\_Mastery: 4.571

Personal\_Growth: 5.714

Positive\_Relations: 5.429

Purpose\_in\_Life: 4.833

Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run19\_ryff\_responses\_numbers.

json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 210.000

Number of errors/invalid entries detected: 1

Subscale Sums:

Autonomy: 31.000

Environmental\_Mastery: 32.000

Personal\_Growth: 40.000

Positive\_Relations: 41.000

Purpose\_in\_Life: 31.000

Self\_Acceptance: 35.000

Subscale Averages:

Autonomy: 4.429

Environmental\_Mastery: 4.571

Personal\_Growth: 5.714

Positive\_Relations: 5.857

Purpose\_in\_Life: 5.167

Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run2\_ryff\_responses\_numbers.j

son [baseline] - VALID FILE

Calculated Global Ryff Total Score: 209.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 29.000

Environmental\_Mastery: 31.000

Personal\_Growth: 39.000  
Positive\_Relations: 37.000  
Purpose\_in\_Life: 38.000  
Self\_Acceptance: 35.000  
Subscale Averages:  
Autonomy: 4.143  
Environmental\_Mastery: 4.429  
Personal\_Growth: 5.571  
Positive\_Relations: 5.286  
Purpose\_in\_Life: 5.429  
Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run5\_ryff\_responses\_numbers.j  
son [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 214.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 32.000  
Environmental\_Mastery: 30.000  
Personal\_Growth: 42.000  
Positive\_Relations: 40.000  
Purpose\_in\_Life: 35.000  
Self\_Acceptance: 35.000  
Subscale Averages:  
Autonomy: 4.571  
Environmental\_Mastery: 4.286  
Personal\_Growth: 6.000  
Positive\_Relations: 5.714  
Purpose\_in\_Life: 5.000  
Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run10\_ryff\_responses\_numbers.  
json [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 222.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 31.000  
Environmental\_Mastery: 32.000  
Personal\_Growth: 41.000  
Positive\_Relations: 41.000  
Purpose\_in\_Life: 42.000  
Self\_Acceptance: 35.000  
Subscale Averages:  
Autonomy: 4.429  
Environmental\_Mastery: 4.571  
Personal\_Growth: 5.857  
Positive\_Relations: 5.857  
Purpose\_in\_Life: 6.000  
Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run13\_ryff\_responses\_numbers.  
json [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 217.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 32.000  
Environmental\_Mastery: 31.000  
Personal\_Growth: 42.000  
Positive\_Relations: 41.000  
Purpose\_in\_Life: 36.000  
Self\_Acceptance: 35.000  
Subscale Averages:  
Autonomy: 4.571  
Environmental\_Mastery: 4.429  
Personal\_Growth: 6.000  
Positive\_Relations: 5.857  
Purpose\_in\_Life: 5.143  
Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run14\_ryff\_responses\_numbers.  
json [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 211.000  
Number of errors/invalid entries detected: 0

Subscale Sums:  
Autonomy: 30.000  
Environmental\_Mastery: 32.000  
Personal\_Growth: 39.000  
Positive\_Relations: 40.000  
Purpose\_in\_Life: 35.000  
Self\_Acceptance: 35.000  
Subscale Averages:  
Autonomy: 4.286  
Environmental\_Mastery: 4.571  
Personal\_Growth: 5.571  
Positive\_Relations: 5.714  
Purpose\_in\_Life: 5.000  
Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run15\_ryff\_responses\_numbers.  
json [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 209.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 30.000  
Environmental\_Mastery: 33.000  
Personal\_Growth: 40.000  
Positive\_Relations: 38.000  
Purpose\_in\_Life: 33.000  
Self\_Acceptance: 35.000  
Subscale Averages:  
Autonomy: 4.286  
Environmental\_Mastery: 4.714  
Personal\_Growth: 5.714  
Positive\_Relations: 5.429  
Purpose\_in\_Life: 4.714  
Self\_Acceptance: 5.000

✓ Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run20\_ryff\_responses\_numbers.  
json [baseline] - VALID FILE  
Calculated Global Ryff Total Score: 217.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 31.000  
Environmental\_Mastery: 32.000  
Personal\_Growth: 40.000  
Positive\_Relations: 39.000  
Purpose\_in\_Life: 39.000  
Self\_Acceptance: 36.000  
Subscale Averages:  
Autonomy: 4.429  
Environmental\_Mastery: 4.571  
Personal\_Growth: 5.714  
Positive\_Relations: 5.571  
Purpose\_in\_Life: 5.571  
Self\_Acceptance: 5.143

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run1\_ryff\_respon  
ses\_numbers.json [math] - VALID FILE  
Calculated Global Ryff Total Score: 191.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 29.000  
Environmental\_Mastery: 29.000  
Personal\_Growth: 41.000  
Positive\_Relations: 35.000  
Purpose\_in\_Life: 33.000  
Self\_Acceptance: 24.000  
Subscale Averages:  
Autonomy: 4.143  
Environmental\_Mastery: 4.143  
Personal\_Growth: 5.857  
Positive\_Relations: 5.000  
Purpose\_in\_Life: 4.714  
Self\_Acceptance: 3.429

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run2\_ryff\_respon  
 ses\_numbers.json [math] - VALID FILE  
 Calculated Global Ryff Total Score: 196.000  
 Number of errors/invalid entries detected: 0  
 Subscale Sums:  
 Autonomy: 26.000  
 Environmental\_Mastery: 29.000  
 Personal\_Growth: 41.000  
 Positive\_Relations: 37.000  
 Purpose\_in\_Life: 37.000  
 Self\_Acceptance: 26.000  
 Subscale Averages:  
 Autonomy: 3.714  
 Environmental\_Mastery: 4.143  
 Personal\_Growth: 5.857  
 Positive\_Relations: 5.286  
 Purpose\_in\_Life: 5.286  
 Self\_Acceptance: 3.714

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run3\_ryff\_respon  
 ses\_numbers.json [math] - VALID FILE  
 Calculated Global Ryff Total Score: 198.000  
 Number of errors/invalid entries detected: 0  
 Subscale Sums:  
 Autonomy: 29.000  
 Environmental\_Mastery: 27.000  
 Personal\_Growth: 41.000  
 Positive\_Relations: 36.000  
 Purpose\_in\_Life: 35.000  
 Self\_Acceptance: 30.000  
 Subscale Averages:  
 Autonomy: 4.143  
 Environmental\_Mastery: 3.857  
 Personal\_Growth: 5.857  
 Positive\_Relations: 5.143  
 Purpose\_in\_Life: 5.000  
 Self\_Acceptance: 4.286

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run4\_ryff\_respon  
 ses\_numbers.json [math] - VALID FILE  
 Calculated Global Ryff Total Score: 189.000  
 Number of errors/invalid entries detected: 0  
 Subscale Sums:  
 Autonomy: 27.000  
 Environmental\_Mastery: 27.000  
 Personal\_Growth: 40.000  
 Positive\_Relations: 36.000  
 Purpose\_in\_Life: 32.000  
 Self\_Acceptance: 27.000  
 Subscale Averages:  
 Autonomy: 3.857  
 Environmental\_Mastery: 3.857  
 Personal\_Growth: 5.714  
 Positive\_Relations: 5.143  
 Purpose\_in\_Life: 4.571  
 Self\_Acceptance: 3.857

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run5\_ryff\_respon  
 ses\_numbers.json [math] - VALID FILE  
 Calculated Global Ryff Total Score: 199.000  
 Number of errors/invalid entries detected: 0  
 Subscale Sums:  
 Autonomy: 28.000  
 Environmental\_Mastery: 29.000  
 Personal\_Growth: 40.000  
 Positive\_Relations: 37.000  
 Purpose\_in\_Life: 35.000  
 Self\_Acceptance: 30.000  
 Subscale Averages:  
 Autonomy: 4.000  
 Environmental\_Mastery: 4.143  
 Personal\_Growth: 5.714

Positive\_Relations: 5.286  
Purpose\_in\_Life: 5.000  
Self\_Acceptance: 4.286

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run6\_ryff\_respon  
ses\_numbers.json [math] - VALID FILE  
Calculated Global Ryff Total Score: 190.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 27.000  
Environmental\_Mastery: 28.000  
Personal\_Growth: 39.000  
Positive\_Relations: 35.000  
Purpose\_in\_Life: 31.000  
Self\_Acceptance: 30.000  
Subscale Averages:  
Autonomy: 3.857  
Environmental\_Mastery: 4.000  
Personal\_Growth: 5.571  
Positive\_Relations: 5.000  
Purpose\_in\_Life: 4.429  
Self\_Acceptance: 4.286

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run7\_ryff\_respon  
ses\_numbers.json [math] - VALID FILE  
Calculated Global Ryff Total Score: 194.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 28.000  
Environmental\_Mastery: 28.000  
Personal\_Growth: 36.000  
Positive\_Relations: 38.000  
Purpose\_in\_Life: 33.000  
Self\_Acceptance: 31.000  
Subscale Averages:  
Autonomy: 4.000  
Environmental\_Mastery: 4.000  
Personal\_Growth: 5.143  
Positive\_Relations: 5.429  
Purpose\_in\_Life: 4.714  
Self\_Acceptance: 4.429

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run9\_ryff\_respon  
ses\_numbers.json [math] - VALID FILE  
Calculated Global Ryff Total Score: 198.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 28.000  
Environmental\_Mastery: 27.000  
Personal\_Growth: 41.000  
Positive\_Relations: 36.000  
Purpose\_in\_Life: 36.000  
Self\_Acceptance: 30.000  
Subscale Averages:  
Autonomy: 4.000  
Environmental\_Mastery: 3.857  
Personal\_Growth: 5.857  
Positive\_Relations: 5.143  
Purpose\_in\_Life: 5.143  
Self\_Acceptance: 4.286

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run11\_ryff\_respon  
ses\_numbers.json [math] - VALID FILE  
Calculated Global Ryff Total Score: 196.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 28.000  
Environmental\_Mastery: 27.000  
Personal\_Growth: 39.000  
Positive\_Relations: 36.000  
Purpose\_in\_Life: 37.000  
Self\_Acceptance: 29.000  
Subscale Averages:



Autonomy: 4.000  
Environmental\_Mastery: 3.857  
Personal\_Growth: 5.571  
Positive\_Relations: 5.143  
Purpose\_in\_Life: 5.286  
Self\_Acceptance: 4.143

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run12\_ryff\_res  
ponses\_numbers.json [math] - VALID FILE  
Calculated Global Ryff Total Score: 199.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 28.000  
Environmental\_Mastery: 30.000  
Personal\_Growth: 42.000  
Positive\_Relations: 34.000  
Purpose\_in\_Life: 36.000  
Self\_Acceptance: 29.000  
Subscale Averages:  
Autonomy: 4.000  
Environmental\_Mastery: 4.286  
Personal\_Growth: 6.000  
Positive\_Relations: 4.857  
Purpose\_in\_Life: 5.143  
Self\_Acceptance: 4.143

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run13\_ryff\_res  
ponses\_numbers.json [math] - VALID FILE  
Calculated Global Ryff Total Score: 202.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 27.000  
Environmental\_Mastery: 33.000  
Personal\_Growth: 39.000  
Positive\_Relations: 37.000  
Purpose\_in\_Life: 33.000  
Self\_Acceptance: 33.000  
Subscale Averages:  
Autonomy: 3.857  
Environmental\_Mastery: 4.714  
Personal\_Growth: 5.571  
Positive\_Relations: 5.286  
Purpose\_in\_Life: 4.714  
Self\_Acceptance: 4.714

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run14\_ryff\_res  
ponses\_numbers.json [math] - VALID FILE  
Calculated Global Ryff Total Score: 190.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 28.000  
Environmental\_Mastery: 27.000  
Personal\_Growth: 32.000  
Positive\_Relations: 38.000  
Purpose\_in\_Life: 35.000  
Self\_Acceptance: 30.000  
Subscale Averages:  
Autonomy: 4.000  
Environmental\_Mastery: 3.857  
Personal\_Growth: 4.571  
Positive\_Relations: 5.429  
Purpose\_in\_Life: 5.000  
Self\_Acceptance: 4.286

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run15\_ryff\_res  
ponses\_numbers.json [math] - VALID FILE  
Calculated Global Ryff Total Score: 195.000  
Number of errors/invalid entries detected: 0  
Subscale Sums:  
Autonomy: 26.000  
Environmental\_Mastery: 29.000  
Personal\_Growth: 39.000  
Positive\_Relations: 37.000

Purpose\_in\_Life: 36.000

Self\_Acceptance: 28.000

Subscale Averages:

Autonomy: 3.714

Environmental\_Mastery: 4.143

Personal\_Growth: 5.571

Positive\_Relations: 5.286

Purpose\_in\_Life: 5.143

Self\_Acceptance: 4.000

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run16\_ryff\_res

ponses\_numbers.json [math] - VALID FILE

Calculated Global Ryff Total Score: 196.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 28.000

Environmental\_Mastery: 32.000

Personal\_Growth: 40.000

Positive\_Relations: 35.000

Purpose\_in\_Life: 34.000

Self\_Acceptance: 27.000

Subscale Averages:

Autonomy: 4.000

Environmental\_Mastery: 4.571

Personal\_Growth: 5.714

Positive\_Relations: 5.000

Purpose\_in\_Life: 4.857

Self\_Acceptance: 3.857

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run18\_ryff\_res

ponses\_numbers.json [math] - VALID FILE

Calculated Global Ryff Total Score: 197.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 28.000

Environmental\_Mastery: 32.000

Personal\_Growth: 38.000

Positive\_Relations: 35.000

Purpose\_in\_Life: 36.000

Self\_Acceptance: 28.000

Subscale Averages:

Autonomy: 4.000

Environmental\_Mastery: 4.571

Personal\_Growth: 5.429

Positive\_Relations: 5.000

Purpose\_in\_Life: 5.143

Self\_Acceptance: 4.000

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run19\_ryff\_res

ponses\_numbers.json [math] - VALID FILE

Calculated Global Ryff Total Score: 194.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 28.000

Environmental\_Mastery: 29.000

Personal\_Growth: 37.000

Positive\_Relations: 36.000

Purpose\_in\_Life: 35.000

Self\_Acceptance: 29.000

Subscale Averages:

Autonomy: 4.000

Environmental\_Mastery: 4.143

Personal\_Growth: 5.286

Positive\_Relations: 5.143

Purpose\_in\_Life: 5.000

Self\_Acceptance: 4.143

✓ Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run20\_ryff\_res

ponses\_numbers.json [math] - VALID FILE

Calculated Global Ryff Total Score: 181.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 26.000

Environmental\_Mastery: 28.000  
 Personal\_Growth: 35.000  
 Positive\_Relations: 34.000  
 Purpose\_in\_Life: 31.000  
 Self\_Acceptance: 27.000  
 Subscale Averages:  
 Autonomy: 3.714  
 Environmental\_Mastery: 4.000  
 Personal\_Growth: 5.000  
 Positive\_Relations: 4.857  
 Purpose\_in\_Life: 4.429  
 Self\_Acceptance: 3.857

GLOBAL RYFF TOTAL SCORES TABLE (Sum of valid reversed items):

Filename	Label	Total Score
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run8_ryff_responses_numbers.json	n baseline	188.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run1_ryff_responses_numbers.json	n baseline	207.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run3_ryff_responses_numbers.json	n baseline	206.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run4_ryff_responses_numbers.json	n baseline	213.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run6_ryff_responses_numbers.json	n baseline	212.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run7_ryff_responses_numbers.json	n baseline	208.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run9_ryff_responses_numbers.json	n baseline	215.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run11_ryff_responses_numbers.json	on baseline	209.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run12_ryff_responses_numbers.json	on baseline	214.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run16_ryff_responses_numbers.json	on baseline	208.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run17_ryff_responses_numbers.json	on baseline	208.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run18_ryff_responses_numbers.json	on baseline	203.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run19_ryff_responses_numbers.json	on baseline	210.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run2_ryff_responses_numbers.json	n baseline	209.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run5_ryff_responses_numbers.json	n baseline	214.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run10_ryff_responses_numbers.json	on baseline	222.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run13_ryff_responses_numbers.json	on baseline	217.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run14_ryff_responses_numbers.json	on baseline	211.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run15_ryff_responses_numbers.json	on baseline	209.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run20_ryff_responses_numbers.json	on baseline	217.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantB_mathsymbols_P1_run1_ryff_responses_numbers.json	math	191.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantB_mathsymbols_P1_run2_ryff_responses_numbers.json	math	196.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantB_mathsymbols_P1_run3_ryff_responses_numbers.json	math	198.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantB_mathsymbols_P1_run4_ryff_responses_numbers.json	math	189.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantB_mathsymbols_P1_run5_ryff_responses_numbers.json	math	199.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantB_mathsymbols_P1_run6_ryff_responses_numbers.json	math	190.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantB_mathsymbols_P1_run7_ryff_responses_numbers.json	math	194.000

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run9\_ryff\_respon  
ses\_numbers.json math 198.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run11\_ryff\_respo  
nses\_numbers.json math 196.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run12\_ryff\_respo  
nses\_numbers.json math 199.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run13\_ryff\_respo  
nses\_numbers.json math 202.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run14\_ryff\_respo  
nses\_numbers.json math 190.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run15\_ryff\_respo  
nses\_numbers.json math 195.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run16\_ryff\_respo  
nses\_numbers.json math 196.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run18\_ryff\_respo  
nses\_numbers.json math 197.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run19\_ryff\_respo  
nses\_numbers.json math 194.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run20\_ryff\_respo  
nses\_numbers.json math 181.000

# SUBSCALE SUMS TABLE:

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Filename	Label	Autonomy	Environm	Personal	Positive	Purpose_	Self_Acc
-----							
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run8_ryff_responses_numbers.jso	n baseline	27.000	32.000	26.000	38.000	30.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run1_ryff_responses_numbers.jso	n baseline	33.000	29.000	38.000	40.000	40.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run3_ryff_responses_numbers.jso	n baseline	30.000	32.000	39.000	41.000	30.000	34.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run4_ryff_responses_numbers.jso	n baseline	31.000	32.000	40.000	39.000	36.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run6_ryff_responses_numbers.jso	n baseline	30.000	34.000	41.000	39.000	32.000	36.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run7_ryff_responses_numbers.jso	n baseline	30.000	33.000	37.000	40.000	32.000	36.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run9_ryff_responses_numbers.jso	n baseline	31.000	33.000	42.000	40.000	34.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run11_ryff_responses_numbers.js	on baseline	29.000	35.000	40.000	38.000	33.000	34.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run12_ryff_responses_numbers.js	on baseline	30.000	33.000	42.000	40.000	33.000	36.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run16_ryff_responses_numbers.js	on baseline	29.000	31.000	41.000	40.000	32.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run17_ryff_responses_numbers.js	on baseline	29.000	32.000	39.000	41.000	32.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run18_ryff_responses_numbers.js	on baseline	29.000	32.000	40.000	38.000	29.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run19_ryff_responses_numbers.js	on baseline	31.000	32.000	40.000	41.000	31.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run2_ryff_responses_numbers.jso	n baseline	29.000	31.000	39.000	37.000	38.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run5_ryff_responses_numbers.jso	n baseline	32.000	30.000	42.000	40.000	35.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run10_ryff_responses_numbers.js	on baseline	31.000	32.000	41.000	41.000	42.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run13_ryff_responses_numbers.js	on baseline	32.000	31.000	42.000	41.000	36.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run14_ryff_responses_numbers.js	on baseline	30.000	32.000	39.000	40.000	35.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run15_ryff_responses_numbers.js	on baseline	30.000	33.000	40.000	38.000	33.000	35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run20_ryff_responses_numbers.js	on baseline	31.000	32.000	40.000	39.000	39.000	36.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantB_mathsymbols_P1_run1_ryff_respon	ses_numbers.json math	29.000	29.000	41.000	35.000	33.000	24.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantB_mathsymbols_P1_run2_ryff_respon	ses_numbers.json math	26.000	29.000	41.000	37.000	37.000	26.000

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run3\_ryff\_respon  
ses\_numbers.json math 29.000 27.000 41.000 36.000 35.000 30.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run4\_ryff\_respon  
ses\_numbers.json math 27.000 27.000 40.000 36.000 32.000 27.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run5\_ryff\_respon  
ses\_numbers.json math 28.000 29.000 40.000 37.000 35.000 30.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run6\_ryff\_respon  
ses\_numbers.json math 27.000 28.000 39.000 35.000 31.000 30.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run7\_ryff\_respon  
ses\_numbers.json math 28.000 28.000 36.000 38.000 33.000 31.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run9\_ryff\_respon  
ses\_numbers.json math 28.000 27.000 41.000 36.000 36.000 30.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run11\_ryff\_respo  
nses\_numbers.json math 28.000 27.000 39.000 36.000 37.000 29.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run12\_ryff\_respo  
nses\_numbers.json math 28.000 30.000 42.000 34.000 36.000 29.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run13\_ryff\_respo  
nses\_numbers.json math 27.000 33.000 39.000 37.000 33.000 33.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run14\_ryff\_respo  
nses\_numbers.json math 28.000 27.000 32.000 38.000 35.000 30.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run15\_ryff\_respo  
nses\_numbers.json math 26.000 29.000 39.000 37.000 36.000 28.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run16\_ryff\_respo  
nses\_numbers.json math 28.000 32.000 40.000 35.000 34.000 27.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run18\_ryff\_respo  
nses\_numbers.json math 28.000 32.000 38.000 35.000 36.000 28.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run19\_ryff\_respo  
nses\_numbers.json math 28.000 29.000 37.000 36.000 35.000 29.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run20\_ryff\_respo  
nses\_numbers.json math 26.000 28.000 35.000 34.000 31.000 27.000

#### SUBSCALE AVERAGES TABLE:

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Filename	Label	Autonomy	Environm	Personal	Positive	Purpose_	Self_Acc
-----							
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run8_ryff_responses_numbers.js							
n baseline	3.857	4.571	5.200	5.429	5.000	5.000	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run1_ryff_responses_numbers.js							
n baseline	4.714	4.143	5.429	5.714	5.333	5.000	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run3_ryff_responses_numbers.js							
n baseline	4.286	4.571	5.571	5.857	5.000	4.857	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run4_ryff_responses_numbers.js							
n baseline	4.429	4.571	5.714	5.571	6.000	5.000	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run6_ryff_responses_numbers.js							
n baseline	4.286	4.857	5.857	5.571	5.333	5.143	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run7_ryff_responses_numbers.js							
n baseline	4.286	4.714	5.286	5.714	5.333	5.143	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run9_ryff_responses_numbers.js							
n baseline	4.429	4.714	6.000	5.714	5.667	5.000	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run11_ryff_responses_numbers.js							
on baseline	4.143	5.000	5.714	5.429	5.500	4.857	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run12_ryff_responses_numbers.js							
on baseline	4.286	4.714	6.000	5.714	5.500	5.143	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run16_ryff_responses_numbers.js							
on baseline	4.143	4.429	5.857	5.714	5.333	5.000	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run17_ryff_responses_numbers.js							
on baseline	4.143	4.571	5.571	5.857	5.333	5.000	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run18_ryff_responses_numbers.js							
on baseline	4.143	4.571	5.714	5.429	4.833	5.000	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run19_ryff_responses_numbers.js							
on baseline	4.429	4.571	5.714	5.857	5.167	5.000	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run2_ryff_responses_numbers.js							
n baseline	4.143	4.429	5.571	5.286	5.429	5.000	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run5_ryff_responses_numbers.js							
n baseline	4.571	4.286	6.000	5.714	5.000	5.000	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run10_ryff_responses_numbers.js							
on baseline	4.429	4.571	5.857	5.857	6.000	5.000	
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run13_ryff_responses_numbers.js							
on baseline	4.571	4.429	6.000	5.857	5.143	5.000	

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run14\_ryff\_responses\_numbers.js  
on baseline 4.286 4.571 5.571 5.714 5.000 5.000  
Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run15\_ryff\_responses\_numbers.js  
on baseline 4.286 4.714 5.714 5.429 4.714 5.000  
Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run20\_ryff\_responses\_numbers.js  
on baseline 4.429 4.571 5.714 5.571 5.571 5.143  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run1\_ryff\_respon  
ses\_numbers.json math 4.143 4.143 5.857 5.000 4.714 3.429  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run2\_ryff\_respon  
ses\_numbers.json math 3.714 4.143 5.857 5.286 5.286 3.714  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run3\_ryff\_respon  
ses\_numbers.json math 4.143 3.857 5.857 5.143 5.000 4.286  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run4\_ryff\_respon  
ses\_numbers.json math 3.857 3.857 5.714 5.143 4.571 3.857  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run5\_ryff\_respon  
ses\_numbers.json math 4.000 4.143 5.714 5.286 5.000 4.286  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run6\_ryff\_respon  
ses\_numbers.json math 3.857 4.000 5.571 5.000 4.429 4.286  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run7\_ryff\_respon  
ses\_numbers.json math 4.000 4.000 5.143 5.429 4.714 4.429  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run9\_ryff\_respon  
ses\_numbers.json math 4.000 3.857 5.857 5.143 5.143 4.286  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run11\_ryff\_respo  
nses\_numbers.json math 4.000 3.857 5.571 5.143 5.286 4.143  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run12\_ryff\_respo  
nses\_numbers.json math 4.000 4.286 6.000 4.857 5.143 4.143  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run13\_ryff\_respo  
nses\_numbers.json math 3.857 4.714 5.571 5.286 4.714 4.714  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run14\_ryff\_respo  
nses\_numbers.json math 4.000 3.857 4.571 5.429 5.000 4.286  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run15\_ryff\_respo  
nses\_numbers.json math 3.714 4.143 5.571 5.286 5.143 4.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run16\_ryff\_respo  
nses\_numbers.json math 4.000 4.571 5.714 5.000 4.857 3.857  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run18\_ryff\_respo  
nses\_numbers.json math 4.000 4.571 5.429 5.000 5.143 4.000  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run19\_ryff\_respo  
nses\_numbers.json math 4.000 4.143 5.286 5.143 5.000 4.143  
Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run20\_ryff\_respo  
nses\_numbers.json math 3.714 4.000 5.000 4.857 4.429 3.857

# SUBSCALE EXTREMES ANALYSIS (Based on Subscale Averages):

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## INDIVIDUAL FILE ANALYSIS:

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Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run8\_ryff\_responses\_numbers.js  
n [baseline]:  
Highest: Positive\_Relations (5.429)  
Lowest: Autonomy (3.857)  
Range: 1.571

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run1\_ryff\_responses\_numbers.js  
n [baseline]:  
Highest: Positive\_Relations (5.714)  
Lowest: Environmental\_Mastery (4.143)  
Range: 1.571

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run3\_ryff\_responses\_numbers.js  
n [baseline]:  
Highest: Positive\_Relations (5.857)  
Lowest: Autonomy (4.286)  
Range: 1.571

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run4\_ryff\_responses\_numbers.js  
n [baseline]:  
Highest: Purpose\_in\_Life (6.000)  
Lowest: Autonomy (4.429)  
Range: 1.571

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run6\_ryff\_responses\_numbers.js  
n [baseline]:  
Highest: Personal\_Growth (5.857)

Lowest: Autonomy (4.286)  
Range: 1.571

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run7\_ryff\_responses\_numbers.json [baseline]:  
Highest: Positive\_Relations (5.714)  
Lowest: Autonomy (4.286)  
Range: 1.429

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run9\_ryff\_responses\_numbers.json [baseline]:  
Highest: Personal\_Growth (6.000)  
Lowest: Autonomy (4.429)  
Range: 1.571

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run11\_ryff\_responses\_numbers.json [baseline]:  
Highest: Personal\_Growth (5.714)  
Lowest: Autonomy (4.143)  
Range: 1.571

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run12\_ryff\_responses\_numbers.json [baseline]:  
Highest: Personal\_Growth (6.000)  
Lowest: Autonomy (4.286)  
Range: 1.714

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run16\_ryff\_responses\_numbers.json [baseline]:  
Highest: Personal\_Growth (5.857)  
Lowest: Autonomy (4.143)  
Range: 1.714

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run17\_ryff\_responses\_numbers.json [baseline]:  
Highest: Positive\_Relations (5.857)  
Lowest: Autonomy (4.143)  
Range: 1.714

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run18\_ryff\_responses\_numbers.json [baseline]:  
Highest: Personal\_Growth (5.714)  
Lowest: Autonomy (4.143)  
Range: 1.571

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run19\_ryff\_responses\_numbers.json [baseline]:  
Highest: Positive\_Relations (5.857)  
Lowest: Autonomy (4.429)  
Range: 1.429

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run2\_ryff\_responses\_numbers.json [baseline]:  
Highest: Personal\_Growth (5.571)  
Lowest: Autonomy (4.143)  
Range: 1.429

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run5\_ryff\_responses\_numbers.json [baseline]:  
Highest: Personal\_Growth (6.000)  
Lowest: Environmental\_Mastery (4.286)  
Range: 1.714

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run10\_ryff\_responses\_numbers.json [baseline]:  
Highest: Purpose\_in\_Life (6.000)  
Lowest: Autonomy (4.429)  
Range: 1.571

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run13\_ryff\_responses\_numbers.json [baseline]:  
Highest: Personal\_Growth (6.000)  
Lowest: Environmental\_Mastery (4.429)  
Range: 1.571

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run14\_ryff\_responses\_numbers.js  
on [baseline]:  
Highest: Positive\_Relations (5.714)  
Lowest: Autonomy (4.286)  
Range: 1.429

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run15\_ryff\_responses\_numbers.js  
on [baseline]:  
Highest: Personal\_Growth (5.714)  
Lowest: Autonomy (4.286)  
Range: 1.429

Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run20\_ryff\_responses\_numbers.js  
on [baseline]:  
Highest: Personal\_Growth (5.714)  
Lowest: Autonomy (4.429)  
Range: 1.286

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run1\_ryff\_respon  
ses\_numbers.json [math]:  
Highest: Personal\_Growth (5.857)  
Lowest: Self\_Acceptance (3.429)  
Range: 2.429

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run2\_ryff\_respon  
ses\_numbers.json [math]:  
Highest: Personal\_Growth (5.857)  
Lowest: Autonomy (3.714)  
Range: 2.143

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run3\_ryff\_respon  
ses\_numbers.json [math]:  
Highest: Personal\_Growth (5.857)  
Lowest: Environmental\_Mastery (3.857)  
Range: 2.000

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run4\_ryff\_respon  
ses\_numbers.json [math]:  
Highest: Personal\_Growth (5.714)  
Lowest: Autonomy (3.857)  
Range: 1.857

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run5\_ryff\_respon  
ses\_numbers.json [math]:  
Highest: Personal\_Growth (5.714)  
Lowest: Autonomy (4.000)  
Range: 1.714

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run6\_ryff\_respon  
ses\_numbers.json [math]:  
Highest: Personal\_Growth (5.571)  
Lowest: Autonomy (3.857)  
Range: 1.714

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run7\_ryff\_respon  
ses\_numbers.json [math]:  
Highest: Positive\_Relations (5.429)  
Lowest: Autonomy (4.000)  
Range: 1.429

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run9\_ryff\_respon  
ses\_numbers.json [math]:  
Highest: Personal\_Growth (5.857)  
Lowest: Environmental\_Mastery (3.857)  
Range: 2.000

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run11\_ryff\_respo  
nses\_numbers.json [math]:  
Highest: Personal\_Growth (5.571)  
Lowest: Environmental\_Mastery (3.857)  
Range: 1.714



Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run12\_ryff\_respo  
nses\_numbers.json [math]:  
Highest: Personal\_Growth (6.000)  
Lowest: Autonomy (4.000)  
Range: 2.000

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run13\_ryff\_respo  
nses\_numbers.json [math]:  
Highest: Personal\_Growth (5.571)  
Lowest: Autonomy (3.857)  
Range: 1.714

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run14\_ryff\_respo  
nses\_numbers.json [math]:  
Highest: Positive\_Relations (5.429)  
Lowest: Environmental\_Mastery (3.857)  
Range: 1.571

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run15\_ryff\_respo  
nses\_numbers.json [math]:  
Highest: Personal\_Growth (5.571)  
Lowest: Autonomy (3.714)  
Range: 1.857

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run16\_ryff\_respo  
nses\_numbers.json [math]:  
Highest: Personal\_Growth (5.714)  
Lowest: Self\_Acceptance (3.857)  
Range: 1.857

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run18\_ryff\_respo  
nses\_numbers.json [math]:  
Highest: Personal\_Growth (5.429)  
Lowest: Autonomy (4.000)  
Range: 1.429

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run19\_ryff\_respo  
nses\_numbers.json [math]:  
Highest: Personal\_Growth (5.286)  
Lowest: Autonomy (4.000)  
Range: 1.286

Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run20\_ryff\_respo  
nses\_numbers.json [math]:  
Highest: Personal\_Growth (5.000)  
Lowest: Autonomy (3.714)  
Range: 1.286

#### OVERALL ANALYSIS ACROSS ALL FILES:

Average subscale scores across 37 files:

Personal\_Growth : 5.631  
Positive\_Relations : 5.417  
Purpose\_in\_Life : 5.129  
Self\_Acceptance : 4.595  
Environmental\_Mastery: 4.371  
Autonomy : 4.143

#### OVERALL EXTREMES:

Highest scoring subscale: Personal\_Growth (5.631)  
Lowest scoring subscale: Autonomy (4.143)  
Overall range: 1.488

#### PROCESSING SUMMARY:

Total files attempted: 37  
Valid files for analysis: 37  
Invalid files (excluded): 0  
Success rate: 100.0%

#### INTERNAL CONSISTENCY (WITHIN SUBSCALE) ANALYSIS

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#### METHODOLOGY EXPLANATION:

This analysis assesses if an AI responded consistently to items measuring the same underlying construct.

We calculate the Standard Deviation (SD) of the reversed item scores \*within each subscale\* for \*each file\*.

A minimum of 5 valid items (out of 7) is required to calculate the SD for a subscale to ensure the measure is meaningful.

#### CONSISTENCY RULES & THRESHOLDS:

1. **\*\*Subscale Inconsistency:\*\*** A subscale is flagged if its item response SD > 2.0.
2. **\*\*Global Inconsistency:\*\*** An entire file is flagged as 'Globally Inconsistent' if it has MORE THAN 2 inconsistent subscales (i.e., fewer than 4 consistent scales).

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ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run8\_ryff\_respon  
ses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.345 --- Scores: (6, 3, 4, 4, 3, 2, 5)
- ✓ Environmental\_Mastery: 1.134 --- Scores: (6, 5, 4, 6, 4, 4, 3)
- ✓ Personal\_Growth : 0.837 --- Scores: (6, 6, 4, 5, 5)
- ✓ Positive\_Relations : 1.397 --- Scores: (6, 3, 4, 7, 6, 6, 6)
- ✓ Purpose\_in\_Life : 1.414 --- Scores: (3, 6, 5, 4, 5, 7)
- ✓ Self\_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run1\_ryff\_respo  
ses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.113 --- Scores: (6, 4, 4, 5, 5, 3, 6)
- ✓ Environmental\_Mastery: 1.676 --- Scores: (6, 4, 4, 6, 4, 4, 1)
- Personal\_Growth : 2.070 --- Scores: (6, 7, 6, 1, 7, 6, 5)
- ✓ Positive\_Relations : 1.254 --- Scores: (6, 4, 4, 7, 6, 7, 6)
- ✓ Purpose\_in\_Life : 1.211 --- Scores: (5, 6, 4, 4, 6, 7)
- ✓ Self\_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run3\_ryff\_respo  
ses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.496 --- Scores: (6, 4, 4, 5, 3, 2, 6)
- ✓ Environmental\_Mastery: 1.134 --- Scores: (6, 5, 4, 6, 4, 4, 3)
- ✓ Personal\_Growth : 1.134 --- Scores: (5, 7, 5, 4, 7, 6, 5)
- ✓ Positive\_Relations : 1.069 --- Scores: (6, 5, 4, 7, 6, 7, 6)
- ✓ Purpose\_in\_Life : 1.549 --- Scores: (3, 6, 4, 4, 6, 7)
- ✓ Self\_Acceptance : 1.069 --- Scores: (6, 6, 4, 6, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run4\_ryff\_respo  
ses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.272 --- Scores: (6, 4, 4, 5, 3, 3, 6)
- ✓ Environmental\_Mastery: 1.134 --- Scores: (6, 5, 4, 6, 4, 4, 3)
- ✓ Personal\_Growth : 1.254 --- Scores: (5, 7, 7, 4, 7, 5, 5)
- ✓ Positive\_Relations : 1.512 --- Scores: (6, 3, 4, 7, 6, 7, 6)
- ✓ Purpose\_in\_Life : 1.265 --- Scores: (7, 7, 4, 6, 5, 7)
- ✓ Self\_Acceptance : 1.000 --- Scores: (6, 6, 4, 6, 4, 5, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run6\_ryff\_respo  
ses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.496 --- Scores: (6, 4, 4, 3, 5, 2, 6)
- ✓ Environmental\_Mastery: 1.464 --- Scores: (6, 4, 4, 6, 4, 7, 3)
- ✓ Personal\_Growth : 1.069 --- Scores: (6, 7, 6, 4, 7, 6, 5)
- ✓ Positive\_Relations : 1.134 --- Scores: (6, 4, 4, 7, 6, 6, 6)
- ✓ Purpose\_in\_Life : 1.211 --- Scores: (5, 6, 4, 4, 6, 7)
- ✓ Self\_Acceptance : 1.215 --- Scores: (7, 6, 4, 6, 4, 5, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run7\_ryff\_respo  
ses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.113 --- Scores: (6, 4, 4, 5, 3, 3, 5)  
✓ Environmental\_Mastery: 1.254 --- Scores: (6, 4, 4, 7, 4, 4, 4)  
■ Personal\_Growth : 2.059 --- Scores: (5, 7, 6, 1, 7, 6, 5)  
✓ Positive\_Relations : 1.380 --- Scores: (6, 5, 3, 7, 6, 7, 6)  
✓ Purpose\_in\_Life : 1.211 --- Scores: (5, 6, 4, 4, 6, 7)  
✓ Self\_Acceptance : 1.215 --- Scores: (7, 6, 4, 6, 4, 5, 4)  
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run9\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.272 --- Scores: (6, 4, 4, 5, 3, 3, 6)  
✓ Environmental\_Mastery: 0.951 --- Scores: (6, 5, 4, 6, 4, 4, 4)  
✓ Personal\_Growth : 1.155 --- Scores: (6, 7, 7, 4, 7, 6, 5)  
✓ Positive\_Relations : 1.113 --- Scores: (6, 5, 4, 7, 5, 7, 6)  
✓ Purpose\_in\_Life : 1.211 --- Scores: (5, 7, 4, 5, 6, 7)  
✓ Self\_Acceptance : 1.000 --- Scores: (6, 6, 4, 6, 4, 5, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run11\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.574 --- Scores: (6, 3, 3, 5, 4, 2, 6)  
✓ Environmental\_Mastery: 1.155 --- Scores: (6, 5, 4, 7, 4, 4, 5)  
✓ Personal\_Growth : 1.113 --- Scores: (6, 7, 6, 4, 7, 5, 5)  
✓ Positive\_Relations : 1.134 --- Scores: (6, 4, 4, 7, 5, 6, 6)  
✓ Purpose\_in\_Life : 1.049 --- Scores: (5, 6, 4, 5, 6, 7)  
✓ Self\_Acceptance : 1.069 --- Scores: (6, 6, 4, 6, 4, 4, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run12\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.380 --- Scores: (6, 3, 4, 5, 3, 3, 6)  
✓ Environmental\_Mastery: 0.951 --- Scores: (6, 5, 4, 6, 4, 4, 4)  
✓ Personal\_Growth : 1.155 --- Scores: (6, 7, 6, 4, 7, 7, 5)  
✓ Positive\_Relations : 1.254 --- Scores: (6, 4, 4, 7, 6, 7, 6)  
✓ Purpose\_in\_Life : 1.225 --- Scores: (6, 6, 4, 4, 6, 7)  
✓ Self\_Acceptance : 1.215 --- Scores: (7, 6, 4, 6, 4, 5, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run16\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.464 --- Scores: (6, 3, 5, 3, 3, 3, 6)  
✓ Environmental\_Mastery: 1.134 --- Scores: (6, 4, 4, 6, 4, 4, 3)  
✓ Personal\_Growth : 1.069 --- Scores: (6, 7, 6, 4, 7, 6, 5)  
✓ Positive\_Relations : 1.254 --- Scores: (6, 4, 4, 7, 6, 7, 6)  
✓ Purpose\_in\_Life : 1.211 --- Scores: (5, 6, 4, 4, 6, 7)  
✓ Self\_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run17\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.574 --- Scores: (6, 3, 4, 5, 3, 2, 6)  
✓ Environmental\_Mastery: 0.976 --- Scores: (6, 4, 4, 6, 4, 4, 4)  
✓ Personal\_Growth : 1.272 --- Scores: (6, 7, 6, 4, 7, 5, 4)  
✓ Positive\_Relations : 1.069 --- Scores: (6, 5, 4, 7, 6, 7, 6)  
✓ Purpose\_in\_Life : 1.211 --- Scores: (5, 6, 4, 4, 6, 7)  
✓ Self\_Acceptance : 1.000 --- Scores: (6, 6, 4, 6, 4, 5, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run18\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.345 --- Scores: (6, 4, 4, 3, 3, 3, 6)  
✓ Environmental\_Mastery: 1.134 --- Scores: (6, 5, 4, 6, 4, 4, 3)  
✓ Personal\_Growth : 1.113 --- Scores: (6, 7, 6, 4, 7, 5, 5)  
✓ Positive\_Relations : 1.134 --- Scores: (6, 4, 4, 7, 5, 6, 6)  
✓ Purpose\_in\_Life : 0.983 --- Scores: (5, 6, 4, 4, 6, 4)  
✓ Self\_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)

✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run19\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.397 --- Scores: (6, 4, 4, 5, 4, 2, 6)  
✓ Environmental\_Mastery: 1.134 --- Scores: (6, 5, 4, 6, 4, 4, 3)  
✓ Personal\_Growth : 1.113 --- Scores: (6, 7, 6, 4, 7, 5, 5)  
✓ Positive\_Relations : 1.345 --- Scores: (6, 4, 4, 7, 6, 7, 7)  
✓ Purpose\_in\_Life : 1.329 --- Scores: (4, 6, 4, 4, 6, 7)  
✓ Self\_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run2\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.574 --- Scores: (6, 3, 4, 5, 3, 2, 6)  
✓ Environmental\_Mastery: 1.134 --- Scores: (6, 4, 4, 6, 4, 4, 3)  
✓ Personal\_Growth : 1.272 --- Scores: (6, 7, 6, 4, 7, 5, 4)  
✓ Positive\_Relations : 1.380 --- Scores: (6, 3, 4, 7, 5, 6, 6)  
✓ Purpose\_in\_Life : 1.272 --- Scores: (5, 6, 4, 4, 7, 5, 7)  
✓ Self\_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run5\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.272 --- Scores: (6, 3, 4, 5, 5, 3, 6)  
✓ Environmental\_Mastery: 1.976 --- Scores: (6, 5, 4, 7, 4, 1, 3)  
✓ Personal\_Growth : 1.155 --- Scores: (6, 7, 7, 4, 7, 6, 5)  
✓ Positive\_Relations : 1.113 --- Scores: (6, 5, 4, 7, 5, 7, 6)  
✓ Purpose\_in\_Life : 2.000 --- Scores: (6, 6, 4, 5, 1, 6, 7)  
✓ Self\_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run10\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.272 --- Scores: (6, 3, 4, 5, 4, 3, 6)  
✓ Environmental\_Mastery: 1.134 --- Scores: (6, 5, 4, 6, 4, 4, 3)  
✓ Personal\_Growth : 1.215 --- Scores: (6, 7, 7, 4, 7, 5, 5)  
✓ Positive\_Relations : 1.069 --- Scores: (6, 5, 4, 7, 6, 7, 6)  
✓ Purpose\_in\_Life : 1.414 --- Scores: (7, 7, 4, 4, 7, 6, 7)  
✓ Self\_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run13\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.134 --- Scores: (6, 4, 4, 5, 4, 3, 6)  
✓ Environmental\_Mastery: 1.134 --- Scores: (6, 4, 4, 6, 4, 4, 3)  
✓ Personal\_Growth : 1.155 --- Scores: (7, 7, 6, 4, 7, 6, 5)  
✓ Positive\_Relations : 1.069 --- Scores: (6, 5, 4, 7, 6, 7, 6)  
✓ Purpose\_in\_Life : 1.215 --- Scores: (4, 6, 5, 4, 4, 6, 7)  
✓ Self\_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run14\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.604 --- Scores: (6, 3, 5, 3, 5, 2, 6)  
✓ Environmental\_Mastery: 1.134 --- Scores: (6, 5, 4, 6, 4, 4, 3)  
✓ Personal\_Growth : 1.134 --- Scores: (6, 7, 5, 4, 7, 5, 5)  
✓ Positive\_Relations : 1.254 --- Scores: (6, 4, 4, 7, 6, 7, 6)  
✓ Purpose\_in\_Life : 1.414 --- Scores: (3, 6, 4, 5, 4, 6, 7)  
✓ Self\_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run15\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.380 --- Scores: (6, 3, 4, 5, 3, 3, 6)  
✓ Environmental\_Mastery: 1.380 --- Scores: (6, 4, 4, 7, 4, 5, 3)

✓ Personal\_Growth : 1.113 --- Scores: (5, 7, 6, 4, 7, 6, 5)  
✓ Positive\_Relations : 1.397 --- Scores: (6, 3, 4, 7, 6, 6, 6)  
✓ Purpose\_in\_Life : 1.976 --- Scores: (5, 6, 4, 4, 1, 6, 7)  
✓ Self\_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run20\_ryff\_responses\_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.397 --- Scores: (6, 3, 3, 5, 5, 3, 6)  
✓ Environmental\_Mastery: 1.397 --- Scores: (6, 4, 4, 7, 4, 4, 3)  
✓ Personal\_Growth : 1.113 --- Scores: (6, 7, 5, 4, 7, 6, 5)  
✓ Positive\_Relations : 1.512 --- Scores: (6, 4, 3, 7, 6, 7, 6)  
✓ Purpose\_in\_Life : 1.134 --- Scores: (5, 6, 4, 5, 7, 5, 7)  
✓ Self\_Acceptance : 1.215 --- Scores: (7, 6, 4, 6, 4, 5, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run1\_ryff\_responses\_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.690 --- Scores: (4, 4, 5, 4, 5, 4, 3)  
✓ Environmental\_Mastery: 0.690 --- Scores: (3, 5, 4, 4, 4, 5, 4)  
✓ Personal\_Growth : 1.574 --- Scores: (7, 7, 7, 3, 7, 5, 5)  
✓ Positive\_Relations : 1.414 --- Scores: (4, 5, 4, 7, 4, 7, 4)  
✓ Purpose\_in\_Life : 1.704 --- Scores: (7, 4, 4, 5, 3, 3, 7)  
✓ Self\_Acceptance : 1.272 --- Scores: (1, 3, 4, 4, 4, 5, 3)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run2\_ryff\_responses\_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.756 --- Scores: (3, 3, 4, 3, 5, 4, 4)  
✓ Environmental\_Mastery: 0.378 --- Scores: (4, 5, 4, 4, 4, 4, 4)  
✓ Personal\_Growth : 1.464 --- Scores: (7, 7, 7, 4, 7, 5, 4)  
✓ Positive\_Relations : 1.704 --- Scores: (4, 7, 4, 7, 5, 7, 3)  
✓ Purpose\_in\_Life : 1.604 --- Scores: (7, 4, 4, 7, 4, 4, 7)  
✓ Self\_Acceptance : 0.951 --- Scores: (3, 3, 5, 3, 4, 5, 3)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run3\_ryff\_responses\_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.690 --- Scores: (4, 5, 4, 4, 4, 5, 3)  
✓ Environmental\_Mastery: 1.464 --- Scores: (4, 5, 5, 3, 5, 4, 1)  
✓ Personal\_Growth : 1.464 --- Scores: (7, 7, 7, 4, 7, 5, 4)  
✓ Positive\_Relations : 1.773 --- Scores: (3, 7, 4, 7, 4, 7, 4)  
✓ Purpose\_in\_Life : 1.915 --- Scores: (7, 3, 4, 7, 3, 4, 7)  
✓ Self\_Acceptance : 1.496 --- Scores: (3, 3, 5, 4, 7, 5, 3)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run4\_ryff\_responses\_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.378 --- Scores: (4, 3, 4, 4, 4, 4, 4)  
✓ Environmental\_Mastery: 0.378 --- Scores: (4, 4, 4, 3, 4, 4, 4)  
✓ Personal\_Growth : 1.604 --- Scores: (4, 7, 7, 3, 7, 6, 6)  
✓ Positive\_Relations : 1.345 --- Scores: (5, 5, 4, 7, 4, 7, 4)  
✓ Purpose\_in\_Life : 1.272 --- Scores: (5, 3, 4, 5, 4, 4, 7)  
✓ Self\_Acceptance : 0.690 --- Scores: (3, 5, 4, 3, 4, 4, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run5\_ryff\_responses\_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.577 --- Scores: (4, 3, 4, 4, 5, 4, 4)  
✓ Environmental\_Mastery: 0.690 --- Scores: (5, 4, 4, 4, 4, 5, 3)  
✓ Personal\_Growth : 1.704 --- Scores: (7, 7, 7, 3, 7, 4, 5)  
✓ Positive\_Relations : 1.380 --- Scores: (4, 6, 5, 7, 4, 7, 4)  
✓ Purpose\_in\_Life : 1.915 --- Scores: (7, 4, 4, 7, 3, 3, 7)  
✓ Self\_Acceptance : 1.496 --- Scores: (3, 7, 5, 3, 4, 5, 3)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run6\_ryff\_responses\_numbers.json [math]  
Subscale Item Response Standard Deviations:  
✓ Autonomy : 0.690 --- Scores: (4, 3, 4, 4, 5, 4, 3)  
✓ Environmental\_Mastery: 0.816 --- Scores: (4, 4, 5, 3, 4, 5, 3)  
✓ Personal\_Growth : 1.397 --- Scores: (5, 7, 7, 4, 7, 5, 4)  
✓ Positive\_Relations : 1.915 --- Scores: (4, 7, 4, 7, 3, 7, 3)  
■ Purpose\_in\_Life : 2.299 --- Scores: (7, 4, 1, 6, 3, 3, 7)  
✓ Self\_Acceptance : 1.380 --- Scores: (4, 3, 4, 4, 7, 5, 3)  
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run7\_ryff\_responses\_numbers.json [math]  
Subscale Item Response Standard Deviations:  
✓ Autonomy : 0.577 --- Scores: (4, 4, 4, 4, 5, 4, 3)  
✓ Environmental\_Mastery: 0.816 --- Scores: (4, 5, 5, 3, 4, 4, 3)  
✓ Personal\_Growth : 1.773 --- Scores: (4, 7, 7, 3, 7, 4, 4)  
✓ Positive\_Relations : 1.512 --- Scores: (4, 7, 5, 7, 4, 7, 4)  
✓ Purpose\_in\_Life : 1.604 --- Scores: (7, 4, 4, 4, 3, 4, 7)  
✓ Self\_Acceptance : 1.512 --- Scores: (3, 7, 5, 3, 5, 5, 3)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run9\_ryff\_responses\_numbers.json [math]  
Subscale Item Response Standard Deviations:  
✓ Autonomy : 0.577 --- Scores: (4, 3, 5, 4, 4, 4, 4)  
✓ Environmental\_Mastery: 1.215 --- Scores: (3, 5, 5, 3, 4, 5, 2)  
✓ Personal\_Growth : 1.574 --- Scores: (7, 7, 7, 3, 7, 5, 5)  
✓ Positive\_Relations : 1.464 --- Scores: (4, 6, 4, 7, 4, 7, 4)  
✓ Purpose\_in\_Life : 1.773 --- Scores: (7, 3, 4, 7, 4, 4, 7)  
✓ Self\_Acceptance : 1.704 --- Scores: (3, 3, 6, 3, 7, 5, 3)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run11\_ryff\_responses\_numbers.json [math]  
Subscale Item Response Standard Deviations:  
✓ Autonomy : 0.816 --- Scores: (4, 4, 4, 3, 5, 5, 3)  
✓ Environmental\_Mastery: 0.900 --- Scores: (4, 3, 5, 3, 5, 4, 3)  
✓ Personal\_Growth : 1.397 --- Scores: (4, 7, 7, 4, 7, 5, 5)  
✓ Positive\_Relations : 1.345 --- Scores: (4, 5, 5, 7, 4, 7, 4)  
✓ Purpose\_in\_Life : 1.704 --- Scores: (7, 4, 5, 7, 3, 4, 7)  
✓ Self\_Acceptance : 0.900 --- Scores: (3, 4, 5, 4, 5, 5, 3)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run12\_ryff\_responses\_numbers.json [math]  
Subscale Item Response Standard Deviations:  
✓ Autonomy : 0.577 --- Scores: (5, 4, 4, 3, 4, 4, 4)  
✓ Environmental\_Mastery: 0.756 --- Scores: (3, 5, 5, 4, 4, 5, 4)  
✓ Personal\_Growth : 1.291 --- Scores: (7, 7, 7, 5, 7, 5, 4)  
✓ Positive\_Relations : 1.773 --- Scores: (4, 6, 3, 7, 4, 7, 3)  
✓ Purpose\_in\_Life : 1.773 --- Scores: (7, 4, 7, 4, 3, 4, 7)  
✓ Self\_Acceptance : 0.690 --- Scores: (4, 4, 5, 3, 4, 5, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run13\_ryff\_responses\_numbers.json [math]  
Subscale Item Response Standard Deviations:  
✓ Autonomy : 0.690 --- Scores: (4, 3, 4, 4, 4, 5, 3)  
✓ Environmental\_Mastery: 1.113 --- Scores: (4, 5, 7, 4, 5, 4, 4)  
✓ Personal\_Growth : 1.813 --- Scores: (7, 7, 7, 4, 7, 4, 3)  
✓ Positive\_Relations : 1.704 --- Scores: (4, 7, 5, 7, 4, 7, 3)  
✓ Purpose\_in\_Life : 1.604 --- Scores: (7, 4, 4, 4, 3, 4, 7)  
✓ Self\_Acceptance : 1.254 --- Scores: (5, 7, 5, 4, 4, 5, 3)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run14\_ryff\_responses\_numbers.json [math]  
Subscale Item Response Standard Deviations:  
✓ Autonomy : 0.577 --- Scores: (4, 4, 4, 3, 4, 5, 4)  
✓ Environmental\_Mastery: 1.464 --- Scores: (3, 5, 5, 4, 4, 5, 1)  
■ Personal\_Growth : 2.149 --- Scores: (5, 7, 5, 1, 7, 3, 4)  
✓ Positive\_Relations : 1.988 --- Scores: (4, 7, 7, 7, 3, 7, 3)

✓ Purpose\_in\_Life : 1.528 --- Scores: (7, 4, 5, 5, 3, 4, 7)  
✓ Self\_Acceptance : 1.496 --- Scores: (3, 3, 5, 3, 7, 5, 4)  
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run15\_ryff\_responses\_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.951 --- Scores: (3, 3, 4, 3, 5, 5, 3)  
✓ Environmental\_Mastery: 0.690 --- Scores: (4, 5, 5, 4, 4, 4, 3)  
✓ Personal\_Growth : 1.397 --- Scores: (4, 7, 7, 4, 7, 5, 5)  
✓ Positive\_Relations : 1.704 --- Scores: (5, 7, 4, 7, 3, 7, 4)  
✓ Purpose\_in\_Life : 1.864 --- Scores: (7, 4, 3, 7, 3, 5, 7)  
✓ Self\_Acceptance : 1.528 --- Scores: (3, 7, 4, 3, 3, 5, 3)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run16\_ryff\_responses\_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.577 --- Scores: (5, 3, 4, 4, 4, 4, 4)  
✓ Environmental\_Mastery: 0.535 --- Scores: (5, 5, 4, 4, 5, 5, 4)  
✓ Personal\_Growth : 1.254 --- Scores: (5, 7, 7, 4, 7, 5, 5)  
✓ Positive\_Relations : 1.915 --- Scores: (4, 7, 3, 7, 3, 7, 4)  
■ Purpose\_in\_Life : 2.035 --- Scores: (7, 3, 3, 7, 3, 4, 7)  
✓ Self\_Acceptance : 0.900 --- Scores: (3, 3, 4, 4, 5, 5, 3)  
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run18\_ryff\_responses\_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.577 --- Scores: (4, 3, 4, 4, 5, 4, 4)  
✓ Environmental\_Mastery: 1.397 --- Scores: (3, 5, 7, 4, 5, 3, 5)  
✓ Personal\_Growth : 1.618 --- Scores: (5, 7, 7, 3, 7, 5, 4)  
✓ Positive\_Relations : 1.732 --- Scores: (4, 6, 5, 7, 3, 7, 3)  
✓ Purpose\_in\_Life : 1.345 --- Scores: (7, 4, 5, 5, 4, 4, 7)  
✓ Self\_Acceptance : 0.816 --- Scores: (4, 3, 3, 4, 5, 5, 4)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run19\_ryff\_responses\_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.816 --- Scores: (4, 3, 5, 4, 5, 4, 3)  
✓ Environmental\_Mastery: 0.690 --- Scores: (3, 4, 5, 5, 4, 4, 4)  
✓ Personal\_Growth : 1.704 --- Scores: (5, 7, 7, 3, 7, 4, 4)  
✓ Positive\_Relations : 1.464 --- Scores: (4, 6, 4, 7, 4, 7, 4)  
✓ Purpose\_in\_Life : 1.915 --- Scores: (7, 3, 3, 7, 4, 4, 7)  
✓ Self\_Acceptance : 1.345 --- Scores: (7, 4, 4, 3, 4, 4, 3)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run20\_ryff\_responses\_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.951 --- Scores: (3, 3, 5, 3, 5, 4, 3)  
✓ Environmental\_Mastery: 0.816 --- Scores: (3, 5, 5, 4, 4, 3, 4)  
✓ Personal\_Growth : 1.915 --- Scores: (4, 7, 7, 3, 7, 4, 3)  
✓ Positive\_Relations : 1.676 --- Scores: (4, 5, 5, 7, 3, 7, 3)  
✓ Purpose\_in\_Life : 1.397 --- Scores: (7, 3, 4, 5, 3, 4, 5)  
✓ Self\_Acceptance : 0.900 --- Scores: (3, 3, 5, 4, 5, 4, 3)  
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

#### OVERALL CONSISTENCY SUMMARY

Total valid files analyzed for consistency: 37

Breakdown by number of inconsistent scales per file:

- Files with exactly 1 inconsistent scale(s): 5

Rule: A file is 'Globally Inconsistent' if it has >2 inconsistent scales (i.e., fewer than 4 consistent scales).

Total files flagged as Globally Inconsistent: 0

Overall File Consistency Rate (files deemed 'Globally Consistent'): 100.0%

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=====
GROUP COMPARISON: BASELINE vs MATH
=====

METHODOLOGY EXPLANATION (GLOBAL RYFF TOTAL SCORE COMPARISON):
This analysis compares the **Global Ryff Total Scores** (sum of all valid reversed
items) between the selected groups.
Each AI response file yields one Global Ryff Total Score, ranging from 42 to 294 (42 to
294 for 1-7 Likert).

DESCRIPTIVE STATISTICS (Global Ryff Total Scores):
Group A (baseline): Mean = 210.000, n = 20, SD = 6.829
Group B (math): Mean = 194.412, n = 17, SD = 5.001
Absolute difference between means: 15.588

COMPARISON SCENARIO: MULTIPLE INSTANCES (Group A) vs. MULTIPLE INSTANCES (Group B)
This is ideal for comparing two different sets of non-deterministic AI runs (e.g.,
perturbation 1a vs perturbation 3).
**Statistical Test:** Welch's Independent Samples t-test (assumes unequal variances).
**Goal:** To determine if the mean Global Ryff Total Score of Group A significantly
differs from the mean of Group B.
**Formula (t-statistic):**  $t = (\text{Mean\_GroupA} - \text{Mean\_GroupB}) / \sqrt{(\text{Var\_GroupA}/n\_GroupA) + (\text{Var\_GroupB}/n\_GroupB)}$ 
**Null Hypothesis (H0):** Mean of Group A's Global Scores = Mean of Group B's Global
Scores.
**Alternative Hypothesis (H1):** Mean of Group A's Global Scores  $\neq$  Mean of Group B's
Global Scores.
**Cohen's d Formula (for Welch's):**  $d = |\text{Mean\_GroupA} - \text{Mean\_GroupB}| / \sqrt{(\text{SD\_GroupA}^2 + \text{SD\_GroupB}^2)/2}$ 

STATISTICAL TEST RESULTS (Global Ryff Total Scores):
Test Performed: Welch's Two-sample t-test
t-statistic: 7.994
Degrees of freedom (df): 34.3
p-value: 0.000
Effect size (Cohen's d): 2.605

INTERPRETATION (Global Ryff Total Scores):
■■■■ HIGHLY STATISTICALLY SIGNIFICANT difference (p < 0.001)
Very strong evidence that Global Ryff Total Scores differ between groups.
■■ LARGE PRACTICAL EFFECT SIZE (d ≥ 0.8)
The difference in Global Ryff Total Scores is substantial and practically meaningful.

OVERALL ASSESSMENT (Global Ryff Total Scores):
■ MEANINGFUL DIFFERENCE: Both statistically significant AND practically important.
The AI's overall well-being assessments are reliably and substantially different
between these conditions.

=====
INITIATING SUBSCALE LEVEL COMPARISON...
=====

SUBSCALE LEVEL COMPARISON:
-----

Subscale: Autonomy
Group A (baseline): Mean=4.314, SD=0.194 (n=20)
Group B (math): Mean=3.941, SD=0.134 (n=17)
Absolute difference: 0.373
Formula:  $t = (\text{Mean\_GroupA} - \text{Mean\_GroupB}) / \sqrt{(\text{Var\_GroupA}/n\_GroupA) + (\text{Var\_GroupB}/n\_GroupB)}$ 
Cohen's d Formula:  $d = |\text{Mean\_GroupA} - \text{Mean\_GroupB}| / \sqrt{(\text{SD\_GroupA}^2 + \text{SD\_GroupB}^2)/2}$ 
Statistical Test: Welch's Two-sample t-test
t-statistic: 6.870
Degrees of freedom: 33.7
p-value: 0.000
Effect size (Cohen's d): 2.233
■■ Statistically Significant Difference (p < 0.05)
■■ LARGE practical effect size (d ≥ 0.8)

Subscale: Environmental_Mastery
Group A (baseline): Mean=4.579, SD=0.188 (n=20)
Group B (math): Mean=4.126, SD=0.271 (n=17)
Absolute difference: 0.453

```



Formula:  $t = (\text{Mean\_GroupA} - \text{Mean\_GroupB}) / \sqrt{(\text{Var\_GroupA}/n_{\text{GroupA}} + \text{Var\_GroupB}/n_{\text{GroupB}})}$   
 Cohen's d Formula:  $d = |\text{Mean\_GroupA} - \text{Mean\_GroupB}| / \sqrt{(\text{SD\_GroupA}^2 + \text{SD\_GroupB}^2)/2}$   
 Statistical Test: Welch's Two-sample t-test  
 t-statistic: 5.792  
 Degrees of freedom: 27.8  
 p-value: 0.000  
 Effect size (Cohen's d): 1.938  
 ■■ Statistically Significant Difference ( $p < 0.05$ )  
 ■■ LARGE practical effect size ( $d \geq 0.8$ )

Subscale: Personal\_Growth  
 Group A (baseline): Mean=5.703, SD=0.229 (n=20)  
 Group B (math): Mean=5.546, SD=0.369 (n=17)  
 Absolute difference: 0.157  
 Formula:  $t = (\text{Mean\_GroupA} - \text{Mean\_GroupB}) / \sqrt{(\text{Var\_GroupA}/n_{\text{GroupA}} + \text{Var\_GroupB}/n_{\text{GroupB}})}$   
 Cohen's d Formula:  $d = |\text{Mean\_GroupA} - \text{Mean\_GroupB}| / \sqrt{(\text{SD\_GroupA}^2 + \text{SD\_GroupB}^2)/2}$   
 Statistical Test: Welch's Two-sample t-test  
 t-statistic: 1.521  
 Degrees of freedom: 25.9  
 p-value: 0.140  
 Effect size (Cohen's d): 0.511  
 ✓ No Statistically Significant Difference ( $p \geq 0.05$ )  
 ■■ MEDIUM practical effect size ( $d \geq 0.5$ )

Subscale: Positive\_Relations  
 Group A (baseline): Mean=5.650, SD=0.176 (n=20)  
 Group B (math): Mean=5.143, SD=0.175 (n=17)  
 Absolute difference: 0.507  
 Formula:  $t = (\text{Mean\_GroupA} - \text{Mean\_GroupB}) / \sqrt{(\text{Var\_GroupA}/n_{\text{GroupA}} + \text{Var\_GroupB}/n_{\text{GroupB}})}$   
 Cohen's d Formula:  $d = |\text{Mean\_GroupA} - \text{Mean\_GroupB}| / \sqrt{(\text{SD\_GroupA}^2 + \text{SD\_GroupB}^2)/2}$   
 Statistical Test: Welch's Two-sample t-test  
 t-statistic: 8.755  
 Degrees of freedom: 34.1  
 p-value: 0.000  
 Effect size (Cohen's d): 2.887  
 ■■ Statistically Significant Difference ( $p < 0.05$ )  
 ■■ LARGE practical effect size ( $d \geq 0.8$ )

Subscale: Purpose\_in\_Life  
 Group A (baseline): Mean=5.310, SD=0.344 (n=20)  
 Group B (math): Mean=4.916, SD=0.277 (n=17)  
 Absolute difference: 0.394  
 Formula:  $t = (\text{Mean\_GroupA} - \text{Mean\_GroupB}) / \sqrt{(\text{Var\_GroupA}/n_{\text{GroupA}} + \text{Var\_GroupB}/n_{\text{GroupB}})}$   
 Cohen's d Formula:  $d = |\text{Mean\_GroupA} - \text{Mean\_GroupB}| / \sqrt{(\text{SD\_GroupA}^2 + \text{SD\_GroupB}^2)/2}$   
 Statistical Test: Welch's Two-sample t-test  
 t-statistic: 3.852  
 Degrees of freedom: 34.9  
 p-value: 0.000  
 Effect size (Cohen's d): 1.260  
 ■■ Statistically Significant Difference ( $p < 0.05$ )  
 ■■ LARGE practical effect size ( $d \geq 0.8$ )

Subscale: Self\_Acceptance  
 Group A (baseline): Mean=5.014, SD=0.079 (n=20)  
 Group B (math): Mean=4.101, SD=0.302 (n=17)  
 Absolute difference: 0.913  
 Formula:  $t = (\text{Mean\_GroupA} - \text{Mean\_GroupB}) / \sqrt{(\text{Var\_GroupA}/n_{\text{GroupA}} + \text{Var\_GroupB}/n_{\text{GroupB}})}$   
 Cohen's d Formula:  $d = |\text{Mean\_GroupA} - \text{Mean\_GroupB}| / \sqrt{(\text{SD\_GroupA}^2 + \text{SD\_GroupB}^2)/2}$   
 Statistical Test: Welch's Two-sample t-test  
 t-statistic: 12.122  
 Degrees of freedom: 17.9  
 p-value: 0.000  
 Effect size (Cohen's d): 4.138  
 ■■ Statistically Significant Difference ( $p < 0.05$ )  
 ■■ LARGE practical effect size ( $d \geq 0.8$ )

■■ SUMMARY: SUBSCALES WITH STATISTICALLY SIGNIFICANT DIFFERENCES:  
 - Autonomy

- Environmental\_Mastery
- Positive\_Relations
- Purpose\_in\_Life
- Self\_Acceptance

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#### CROSS-FILE SIMILARITY ANALYSIS

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#### METHODOLOGY EXPLANATION:

This analysis examines the overall variability and similarity of Ryff scores across all valid loaded AI response files.  
It helps identify if AI responses, overall, tend to cluster closely or if there's significant dispersion, potentially indicating outliers or diverse AI 'behavior'.

#### STATISTICAL MEASURES USED:

1. **\*\*DESCRIPTIVE STATISTICS (Mean, Standard Deviation, Range):\*\***
  - Provide a basic summary of the central tendency and spread of Global Ryff Total Scores across all files.
2. **\*\*COEFFICIENT OF VARIATION (CV):\*\***
  - Formula:  $CV = (\text{Standard Deviation} / \text{Mean})$
  - Measures relative variability, expressing the standard deviation as a percentage of the mean.
  - Useful for comparing variability across measures with different scales or means.
3. **\*\*Z-SCORE OUTLIER DETECTION:\*\***
  - Formula:  $z = (\text{individual\_score} - \text{overall\_mean}) / \text{overall\_standard\_deviation}$
  - Identifies how many standard deviations an individual file's score is from the overall mean.

#### THRESHOLDS FOR CONCERN:

- **\*\*Overall CV < 0.10:\*\*** Indicates very low relative variability (extremely high similarity across files).
  - **\*\*Overall CV > 0.20:\*\*** Indicates moderately high relative variability (some dispersion across files).
  - **\*\*Overall CV > 0.30:\*\*** Indicates high relative variability (significant dispersion, potential inconsistency across files or diverse AI types).
  - **\*\*|z| > 2.0:\*\*** Indicates a potential outlier (score is more than 2 standard deviations from the mean).
  - **\*\*|z| > 3.0:\*\*** Indicates an extreme outlier (score is more than 3 standard deviations from the mean).
- 

#### OVERALL STATISTICS FOR GLOBAL RYFF TOTAL SCORES (37 valid scores):

Mean: 202.838  
Standard Deviation (SD): 9.887  
Range: 181.000 - 222.000  
Coefficient of Variation (CV): 0.049  
✓ Very Low relative variability (extremely high overall similarity across files).

#### SUBSCALE LEVEL SIMILARITY (Mean & SD of Subscale Averages across files):

Autonomy: Mean=4.143, SD=0.252, CV=0.061  
Environmental\_Mastery: Mean=4.371, SD=0.322, CV=0.074  
Personal\_Growth: Mean=5.631, SD=0.307, CV=0.055  
Positive\_Relations: Mean=5.417, SD=0.309, CV=0.057  
Purpose\_in\_Life: Mean=5.129, SD=0.369, CV=0.072  
Self\_Acceptance: Mean=4.595, SD=0.507, CV=0.110

Most variable subscale across files (highest CV): Self\_Acceptance (CV: 0.110)  
Least variable subscale across files (lowest CV): Personal\_Growth (CV: 0.055)

#### OUTLIER ANALYSIS (Based on Global Ryff Total Scores):

■ MODERATE OUTLIERS (|z-score| > 2.0) - Potentially atypical Global Scores:  
- Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run20\_ryff\_responses\_numbers.json [math]: z-score=-2.21

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#### CROSS-FILE SIMILARITY SUMMARY:

Total valid files analyzed: 37  
Overall Global Score consistency: VERY HIGH  
Total outliers detected: 1

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#### COMPREHENSIVE ERROR ANALYSIS

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#### METHODOLOGY EXPLANATION:

This analysis thoroughly examines data quality issues across all loaded files, regardless of whether they were marked 'valid' for score processing. It identifies and categorizes various types of invalid responses and provides an overall assessment of data quality.

#### ERROR CATEGORIES DETECTED:

1. **\*\*MISSING ITEMS:\*\*** Expected item numbers (1-42) were not found in the JSON file.
2. **\*\*NULL VALUES:\*\*** An item was present, but its value was explicitly null (e.g., '"1": null').
3. **\*\*MULTIPLE VALUES:\*\*** An item's value was a list, object, or other structure, indicating more than one response where a single value was expected (e.g., '"1": [5, 6]').
4. **\*\*OUT OF RANGE / NON-INTEGER VALUES:\*\*** The item's numeric value was outside the expected 1 to 7 Likert scale range, or it was a decimal number (e.g., 8, 0, 3.5).
5. **\*\*NON-NUMERIC VALUES:\*\*** The item's value could not be converted to a number (e.g., '"1": "abc"').

#### VALIDITY THRESHOLD RECAP:

- Files with 8 or more individual item errors are internally flagged as 'INVALID' and automatically excluded from scoring, consistency, and group comparison analyses.
- This threshold ensures that statistical analyses are performed only on datasets with a reasonable amount of complete and correctly formatted data.

#### ACCEPTABLE ITEM VALUES:

Only single integer values from 1 to 7 are considered valid responses for individual items.

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FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run8\_ryff\_responses\_numbers.json [baseline] - Status: VALID (3 errors)

Specific Invalid Entries in this file:

- Item 2: 500
- Item 17: 500
- Item 32: 500

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run1\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run3\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run4\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run6\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run7\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run9\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run11\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run12\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)  
Specific Invalid Entries in this file:  
- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run16\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)  
Specific Invalid Entries in this file:  
- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run17\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)  
Specific Invalid Entries in this file:  
- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run18\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)  
Specific Invalid Entries in this file:  
- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run19\_ryff\_responses\_numbers.json [baseline] - Status: VALID (1 errors)  
Specific Invalid Entries in this file:  
- Item 6: null

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run2\_ryff\_responses\_numbers.json [baseline] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run5\_ryff\_responses\_numbers.json [baseline] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run10\_ryff\_responses\_numbers.json [baseline] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run13\_ryff\_responses\_numbers.json [baseline] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run14\_ryff\_responses\_numbers.json [baseline] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run15\_ryff\_responses\_numbers.json [baseline] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline\_claude\_3\_7\_sonnet\_20250219\_t07\_run20\_ryff\_responses\_numbers.json [baseline] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run1\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run2\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run3\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run4\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run5\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run6\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run7\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run9\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run11\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run12\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run13\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run14\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run15\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run16\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run18\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run19\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet\_claude\_3\_7\_sonnet\_20250219\_t07\_variantB\_mathsymbols\_P1\_run20\_ryff\_responses\_numbers.json [math] - Status: VALID (0 errors)  
No specific invalid entries found in this file.

=====  
OVERALL ERROR ANALYSIS SUMMARY:  
Total files analyzed: 37  
Files marked as VALID: 37 (100.0%)  
Files marked as INVALID (excluded from analyses): 0 (0.0%)  
Total individual invalid entries found across all files: 15

Breakdown of Error Types (Total occurrences):  
- Null Values : 12 occurrences  
- Out of Range / Non-Integer : 3 occurrences

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DATA QUALITY ASSESSMENT:  
✓ EXCELLENT data quality (≥95% valid files).  
✓ Low overall error rate in item responses. Data quality is generally good, minor issues.  
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