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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.

✗ Hermes3.1nondet_hermes3_nondet_run7_numbers.json [baseline] - INVALID FILE (8 errors)
This file exceeded the validity threshold (≥ 8 errors) and will be excluded from further analyses.
Example invalid entries: Item 7: null, Item 10: null, Item 13: null, Item 18: null, Item 31: null...

✓ Hermes3.1nondet_hermes3_nondet_run17_numbers.json [baseline] - VALID FILE
Calculated Global Ryff Total Score: 154.000
Number of errors/invalid entries detected: 5
Subscale Sums:
Autonomy: 23.000
Environmental_Mastery: 25.000
Personal_Growth: 34.000
Positive_Relations: 23.000
Purpose_in_Life: 26.000
Self_Acceptance: 23.000
Subscale Averages:
Autonomy: 3.833
Environmental_Mastery: 4.167
Personal_Growth: 4.857
Positive_Relations: 4.600
Purpose_in_Life: 3.714
Self_Acceptance: 3.833

✓ Hermes3.1nondet_hermes3_nondet_run3_numbers.json [baseline] - VALID FILE
Calculated Global Ryff Total Score: 154.000
Number of errors/invalid entries detected: 4
Subscale Sums:
Autonomy: 24.000
Environmental_Mastery: 24.000
Personal_Growth: 30.000
Positive_Relations: 28.000
Purpose_in_Life: 26.000
Self_Acceptance: 22.000
Subscale Averages:

Autonomy: 3.429
Environmental_Mastery: 4.000
Personal_Growth: 4.286
Positive_Relations: 4.667
Purpose_in_Life: 4.333
Self_Acceptance: 3.667

✓ Hermes3.1nondet_hermes3_nondet_run6_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 154.000
Number of errors/invalid entries detected: 4
Subscale Sums:
Autonomy: 23.000
Environmental_Mastery: 27.000
Personal_Growth: 27.000
Positive_Relations: 25.000
Purpose_in_Life: 26.000
Self_Acceptance: 26.000
Subscale Averages:
Autonomy: 3.833
Environmental_Mastery: 4.500
Personal_Growth: 3.857
Positive_Relations: 4.167
Purpose_in_Life: 4.333
Self_Acceptance: 3.714

✓ Hermes3.1nondet_hermes3_nondet_run10_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 158.000
Number of errors/invalid entries detected: 4
Subscale Sums:
Autonomy: 31.000
Environmental_Mastery: 28.000
Personal_Growth: 30.000
Positive_Relations: 23.000
Purpose_in_Life: 26.000
Self_Acceptance: 20.000
Subscale Averages:
Autonomy: 4.429
Environmental_Mastery: 4.000
Personal_Growth: 4.286
Positive_Relations: 3.286
Purpose_in_Life: 5.200
Self_Acceptance: 4.000

✓ Hermes3.1nondet_hermes3_nondet_run11_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 154.000
Number of errors/invalid entries detected: 4
Subscale Sums:
Autonomy: 24.000
Environmental_Mastery: 26.000
Personal_Growth: 21.000
Positive_Relations: 20.000
Purpose_in_Life: 35.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.333
Personal_Growth: 3.500
Positive_Relations: 3.333
Purpose_in_Life: 5.000
Self_Acceptance: 4.000

✓ Hermes3.1nondet_hermes3_nondet_run12_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 159.000
Number of errors/invalid entries detected: 4
Subscale Sums:
Autonomy: 27.000
Environmental_Mastery: 27.000
Personal_Growth: 34.000
Positive_Relations: 18.000
Purpose_in_Life: 24.000
Self_Acceptance: 29.000
Subscale Averages:
Autonomy: 3.857

Environmental_Mastery: 3.857
Personal_Growth: 4.857
Positive_Relations: 4.500
Purpose_in_Life: 4.000
Self_Acceptance: 4.143

✓ Hermes3.1nondet_hermes3_nondet_run13_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 148.000
Number of errors/invalid entries detected: 4
Subscale Sums:
Autonomy: 19.000
Environmental_Mastery: 25.000
Personal_Growth: 31.000
Positive_Relations: 18.000
Purpose_in_Life: 27.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 3.167
Environmental_Mastery: 4.167
Personal_Growth: 4.429
Positive_Relations: 3.600
Purpose_in_Life: 3.857
Self_Acceptance: 4.000

✓ Hermes3.1nondet_hermes3_nondet_run15_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 151.000
Number of errors/invalid entries detected: 4
Subscale Sums:
Autonomy: 30.000
Environmental_Mastery: 27.000
Personal_Growth: 27.000
Positive_Relations: 17.000
Purpose_in_Life: 29.000
Self_Acceptance: 21.000
Subscale Averages:
Autonomy: 4.286
Environmental_Mastery: 3.857
Personal_Growth: 3.857
Positive_Relations: 3.400
Purpose_in_Life: 4.143
Self_Acceptance: 4.200

✓ Hermes3.1nondet_hermes3_nondet_run19_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 150.000
Number of errors/invalid entries detected: 4
Subscale Sums:
Autonomy: 20.000
Environmental_Mastery: 27.000
Personal_Growth: 26.000
Positive_Relations: 28.000
Purpose_in_Life: 28.000
Self_Acceptance: 21.000
Subscale Averages:
Autonomy: 3.333
Environmental_Mastery: 3.857
Personal_Growth: 4.333
Positive_Relations: 4.000
Purpose_in_Life: 4.667
Self_Acceptance: 3.500

✓ Hermes3.1nondet_hermes3_nondet_run1_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 156.000
Number of errors/invalid entries detected: 3
Subscale Sums:
Autonomy: 25.000
Environmental_Mastery: 24.000
Personal_Growth: 27.000
Positive_Relations: 23.000
Purpose_in_Life: 30.000
Self_Acceptance: 27.000
Subscale Averages:
Autonomy: 3.571
Environmental_Mastery: 4.000

Personal_Growth: 4.500
Positive_Relations: 3.833
Purpose_in_Life: 4.286
Self_Acceptance: 3.857

✓ Hermes3.1nondet_hermes3_nondet_run8_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 160.000
Number of errors/invalid entries detected: 2
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 29.000
Personal_Growth: 29.000
Positive_Relations: 27.000
Purpose_in_Life: 28.000
Self_Acceptance: 19.000

Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.143
Personal_Growth: 4.143
Positive_Relations: 3.857
Purpose_in_Life: 4.000
Self_Acceptance: 3.800

✓ Hermes3.1nondet_hermes3_nondet_run9_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 167.000
Number of errors/invalid entries detected: 2
Subscale Sums:
Autonomy: 20.000
Environmental_Mastery: 28.000
Personal_Growth: 36.000
Positive_Relations: 27.000
Purpose_in_Life: 32.000
Self_Acceptance: 24.000

Subscale Averages:
Autonomy: 3.333
Environmental_Mastery: 4.000
Personal_Growth: 5.143
Positive_Relations: 3.857
Purpose_in_Life: 4.571
Self_Acceptance: 4.000

✓ Hermes3.1nondet_hermes3_nondet_run18_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 167.000
Number of errors/invalid entries detected: 2
Subscale Sums:
Autonomy: 31.000
Environmental_Mastery: 24.000
Personal_Growth: 28.000
Positive_Relations: 25.000
Purpose_in_Life: 35.000
Self_Acceptance: 24.000

Subscale Averages:
Autonomy: 4.429
Environmental_Mastery: 4.000
Personal_Growth: 4.000
Positive_Relations: 3.571
Purpose_in_Life: 5.000
Self_Acceptance: 4.000

✓ Hermes3.1nondet_hermes3_nondet_run2_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 168.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 27.000
Personal_Growth: 31.000
Positive_Relations: 29.000
Purpose_in_Life: 26.000
Self_Acceptance: 27.000

Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 3.857
Personal_Growth: 4.429

Positive_Relations: 4.143
Purpose_in_Life: 4.333
Self_Acceptance: 3.857

✓ Hermes3.1nondet_hermes3_nondet_run5_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 168.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 25.000
Environmental_Mastery: 23.000
Personal_Growth: 28.000
Positive_Relations: 31.000
Purpose_in_Life: 31.000
Self_Acceptance: 30.000
Subscale Averages:
Autonomy: 3.571
Environmental_Mastery: 3.833
Personal_Growth: 4.000
Positive_Relations: 4.429
Purpose_in_Life: 4.429
Self_Acceptance: 4.286

✓ Hermes3.1nondet_hermes3_nondet_run14_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 171.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 24.000
Environmental_Mastery: 29.000
Personal_Growth: 30.000
Positive_Relations: 27.000
Purpose_in_Life: 32.000
Self_Acceptance: 29.000
Subscale Averages:
Autonomy: 3.429
Environmental_Mastery: 4.143
Personal_Growth: 4.286
Positive_Relations: 4.500
Purpose_in_Life: 4.571
Self_Acceptance: 4.143

✓ Hermes3.1nondet_hermes3_nondet_run20_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 170.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 26.000
Environmental_Mastery: 24.000
Personal_Growth: 28.000
Positive_Relations: 36.000
Purpose_in_Life: 26.000
Self_Acceptance: 30.000
Subscale Averages:
Autonomy: 3.714
Environmental_Mastery: 4.000
Personal_Growth: 4.000
Positive_Relations: 5.143
Purpose_in_Life: 3.714
Self_Acceptance: 4.286

✓ Hermes3.1nondet_hermes3_nondet_run4_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 160.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 22.000
Environmental_Mastery: 30.000
Personal_Growth: 26.000
Positive_Relations: 27.000
Purpose_in_Life: 29.000
Self_Acceptance: 26.000
Subscale Averages:
Autonomy: 3.143
Environmental_Mastery: 4.286
Personal_Growth: 3.714
Positive_Relations: 3.857

Purpose_in_Life: 4.143
Self_Acceptance: 3.714

✓ Hermes3.1nondet_hermes3_nondet_run16_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 184.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 26.000
Environmental_Mastery: 31.000
Personal_Growth: 37.000
Positive_Relations: 34.000
Purpose_in_Life: 30.000
Self_Acceptance: 26.000
Subscale Averages:
Autonomy: 3.714
Environmental_Mastery: 4.429
Personal_Growth: 5.286
Positive_Relations: 4.857
Purpose_in_Life: 4.286
Self_Acceptance: 3.714

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run15_numbers.json [math] - VALID FILE

Calculated Global Ryff Total Score: 161.000
Number of errors/invalid entries detected: 2
Subscale Sums:
Autonomy: 26.000
Environmental_Mastery: 26.000
Personal_Growth: 30.000
Positive_Relations: 31.000
Purpose_in_Life: 25.000
Self_Acceptance: 23.000
Subscale Averages:
Autonomy: 3.714
Environmental_Mastery: 4.333
Personal_Growth: 4.286
Positive_Relations: 4.429
Purpose_in_Life: 4.167
Self_Acceptance: 3.286

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run01_numbers.json [math] - VALID FILE

Calculated Global Ryff Total Score: 175.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 23.000
Environmental_Mastery: 29.000
Personal_Growth: 35.000
Positive_Relations: 33.000
Purpose_in_Life: 33.000
Self_Acceptance: 22.000
Subscale Averages:
Autonomy: 3.286
Environmental_Mastery: 4.143
Personal_Growth: 5.000
Positive_Relations: 4.714
Purpose_in_Life: 4.714
Self_Acceptance: 3.667

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run02_numbers.json [math] - VALID FILE

Calculated Global Ryff Total Score: 167.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 27.000
Environmental_Mastery: 27.000
Personal_Growth: 27.000
Positive_Relations: 25.000
Purpose_in_Life: 32.000
Self_Acceptance: 29.000
Subscale Averages:
Autonomy: 3.857
Environmental_Mastery: 3.857

Personal_Growth: 4.500
Positive_Relations: 3.571
Purpose_in_Life: 4.571
Self_Acceptance: 4.143

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run04_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 173.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 24.000
Environmental_Mastery: 30.000
Personal_Growth: 30.000
Positive_Relations: 35.000
Purpose_in_Life: 28.000
Self_Acceptance: 26.000
Subscale Averages:
Autonomy: 3.429
Environmental_Mastery: 4.286
Personal_Growth: 5.000
Positive_Relations: 5.000
Purpose_in_Life: 4.000
Self_Acceptance: 3.714

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run05_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 160.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 30.000
Environmental_Mastery: 25.000
Personal_Growth: 27.000
Positive_Relations: 27.000
Purpose_in_Life: 20.000
Self_Acceptance: 31.000
Subscale Averages:
Autonomy: 4.286
Environmental_Mastery: 3.571
Personal_Growth: 3.857
Positive_Relations: 3.857
Purpose_in_Life: 3.333
Self_Acceptance: 4.429

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run06_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 169.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 24.000
Environmental_Mastery: 28.000
Personal_Growth: 24.000
Positive_Relations: 30.000
Purpose_in_Life: 34.000
Self_Acceptance: 29.000
Subscale Averages:
Autonomy: 3.429
Environmental_Mastery: 4.000
Personal_Growth: 4.000
Positive_Relations: 4.286
Purpose_in_Life: 4.857
Self_Acceptance: 4.143

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run09_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 181.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 27.000
Environmental_Mastery: 27.000
Personal_Growth: 38.000
Positive_Relations: 35.000
Purpose_in_Life: 32.000
Self_Acceptance: 22.000

Subscale Averages:

Autonomy: 3.857
Environmental_Mastery: 3.857
Personal_Growth: 5.429
Positive_Relations: 5.000
Purpose_in_Life: 4.571
Self_Acceptance: 3.667

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run12_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 171.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 25.000
Environmental_Mastery: 21.000
Personal_Growth: 32.000
Positive_Relations: 33.000
Purpose_in_Life: 32.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 3.571
Environmental_Mastery: 3.500
Personal_Growth: 4.571
Positive_Relations: 4.714
Purpose_in_Life: 4.571
Self_Acceptance: 4.000

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run17_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 177.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 21.000
Personal_Growth: 28.000
Positive_Relations: 32.000
Purpose_in_Life: 36.000
Self_Acceptance: 32.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 3.500
Personal_Growth: 4.000
Positive_Relations: 4.571
Purpose_in_Life: 5.143
Self_Acceptance: 4.571

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run19_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 159.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 22.000
Environmental_Mastery: 25.000
Personal_Growth: 31.000
Positive_Relations: 25.000
Purpose_in_Life: 27.000
Self_Acceptance: 29.000
Subscale Averages:
Autonomy: 3.143
Environmental_Mastery: 3.571
Personal_Growth: 4.429
Positive_Relations: 4.167
Purpose_in_Life: 3.857
Self_Acceptance: 4.143

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run03_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 180.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 23.000
Environmental_Mastery: 33.000
Personal_Growth: 31.000

Positive_Relations: 32.000
Purpose_in_Life: 31.000
Self_Acceptance: 30.000
Subscale Averages:
Autonomy: 3.286
Environmental_Mastery: 4.714
Personal_Growth: 4.429
Positive_Relations: 4.571
Purpose_in_Life: 4.429
Self_Acceptance: 4.286

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run07_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 183.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 29.000
Environmental_Mastery: 27.000
Personal_Growth: 33.000
Positive_Relations: 33.000
Purpose_in_Life: 34.000
Self_Acceptance: 27.000
Subscale Averages:
Autonomy: 4.143
Environmental_Mastery: 3.857
Personal_Growth: 4.714
Positive_Relations: 4.714
Purpose_in_Life: 4.857
Self_Acceptance: 3.857

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run08_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 177.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 29.000
Environmental_Mastery: 23.000
Personal_Growth: 34.000
Positive_Relations: 31.000
Purpose_in_Life: 36.000
Self_Acceptance: 24.000
Subscale Averages:
Autonomy: 4.143
Environmental_Mastery: 3.286
Personal_Growth: 4.857
Positive_Relations: 4.429
Purpose_in_Life: 5.143
Self_Acceptance: 3.429

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run10_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 185.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 24.000
Environmental_Mastery: 29.000
Personal_Growth: 38.000
Positive_Relations: 38.000
Purpose_in_Life: 27.000
Self_Acceptance: 29.000
Subscale Averages:
Autonomy: 3.429
Environmental_Mastery: 4.143
Personal_Growth: 5.429
Positive_Relations: 5.429
Purpose_in_Life: 3.857
Self_Acceptance: 4.143

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run11_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 171.000
Number of errors/invalid entries detected: 0
Subscale Sums:

Autonomy: 26.000
Environmental_Mastery: 27.000
Personal_Growth: 29.000
Positive_Relations: 30.000
Purpose_in_Life: 33.000
Self_Acceptance: 26.000
Subscale Averages:
Autonomy: 3.714
Environmental_Mastery: 3.857
Personal_Growth: 4.143
Positive_Relations: 4.286
Purpose_in_Life: 4.714
Self_Acceptance: 3.714

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run13_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 175.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 21.000
Environmental_Mastery: 32.000
Personal_Growth: 37.000
Positive_Relations: 29.000
Purpose_in_Life: 25.000
Self_Acceptance: 31.000
Subscale Averages:
Autonomy: 3.000
Environmental_Mastery: 4.571
Personal_Growth: 5.286
Positive_Relations: 4.143
Purpose_in_Life: 3.571
Self_Acceptance: 4.429

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run14_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 176.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 30.000
Environmental_Mastery: 24.000
Personal_Growth: 32.000
Positive_Relations: 28.000
Purpose_in_Life: 31.000
Self_Acceptance: 31.000
Subscale Averages:
Autonomy: 4.286
Environmental_Mastery: 3.429
Personal_Growth: 4.571
Positive_Relations: 4.000
Purpose_in_Life: 4.429
Self_Acceptance: 4.429

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run16_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 181.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 29.000
Environmental_Mastery: 23.000
Personal_Growth: 34.000
Positive_Relations: 32.000
Purpose_in_Life: 30.000
Self_Acceptance: 33.000
Subscale Averages:
Autonomy: 4.143
Environmental_Mastery: 3.286
Personal_Growth: 4.857
Positive_Relations: 4.571
Purpose_in_Life: 4.286
Self_Acceptance: 4.714

✓ hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run18_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 163.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 30.000
Environmental_Mastery: 30.000
Personal_Growth: 24.000
Positive_Relations: 33.000
Purpose_in_Life: 24.000
Self_Acceptance: 22.000
Subscale Averages:
Autonomy: 4.286
Environmental_Mastery: 4.286
Personal_Growth: 3.429
Positive_Relations: 4.714
Purpose_in_Life: 3.429
Self_Acceptance: 3.143

✓ hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run20_numbers.json [math] - VALID
FILE

Calculated Global Ryff Total Score: 183.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 34.000
Environmental_Mastery: 28.000
Personal_Growth: 27.000
Positive_Relations: 31.000
Purpose_in_Life: 30.000
Self_Acceptance: 33.000
Subscale Averages:
Autonomy: 4.857
Environmental_Mastery: 4.000
Personal_Growth: 3.857
Positive_Relations: 4.429
Purpose_in_Life: 4.286
Self_Acceptance: 4.714

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

=====

Filename	Label	Total Score
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Hermes3.lnondet_hermes3_nondet_run17_numbers.json	baseline	154.000
Hermes3.lnondet_hermes3_nondet_run3_numbers.json	baseline	154.000
Hermes3.lnondet_hermes3_nondet_run6_numbers.json	baseline	154.000
Hermes3.lnondet_hermes3_nondet_run10_numbers.json	baseline	158.000
Hermes3.lnondet_hermes3_nondet_run11_numbers.json	baseline	154.000
Hermes3.lnondet_hermes3_nondet_run12_numbers.json	baseline	159.000
Hermes3.lnondet_hermes3_nondet_run13_numbers.json	baseline	148.000
Hermes3.lnondet_hermes3_nondet_run15_numbers.json	baseline	151.000
Hermes3.lnondet_hermes3_nondet_run19_numbers.json	baseline	150.000
Hermes3.lnondet_hermes3_nondet_run1_numbers.json	baseline	156.000
Hermes3.lnondet_hermes3_nondet_run8_numbers.json	baseline	160.000
Hermes3.lnondet_hermes3_nondet_run9_numbers.json	baseline	167.000
Hermes3.lnondet_hermes3_nondet_run18_numbers.json	baseline	167.000
Hermes3.lnondet_hermes3_nondet_run2_numbers.json	baseline	168.000
Hermes3.lnondet_hermes3_nondet_run5_numbers.json	baseline	168.000
Hermes3.lnondet_hermes3_nondet_run14_numbers.json	baseline	171.000
Hermes3.lnondet_hermes3_nondet_run20_numbers.json	baseline	170.000
Hermes3.lnondet_hermes3_nondet_run4_numbers.json	baseline	160.000
Hermes3.lnondet_hermes3_nondet_run16_numbers.json	baseline	184.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run15_numbers.json	math	161.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run01_numbers.json	math	175.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run02_numbers.json	math	167.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run04_numbers.json	math	173.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run05_numbers.json	math	160.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run06_numbers.json	math	169.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run09_numbers.json	math	181.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run12_numbers.json	math	171.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run17_numbers.json	math	177.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run19_numbers.json	math	159.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run03_numbers.json	math	180.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run07_numbers.json	math	183.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run08_numbers.json	math	177.000

```

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run10_numbers.json math 185.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run11_numbers.json math 171.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run13_numbers.json math 175.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run14_numbers.json math 176.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run16_numbers.json math 181.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run18_numbers.json math 163.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run20_numbers.json math 183.000

```

SUBSCALE SUMS TABLE:

```

=====
=====
Filename Label Autonomy Environm Personal Positive Purpose_ Self_Acc
-----
Hermes3.lnondet_hermes3_nondet_run17_numbers.json baseline 23.000 25.000 34.000 23.000
26.000 23.000
Hermes3.lnondet_hermes3_nondet_run3_numbers.json baseline 24.000 24.000 30.000 28.000
26.000 22.000
Hermes3.lnondet_hermes3_nondet_run6_numbers.json baseline 23.000 27.000 27.000 25.000
26.000 26.000
Hermes3.lnondet_hermes3_nondet_run10_numbers.json baseline 31.000 28.000 30.000 23.000
26.000 20.000
Hermes3.lnondet_hermes3_nondet_run11_numbers.json baseline 24.000 26.000 21.000 20.000
35.000 28.000
Hermes3.lnondet_hermes3_nondet_run12_numbers.json baseline 27.000 27.000 34.000 18.000
24.000 29.000
Hermes3.lnondet_hermes3_nondet_run13_numbers.json baseline 19.000 25.000 31.000 18.000
27.000 28.000
Hermes3.lnondet_hermes3_nondet_run15_numbers.json baseline 30.000 27.000 27.000 17.000
29.000 21.000
Hermes3.lnondet_hermes3_nondet_run19_numbers.json baseline 20.000 27.000 26.000 28.000
28.000 21.000
Hermes3.lnondet_hermes3_nondet_run1_numbers.json baseline 25.000 24.000 27.000 23.000
30.000 27.000
Hermes3.lnondet_hermes3_nondet_run8_numbers.json baseline 28.000 29.000 29.000 27.000
28.000 19.000
Hermes3.lnondet_hermes3_nondet_run9_numbers.json baseline 20.000 28.000 36.000 27.000
32.000 24.000
Hermes3.lnondet_hermes3_nondet_run18_numbers.json baseline 31.000 24.000 28.000 25.000
35.000 24.000
Hermes3.lnondet_hermes3_nondet_run2_numbers.json baseline 28.000 27.000 31.000 29.000
26.000 27.000
Hermes3.lnondet_hermes3_nondet_run5_numbers.json baseline 25.000 23.000 28.000 31.000
31.000 30.000
Hermes3.lnondet_hermes3_nondet_run14_numbers.json baseline 24.000 29.000 30.000 27.000
32.000 29.000
Hermes3.lnondet_hermes3_nondet_run20_numbers.json baseline 26.000 24.000 28.000 36.000
26.000 30.000
Hermes3.lnondet_hermes3_nondet_run4_numbers.json baseline 22.000 30.000 26.000 27.000
29.000 26.000
Hermes3.lnondet_hermes3_nondet_run16_numbers.json baseline 26.000 31.000 37.000 34.000
30.000 26.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run15_numbers.json math 26.000 26.000
30.000 31.000 25.000 23.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run01_numbers.json math 23.000 29.000
35.000 33.000 33.000 22.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run02_numbers.json math 27.000 27.000
27.000 25.000 32.000 29.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run04_numbers.json math 24.000 30.000
30.000 35.000 28.000 26.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run05_numbers.json math 30.000 25.000
27.000 27.000 20.000 31.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run06_numbers.json math 24.000 28.000
24.000 30.000 34.000 29.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run09_numbers.json math 27.000 27.000
38.000 35.000 32.000 22.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run12_numbers.json math 25.000 21.000
32.000 33.000 32.000 28.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run17_numbers.json math 28.000 21.000
28.000 32.000 36.000 32.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run19_numbers.json math 22.000 25.000
31.000 25.000 27.000 29.000

```

```

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run03_numbers.json math 23.000 33.000
31.000 32.000 31.000 30.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run07_numbers.json math 29.000 27.000
33.000 33.000 34.000 27.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run08_numbers.json math 29.000 23.000
34.000 31.000 36.000 24.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run10_numbers.json math 24.000 29.000
38.000 38.000 27.000 29.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run11_numbers.json math 26.000 27.000
29.000 30.000 33.000 26.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run13_numbers.json math 21.000 32.000
37.000 29.000 25.000 31.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run14_numbers.json math 30.000 24.000
32.000 28.000 31.000 31.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run16_numbers.json math 29.000 23.000
34.000 32.000 30.000 33.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run18_numbers.json math 30.000 30.000
24.000 33.000 24.000 22.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run20_numbers.json math 34.000 28.000
27.000 31.000 30.000 33.000

```

SUBSCALE AVERAGES TABLE:

```

=====
=====
Filename Label Autonomy Environm Personal Positive Purpose_ Self_Acc
-----
Hermes3.lnondet_hermes3_nondet_run17_numbers.json baseline 3.833 4.167 4.857 4.600
3.714 3.833
Hermes3.lnondet_hermes3_nondet_run3_numbers.json baseline 3.429 4.000 4.286 4.667 4.333
3.667
Hermes3.lnondet_hermes3_nondet_run6_numbers.json baseline 3.833 4.500 3.857 4.167 4.333
3.714
Hermes3.lnondet_hermes3_nondet_run10_numbers.json baseline 4.429 4.000 4.286 3.286
5.200 4.000
Hermes3.lnondet_hermes3_nondet_run11_numbers.json baseline 4.000 4.333 3.500 3.333
5.000 4.000
Hermes3.lnondet_hermes3_nondet_run12_numbers.json baseline 3.857 3.857 4.857 4.500
4.000 4.143
Hermes3.lnondet_hermes3_nondet_run13_numbers.json baseline 3.167 4.167 4.429 3.600
3.857 4.000
Hermes3.lnondet_hermes3_nondet_run15_numbers.json baseline 4.286 3.857 3.857 3.400
4.143 4.200
Hermes3.lnondet_hermes3_nondet_run19_numbers.json baseline 3.333 3.857 4.333 4.000
4.667 3.500
Hermes3.lnondet_hermes3_nondet_run1_numbers.json baseline 3.571 4.000 4.500 3.833 4.286
3.857
Hermes3.lnondet_hermes3_nondet_run8_numbers.json baseline 4.000 4.143 4.143 3.857 4.000
3.800
Hermes3.lnondet_hermes3_nondet_run9_numbers.json baseline 3.333 4.000 5.143 3.857 4.571
4.000
Hermes3.lnondet_hermes3_nondet_run18_numbers.json baseline 4.429 4.000 4.000 3.571
5.000 4.000
Hermes3.lnondet_hermes3_nondet_run2_numbers.json baseline 4.000 3.857 4.429 4.143 4.333
3.857
Hermes3.lnondet_hermes3_nondet_run5_numbers.json baseline 3.571 3.833 4.000 4.429 4.429
4.286
Hermes3.lnondet_hermes3_nondet_run14_numbers.json baseline 3.429 4.143 4.286 4.500
4.571 4.143
Hermes3.lnondet_hermes3_nondet_run20_numbers.json baseline 3.714 4.000 4.000 5.143
3.714 4.286
Hermes3.lnondet_hermes3_nondet_run4_numbers.json baseline 3.143 4.286 3.714 3.857 4.143
3.714
Hermes3.lnondet_hermes3_nondet_run16_numbers.json baseline 3.714 4.429 5.286 4.857
4.286 3.714
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run15_numbers.json math 3.714 4.333
4.286 4.429 4.167 3.286
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run01_numbers.json math 3.286 4.143
5.000 4.714 4.714 3.667
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run02_numbers.json math 3.857 3.857
4.500 3.571 4.571 4.143

```

```

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run04_numbers.json math 3.429 4.286
5.000 5.000 4.000 3.714
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run05_numbers.json math 4.286 3.571
3.857 3.857 3.333 4.429
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run06_numbers.json math 3.429 4.000
4.000 4.286 4.857 4.143
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run09_numbers.json math 3.857 3.857
5.429 5.000 4.571 3.667
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run12_numbers.json math 3.571 3.500
4.571 4.714 4.571 4.000
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run17_numbers.json math 4.000 3.500
4.000 4.571 5.143 4.571
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run19_numbers.json math 3.143 3.571
4.429 4.167 3.857 4.143
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run03_numbers.json math 3.286 4.714
4.429 4.571 4.429 4.286
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run07_numbers.json math 4.143 3.857
4.714 4.714 4.857 3.857
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run08_numbers.json math 4.143 3.286
4.857 4.429 5.143 3.429
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run10_numbers.json math 3.429 4.143
5.429 5.429 3.857 4.143
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run11_numbers.json math 3.714 3.857
4.143 4.286 4.714 3.714
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run13_numbers.json math 3.000 4.571
5.286 4.143 3.571 4.429
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run14_numbers.json math 4.286 3.429
4.571 4.000 4.429 4.429
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run16_numbers.json math 4.143 3.286
4.857 4.571 4.286 4.714
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run18_numbers.json math 4.286 4.286
3.429 4.714 3.429 3.143
hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run20_numbers.json math 4.857 4.000
3.857 4.429 4.286 4.714

```

SUBSCALE EXTREMES ANALYSIS (Based on Subscale Averages):

INDIVIDUAL FILE ANALYSIS:

```

Hermes3.lnondet_hermes3_nondet_run17_numbers.json [baseline]:
Highest: Personal_Growth (4.857)
Lowest: Purpose_in_Life (3.714)
Range: 1.143

```

```

Hermes3.lnondet_hermes3_nondet_run3_numbers.json [baseline]:
Highest: Positive_Relations (4.667)
Lowest: Autonomy (3.429)
Range: 1.238

```

```

Hermes3.lnondet_hermes3_nondet_run6_numbers.json [baseline]:
Highest: Environmental_Mastery (4.500)
Lowest: Self_Acceptance (3.714)
Range: 0.786

```

```

Hermes3.lnondet_hermes3_nondet_run10_numbers.json [baseline]:
Highest: Purpose_in_Life (5.200)
Lowest: Positive_Relations (3.286)
Range: 1.914

```

```

Hermes3.lnondet_hermes3_nondet_run11_numbers.json [baseline]:
Highest: Purpose_in_Life (5.000)
Lowest: Positive_Relations (3.333)
Range: 1.667

```

```

Hermes3.lnondet_hermes3_nondet_run12_numbers.json [baseline]:
Highest: Personal_Growth (4.857)
Lowest: Autonomy (3.857)
Range: 1.000

```

```

Hermes3.lnondet_hermes3_nondet_run13_numbers.json [baseline]:
Highest: Personal_Growth (4.429)
Lowest: Autonomy (3.167)

```

Range: 1.262

Hermes3.1nondet_hermes3_nondet_run15_numbers.json [baseline]:
Highest: Autonomy (4.286)
Lowest: Positive_Relations (3.400)
Range: 0.886

Hermes3.1nondet_hermes3_nondet_run19_numbers.json [baseline]:
Highest: Purpose_in_Life (4.667)
Lowest: Autonomy (3.333)
Range: 1.333

Hermes3.1nondet_hermes3_nondet_run1_numbers.json [baseline]:
Highest: Personal_Growth (4.500)
Lowest: Autonomy (3.571)
Range: 0.929

Hermes3.1nondet_hermes3_nondet_run8_numbers.json [baseline]:
Highest: Environmental_Mastery (4.143)
Lowest: Self_Acceptance (3.800)
Range: 0.343

Hermes3.1nondet_hermes3_nondet_run9_numbers.json [baseline]:
Highest: Personal_Growth (5.143)
Lowest: Autonomy (3.333)
Range: 1.810

Hermes3.1nondet_hermes3_nondet_run18_numbers.json [baseline]:
Highest: Purpose_in_Life (5.000)
Lowest: Positive_Relations (3.571)
Range: 1.429

Hermes3.1nondet_hermes3_nondet_run2_numbers.json [baseline]:
Highest: Personal_Growth (4.429)
Lowest: Environmental_Mastery (3.857)
Range: 0.571

Hermes3.1nondet_hermes3_nondet_run5_numbers.json [baseline]:
Highest: Positive_Relations (4.429)
Lowest: Autonomy (3.571)
Range: 0.857

Hermes3.1nondet_hermes3_nondet_run14_numbers.json [baseline]:
Highest: Purpose_in_Life (4.571)
Lowest: Autonomy (3.429)
Range: 1.143

Hermes3.1nondet_hermes3_nondet_run20_numbers.json [baseline]:
Highest: Positive_Relations (5.143)
Lowest: Autonomy (3.714)
Range: 1.429

Hermes3.1nondet_hermes3_nondet_run4_numbers.json [baseline]:
Highest: Environmental_Mastery (4.286)
Lowest: Autonomy (3.143)
Range: 1.143

Hermes3.1nondet_hermes3_nondet_run16_numbers.json [baseline]:
Highest: Personal_Growth (5.286)
Lowest: Autonomy (3.714)
Range: 1.571

hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run15_numbers.json [math]:
Highest: Positive_Relations (4.429)
Lowest: Self_Acceptance (3.286)
Range: 1.143

hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run01_numbers.json [math]:
Highest: Personal_Growth (5.000)
Lowest: Autonomy (3.286)
Range: 1.714

hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run02_numbers.json [math]:
Highest: Purpose_in_Life (4.571)
Lowest: Positive_Relations (3.571)

Range: 1.000

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run04_numbers.json [math]:
Highest: Personal_Growth (5.000)
Lowest: Autonomy (3.429)
Range: 1.571

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run05_numbers.json [math]:
Highest: Self_Acceptance (4.429)
Lowest: Purpose_in_Life (3.333)
Range: 1.095

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run06_numbers.json [math]:
Highest: Purpose_in_Life (4.857)
Lowest: Autonomy (3.429)
Range: 1.429

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run09_numbers.json [math]:
Highest: Personal_Growth (5.429)
Lowest: Self_Acceptance (3.667)
Range: 1.762

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run12_numbers.json [math]:
Highest: Positive_Relations (4.714)
Lowest: Environmental_Mastery (3.500)
Range: 1.214

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run17_numbers.json [math]:
Highest: Purpose_in_Life (5.143)
Lowest: Environmental_Mastery (3.500)
Range: 1.643

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run19_numbers.json [math]:
Highest: Personal_Growth (4.429)
Lowest: Autonomy (3.143)
Range: 1.286

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run03_numbers.json [math]:
Highest: Environmental_Mastery (4.714)
Lowest: Autonomy (3.286)
Range: 1.429

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run07_numbers.json [math]:
Highest: Purpose_in_Life (4.857)
Lowest: Environmental_Mastery (3.857)
Range: 1.000

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run08_numbers.json [math]:
Highest: Purpose_in_Life (5.143)
Lowest: Environmental_Mastery (3.286)
Range: 1.857

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run10_numbers.json [math]:
Highest: Personal_Growth (5.429)
Lowest: Autonomy (3.429)
Range: 2.000

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run11_numbers.json [math]:
Highest: Purpose_in_Life (4.714)
Lowest: Autonomy (3.714)
Range: 1.000

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run13_numbers.json [math]:
Highest: Personal_Growth (5.286)
Lowest: Autonomy (3.000)
Range: 2.286

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run14_numbers.json [math]:
Highest: Personal_Growth (4.571)
Lowest: Environmental_Mastery (3.429)
Range: 1.143

hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run16_numbers.json [math]:
Highest: Personal_Growth (4.857)
Lowest: Environmental_Mastery (3.286)

Range: 1.571

hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run18_numbers.json [math]:
Highest: Positive_Relations (4.714)
Lowest: Self_Acceptance (3.143)
Range: 1.571

hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run20_numbers.json [math]:
Highest: Autonomy (4.857)
Lowest: Personal_Growth (3.857)
Range: 1.000

OVERALL ANALYSIS ACROSS ALL FILES:

Average subscale scores across 39 files:

Personal_Growth : 4.421
Purpose_in_Life : 4.343
Positive_Relations : 4.287
Environmental_Mastery: 3.987
Self_Acceptance : 3.983
Autonomy : 3.767

OVERALL EXTREMES:

Highest scoring subscale: Personal_Growth (4.421)
Lowest scoring subscale: Autonomy (3.767)
Overall range: 0.653

PROCESSING SUMMARY:

=====
Total files attempted: 40
Valid files for analysis: 39
Invalid files (excluded): 1
Success rate: 97.5%
=====

INTERNAL CONSISTENCY (WITHIN SUBSCALE) ANALYSIS

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).

Hermes3.1nondet_hermes3_nondet_run7_numbers.json [baseline]: SKIPPED (marked as INVALID in processing stage).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run17_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.722 --- Scores: (4, 3, 4, 2, 7, 3)
- ✓ Environmental_Mastery: 0.408 --- Scores: (4, 4, 5, 4, 4, 4)
- ✓ Personal_Growth : 1.069 --- Scores: (6, 4, 6, 4, 6, 4, 4)
- ✓ Positive_Relations : 1.949 --- Scores: (4, 6, 2, 7, 4)
- ✓ Purpose_in_Life : 0.756 --- Scores: (4, 4, 2, 4, 4, 4, 4)
- ✓ Self_Acceptance : 0.753 --- Scores: (4, 5, 3, 4, 4, 3)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run3_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.535 --- Scores: (3, 4, 4, 3, 4, 3, 3)
- ✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- Personal_Growth : 2.138 --- Scores: (1, 5, 7, 4, 2, 6, 5)
- ✓ Positive_Relations : 1.366 --- Scores: (4, 7, 5, 4, 5, 3)
- ✓ Purpose_in_Life : 0.816 --- Scores: (5, 4, 4, 5, 3, 5)

✓ Self_Acceptance : 0.516 --- Scores: (3, 4, 4, 4, 4, 3)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run6_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.983 --- Scores: (2, 4, 4, 5, 4, 4)
✓ Environmental_Mastery: 1.225 --- Scores: (4, 7, 4, 4, 4, 4)
✓ Personal_Growth : 1.773 --- Scores: (5, 2, 6, 4, 5, 1, 4)
✓ Positive_Relations : 0.983 --- Scores: (3, 4, 4, 4, 4, 6)
✓ Purpose_in_Life : 1.033 --- Scores: (4, 4, 3, 4, 5, 6)
✓ Self_Acceptance : 1.254 --- Scores: (4, 4, 4, 4, 5, 1, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run10_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.272 --- Scores: (4, 2, 4, 6, 5, 5, 5)
✓ Environmental_Mastery: 0.577 --- Scores: (4, 3, 4, 4, 4, 4, 5)
✓ Personal_Growth : 1.976 --- Scores: (4, 6, 7, 1, 3, 4, 5)
✓ Positive_Relations : 1.380 --- Scores: (3, 4, 5, 2, 4, 1, 4)
✓ Purpose_in_Life : 1.789 --- Scores: (3, 7, 5, 4, 7)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run11_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.632 --- Scores: (4, 3, 4, 4, 5, 4)
✓ Environmental_Mastery: 0.516 --- Scores: (4, 5, 5, 4, 4, 4)
✓ Personal_Growth : 1.225 --- Scores: (5, 2, 4, 2, 4, 4)
✓ Positive_Relations : 1.211 --- Scores: (3, 4, 2, 5, 4, 2)
✓ Purpose_in_Life : 1.414 --- Scores: (7, 4, 4, 4, 5, 4, 7)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run12_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.464 --- Scores: (3, 4, 5, 5, 1, 5, 4)
✓ Environmental_Mastery: 0.378 --- Scores: (4, 3, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.773 --- Scores: (4, 3, 7, 4, 3, 7, 6)
Positive_Relations : N/A (Cannot calculate. Found 4/7 valid items, need at least 5).
✓ Purpose_in_Life : 1.673 --- Scores: (2, 4, 4, 3, 4, 7)
✓ Self_Acceptance : 0.378 --- Scores: (4, 4, 4, 4, 5, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run13_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.169 --- Scores: (3, 3, 2, 2, 4, 5)
✓ Environmental_Mastery: 0.408 --- Scores: (4, 4, 4, 4, 4, 5)
✓ Personal_Growth : 1.512 --- Scores: (7, 3, 6, 4, 3, 4, 4)
✓ Positive_Relations : 1.140 --- Scores: (4, 5, 2, 4, 3)
✓ Purpose_in_Life : 0.378 --- Scores: (4, 4, 4, 3, 4, 4, 4)
✓ Self_Acceptance : 0.577 --- Scores: (4, 3, 4, 5, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run15_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.254 --- Scores: (7, 4, 4, 3, 4, 4, 4)
✓ Environmental_Mastery: 0.378 --- Scores: (4, 3, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.215 --- Scores: (4, 2, 6, 4, 3, 4, 4)
✓ Positive_Relations : 0.894 --- Scores: (4, 3, 2, 4, 4)
✓ Purpose_in_Life : 1.464 --- Scores: (4, 4, 4, 4, 4, 2, 7)
✓ Self_Acceptance : 1.095 --- Scores: (4, 3, 4, 6, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run19_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.506 --- Scores: (6, 4, 3, 2, 2, 3)
✓ Environmental_Mastery: 0.378 --- Scores: (4, 3, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.862 --- Scores: (6, 5, 4, 1, 6, 4)
✓ Positive_Relations : 1.291 --- Scores: (4, 4, 6, 2, 3, 5, 4)
✓ Purpose_in_Life : 0.816 --- Scores: (6, 4, 4, 5, 4, 5)
✓ Self_Acceptance : 1.225 --- Scores: (4, 4, 4, 4, 1, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run1_numbers.json [baseline]
 Subscale Item Response Standard Deviations:
 ✓ Autonomy : 0.976 --- Scores: (2, 3, 4, 3, 4, 4, 5)
 ✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4)
 ✓ Personal_Growth : 1.378 --- Scores: (4, 3, 7, 4, 5, 4)
 ✓ Positive_Relations : 0.983 --- Scores: (4, 4, 2, 4, 5, 4)
 ✓ Purpose_in_Life : 0.951 --- Scores: (5, 4, 6, 4, 4, 3, 4)
 ✓ Self_Acceptance : 0.378 --- Scores: (4, 4, 4, 4, 4, 4, 3)
 ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run8_numbers.json [baseline]
 Subscale Item Response Standard Deviations:
 ✓ Autonomy : 1.000 --- Scores: (3, 5, 3, 5, 5, 3, 4)
 ✓ Environmental_Mastery: 0.378 --- Scores: (5, 4, 4, 4, 4, 4, 4)
 ✓ Personal_Growth : 1.574 --- Scores: (4, 2, 7, 4, 3, 5, 4)
 ✓ Positive_Relations : 1.864 --- Scores: (3, 5, 4, 7, 4, 1, 3)
 ✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
 ✓ Self_Acceptance : 0.447 --- Scores: (4, 4, 4, 4, 4, 3)
 ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run9_numbers.json [baseline]
 Subscale Item Response Standard Deviations:
 ✓ Autonomy : 1.033 --- Scores: (3, 5, 3, 4, 2, 3)
 ✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
 ✓ Personal_Growth : 1.574 --- Scores: (7, 3, 6, 4, 4, 7, 5)
 ✓ Positive_Relations : 0.690 --- Scores: (4, 4, 4, 3, 3, 5, 4)
 ✓ Purpose_in_Life : 0.976 --- Scores: (6, 4, 4, 4, 4, 4, 6)
 ✓ Self_Acceptance : 0.632 --- Scores: (4, 4, 3, 4, 5, 4)
 ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run18_numbers.json [baseline]
 Subscale Item Response Standard Deviations:
 ✓ Autonomy : 0.535 --- Scores: (5, 4, 5, 4, 5, 4, 4)
 ✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
 ✓ Personal_Growth : 1.633 --- Scores: (5, 3, 7, 4, 2, 4, 3)
 ✓ Positive_Relations : 0.535 --- Scores: (4, 3, 3, 3, 4, 4, 4)
 ✓ Purpose_in_Life : 1.414 --- Scores: (7, 4, 7, 4, 5, 4, 4)
 ✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
 ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run2_numbers.json [baseline]
 Subscale Item Response Standard Deviations:
 ✓ Autonomy : 1.414 --- Scores: (3, 7, 3, 3, 4, 4, 4)
 ✓ Environmental_Mastery: 0.378 --- Scores: (4, 4, 4, 4, 4, 4, 3)
 ✓ Personal_Growth : 1.902 --- Scores: (3, 2, 7, 4, 4, 7, 4)
 ✓ Positive_Relations : 1.676 --- Scores: (3, 5, 1, 5, 4, 6, 5)
 ✓ Purpose_in_Life : 0.516 --- Scores: (4, 4, 4, 5, 4, 5)
 ✓ Self_Acceptance : 0.378 --- Scores: (4, 4, 3, 4, 4, 4, 4)
 ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run5_numbers.json [baseline]
 Subscale Item Response Standard Deviations:
 ✓ Autonomy : 0.976 --- Scores: (2, 5, 4, 3, 4, 4, 3)
 ✓ Environmental_Mastery: 0.408 --- Scores: (4, 3, 4, 4, 4, 4, 4)
 ✓ Personal_Growth : 1.291 --- Scores: (3, 2, 6, 4, 4, 5, 4)
 ✓ Positive_Relations : 0.976 --- Scores: (3, 5, 4, 6, 4, 5, 4)
 ✓ Purpose_in_Life : 0.787 --- Scores: (5, 4, 4, 4, 4, 6, 4)
 ✓ Self_Acceptance : 1.380 --- Scores: (5, 3, 3, 7, 4, 4, 4)
 ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run14_numbers.json [baseline]
 Subscale Item Response Standard Deviations:
 ✓ Autonomy : 1.134 --- Scores: (2, 4, 5, 3, 4, 2, 4)
 ✓ Environmental_Mastery: 0.378 --- Scores: (4, 4, 4, 4, 5, 4, 4)
 ✓ Personal_Growth : 0.756 --- Scores: (5, 3, 5, 4, 5, 4, 4)
 ✓ Positive_Relations : 1.049 --- Scores: (5, 5, 3, 4, 6, 4)
 ✓ Purpose_in_Life : 1.397 --- Scores: (4, 3, 7, 4, 4, 4, 6)
 ✓ Self_Acceptance : 0.378 --- Scores: (4, 4, 4, 4, 4, 5, 4)
 ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run20_numbers.json [baseline]
 Subscale Item Response Standard Deviations:
 ✓ Autonomy : 0.488 --- Scores: (3, 3, 4, 4, 4, 4, 4)

✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 0.816 --- Scores: (4, 3, 5, 4, 3, 5, 4)
✓ Positive_Relations : 0.900 --- Scores: (5, 5, 6, 6, 6, 4, 4)
✓ Purpose_in_Life : 0.488 --- Scores: (4, 4, 3, 4, 4, 3, 4)
✓ Self_Acceptance : 1.254 --- Scores: (4, 4, 4, 4, 4, 3, 7)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run4_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.345 --- Scores: (3, 1, 4, 3, 5, 4, 2)
✓ Environmental_Mastery: 0.756 --- Scores: (4, 4, 4, 4, 4, 6, 4)
✓ Personal_Growth : 1.799 --- Scores: (6, 2, 6, 4, 4, 2, 2)
✓ Positive_Relations : 0.900 --- Scores: (3, 5, 4, 3, 4, 5, 3)
✓ Purpose_in_Life : 1.345 --- Scores: (4, 3, 4, 4, 3, 4, 7)
✓ Self_Acceptance : 0.756 --- Scores: (4, 3, 3, 3, 5, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Hermes3.1nondet_hermes3_nondet_run16_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.951 --- Scores: (4, 3, 4, 2, 4, 4, 5)
✓ Environmental_Mastery: 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Personal_Growth : 1.254 --- Scores: (7, 5, 7, 4, 5, 4, 5)
✓ Positive_Relations : 1.215 --- Scores: (4, 5, 4, 6, 4, 7, 4)
✓ Purpose_in_Life : 1.254 --- Scores: (4, 3, 4, 4, 4, 4, 7)
✓ Self_Acceptance : 0.488 --- Scores: (4, 4, 4, 3, 4, 4, 3)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run15_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.254 --- Scores: (3, 3, 4, 2, 4, 4, 6)
✓ Environmental_Mastery: 1.506 --- Scores: (4, 4, 7, 3, 5, 3)
✓ Personal_Growth : 1.704 --- Scores: (7, 3, 6, 4, 2, 4, 4)
✓ Positive_Relations : 0.976 --- Scores: (4, 5, 4, 6, 4, 5, 3)
■ Purpose_in_Life : 2.137 --- Scores: (1, 4, 7, 3, 4, 6)
✓ Self_Acceptance : 0.951 --- Scores: (3, 4, 4, 2, 4, 4, 2)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run01_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.113 --- Scores: (3, 3, 2, 4, 5, 4, 2)
✓ Environmental_Mastery: 0.378 --- Scores: (4, 5, 4, 4, 4, 4, 4)
■ Personal_Growth : 2.646 --- Scores: (7, 7, 7, 7, 2, 1, 4)
✓ Positive_Relations : 1.890 --- Scores: (3, 5, 5, 7, 4, 7, 2)
✓ Purpose_in_Life : 1.604 --- Scores: (5, 4, 7, 5, 2, 4, 6)
✓ Self_Acceptance : 0.516 --- Scores: (4, 4, 4, 3, 4, 3)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run02_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.864 --- Scores: (3, 3, 6, 3, 5, 1, 6)
✓ Environmental_Mastery: 0.690 --- Scores: (4, 4, 4, 3, 5, 4, 3)
■ Personal_Growth : 2.168 --- Scores: (7, 2, 6, 2, 6, 4)
✓ Positive_Relations : 1.512 --- Scores: (3, 6, 4, 2, 2, 5, 3)
✓ Purpose_in_Life : 1.988 --- Scores: (7, 4, 2, 5, 2, 6, 6)
✓ Self_Acceptance : 1.574 --- Scores: (3, 3, 5, 6, 4, 6, 2)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run04_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.618 --- Scores: (6, 4, 1, 2, 4, 4, 3)
✓ Environmental_Mastery: 0.488 --- Scores: (4, 5, 4, 4, 5, 4, 4)
✓ Personal_Growth : 1.673 --- Scores: (6, 2, 6, 4, 6, 6)
✓ Positive_Relations : 1.414 --- Scores: (4, 5, 4, 6, 7, 6, 3)
✓ Purpose_in_Life : 2.000 --- Scores: (6, 4, 7, 3, 3, 4, 1)
✓ Self_Acceptance : 0.756 --- Scores: (3, 4, 4, 3, 5, 4, 3)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run05_numbers.json [math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.604 --- Scores: (7, 5, 5, 2, 4, 4, 3)
✓ Environmental_Mastery: 1.512 --- Scores: (4, 1, 5, 4, 4, 2, 5)
■ Personal_Growth : 2.478 --- Scores: (7, 2, 7, 3, 2, 1, 5)
✓ Positive_Relations : 1.574 --- Scores: (2, 5, 6, 2, 4, 5, 3)
✓ Purpose_in_Life : 1.633 --- Scores: (5, 4, 1, 5, 2, 3)
✓ Self_Acceptance : 1.397 --- Scores: (3, 4, 5, 3, 4, 5, 7)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run06_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.787 --- Scores: (2, 3, 4, 3, 4, 4, 4)
✓ Environmental_Mastery: 1.155 --- Scores: (4, 4, 4, 4, 6, 4, 2)
■ Personal_Growth : 2.530 --- Scores: (7, 2, 7, 3, 1, 4)
✓ Positive_Relations : 1.254 --- Scores: (3, 6, 4, 4, 4, 6, 3)
✓ Purpose_in_Life : 1.574 --- Scores: (4, 4, 7, 4, 7, 3, 5)
✓ Self_Acceptance : 1.215 --- Scores: (2, 4, 6, 4, 5, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run09_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.900 --- Scores: (4, 4, 5, 4, 4, 4, 2)
✓ Environmental_Mastery: 0.690 --- Scores: (4, 4, 4, 5, 3, 4, 3)
✓ Personal_Growth : 1.902 --- Scores: (7, 6, 7, 4, 2, 7, 5)
✓ Positive_Relations : 1.414 --- Scores: (4, 5, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 1.134 --- Scores: (4, 4, 4, 5, 3, 6, 6)
✓ Self_Acceptance : 0.816 --- Scores: (3, 4, 4, 3, 5, 3)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run12_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.512 --- Scores: (5, 3, 6, 2, 4, 3, 2)
■ Environmental_Mastery: 2.588 --- Scores: (7, 1, 4, 6, 1, 2)
■ Personal_Growth : 2.637 --- Scores: (7, 7, 6, 4, 1, 6, 1)
✓ Positive_Relations : 0.951 --- Scores: (4, 5, 4, 6, 4, 6, 4)
✓ Purpose_in_Life : 1.512 --- Scores: (7, 4, 4, 3, 3, 5, 6)
✓ Self_Acceptance : 0.577 --- Scores: (4, 4, 4, 4, 4, 5, 3)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run17_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.915 --- Scores: (2, 4, 7, 3, 6, 4, 2)
✓ Environmental_Mastery: 0.837 --- Scores: (4, 4, 4, 3, 4, 2)
■ Personal_Growth : 2.380 --- Scores: (7, 3, 7, 3, 2, 1, 5)
✓ Positive_Relations : 1.134 --- Scores: (4, 5, 4, 6, 4, 6, 3)
✓ Purpose_in_Life : 1.069 --- Scores: (5, 4, 6, 5, 4, 5, 7)
✓ Self_Acceptance : 1.902 --- Scores: (4, 3, 4, 7, 7, 5, 2)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run19_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.900 --- Scores: (3, 2, 4, 2, 4, 4, 3)
✓ Environmental_Mastery: 1.134 --- Scores: (4, 4, 1, 4, 4, 4, 4)
✓ Personal_Growth : 1.988 --- Scores: (6, 2, 7, 4, 2, 6, 4)
✓ Positive_Relations : 1.329 --- Scores: (4, 5, 2, 4, 6, 4)
■ Purpose_in_Life : 2.035 --- Scores: (4, 3, 5, 5, 1, 2, 7)
✓ Self_Acceptance : 1.215 --- Scores: (2, 4, 4, 4, 6, 5, 4)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run03_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.380 --- Scores: (5, 4, 1, 3, 4, 4, 2)
✓ Environmental_Mastery: 1.799 --- Scores: (7, 4, 4, 4, 5, 7, 2)
■ Personal_Growth : 2.440 --- Scores: (7, 7, 6, 3, 2, 1, 5)
✓ Positive_Relations : 1.618 --- Scores: (4, 5, 4, 6, 4, 7, 2)
✓ Purpose_in_Life : 1.272 --- Scores: (4, 3, 4, 5, 3, 6, 6)
✓ Self_Acceptance : 1.604 --- Scores: (2, 3, 4, 4, 5, 5, 7)

✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run07_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.215 --- Scores: (4, 4, 4, 2, 6, 4, 5)
✓ Environmental_Mastery: 0.690 --- Scores: (3, 3, 4, 4, 5, 4, 4)
■ Personal_Growth : 2.289 --- Scores: (7, 2, 7, 4, 2, 7, 4)
✓ Positive_Relations : 1.604 --- Scores: (4, 7, 4, 3, 4, 7, 4)
■ Purpose_in_Life : 2.478 --- Scores: (7, 3, 6, 1, 3, 7, 7)
✓ Self_Acceptance : 0.378 --- Scores: (4, 4, 4, 3, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run08_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.864 --- Scores: (4, 2, 6, 4, 7, 4, 2)
✓ Environmental_Mastery: 1.113 --- Scores: (3, 4, 4, 3, 4, 1, 4)
■ Personal_Growth : 2.268 --- Scores: (7, 2, 7, 7, 2, 5, 4)
✓ Positive_Relations : 1.272 --- Scores: (3, 5, 4, 6, 4, 6, 3)
✓ Purpose_in_Life : 1.345 --- Scores: (4, 4, 7, 5, 4, 5, 7)
✓ Self_Acceptance : 1.272 --- Scores: (3, 3, 4, 4, 4, 5, 1)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run10_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.272 --- Scores: (4, 1, 5, 3, 4, 4, 3)
✓ Environmental_Mastery: 0.690 --- Scores: (4, 5, 5, 3, 4, 4, 4)
■ Personal_Growth : 2.070 --- Scores: (7, 2, 7, 4, 7, 7, 4)
✓ Positive_Relations : 1.988 --- Scores: (3, 7, 4, 7, 3, 7, 7)
✓ Purpose_in_Life : 1.773 --- Scores: (4, 3, 4, 5, 2, 2, 7)
✓ Self_Acceptance : 1.464 --- Scores: (3, 7, 4, 3, 4, 5, 3)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run11_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.380 --- Scores: (6, 3, 4, 3, 5, 3, 2)
✓ Environmental_Mastery: 0.378 --- Scores: (4, 3, 4, 4, 4, 4, 4)
■ Personal_Growth : 2.610 --- Scores: (7, 1, 7, 4, 3, 1, 6)
✓ Positive_Relations : 1.254 --- Scores: (4, 3, 4, 6, 3, 6, 4)
✓ Purpose_in_Life : 1.380 --- Scores: (4, 5, 4, 4, 3, 6, 7)
✓ Self_Acceptance : 1.799 --- Scores: (4, 7, 4, 3, 3, 4, 1)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run13_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.633 --- Scores: (3, 2, 1, 2, 6, 4, 3)
✓ Environmental_Mastery: 1.272 --- Scores: (3, 7, 4, 4, 5, 5, 4)
■ Personal_Growth : 2.360 --- Scores: (7, 2, 7, 7, 2, 7, 5)
✓ Positive_Relations : 1.215 --- Scores: (4, 4, 5, 2, 4, 6, 4)
✓ Purpose_in_Life : 1.618 --- Scores: (4, 4, 1, 6, 2, 4, 4)
✓ Self_Acceptance : 1.134 --- Scores: (4, 4, 4, 4, 4, 4, 7)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run14_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.496 --- Scores: (6, 4, 5, 3, 6, 4, 2)
✓ Environmental_Mastery: 0.787 --- Scores: (2, 4, 4, 4, 3, 4, 3)
✓ Personal_Growth : 1.813 --- Scores: (7, 2, 7, 4, 4, 4, 4)
✓ Positive_Relations : 1.414 --- Scores: (3, 5, 4, 2, 3, 6, 5)
■ Purpose_in_Life : 2.070 --- Scores: (4, 7, 4, 5, 2, 2, 7)
✓ Self_Acceptance : 1.512 --- Scores: (4, 4, 5, 7, 4, 5, 2)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run16_numbers.json
[math]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.864 --- Scores: (2, 3, 5, 3, 6, 3, 7)
✓ Environmental_Mastery: 1.380 --- Scores: (4, 4, 5, 2, 1, 4, 3)

```

■ Personal_Growth : 2.673 --- Scores: (7, 2, 7, 7, 2, 7, 2)
✓ Positive_Relations : 1.988 --- Scores: (2, 6, 6, 2, 5, 7, 4)
✓ Purpose_in_Life : 1.799 --- Scores: (6, 3, 4, 5, 2, 3, 7)
✓ Self_Acceptance : 1.604 --- Scores: (4, 7, 4, 7, 4, 4, 3)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run18_numbers.json
[math]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.380 --- Scores: (7, 3, 5, 3, 4, 4, 4)
✓ Environmental_Mastery: 0.756 --- Scores: (4, 4, 4, 4, 6, 4, 4)
■ Personal_Growth : 2.370 --- Scores: (1, 2, 7, 4, 3, 1, 6)
✓ Positive_Relations : 0.951 --- Scores: (4, 6, 4, 6, 4, 5, 4)
✓ Purpose_in_Life : 1.134 --- Scores: (4, 4, 4, 4, 3, 1, 4)
✓ Self_Acceptance : 1.215 --- Scores: (2, 3, 4, 2, 4, 5, 2)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run20_numbers.json
[math]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.676 --- Scores: (6, 2, 4, 7, 4, 5, 6)
✓ Environmental_Mastery: 1.826 --- Scores: (4, 4, 4, 3, 1, 5, 7)
✓ Personal_Growth : 1.464 --- Scores: (4, 2, 6, 4, 2, 4, 5)
✓ Positive_Relations : 1.718 --- Scores: (4, 5, 4, 2, 3, 6, 7)
✓ Purpose_in_Life : 1.976 --- Scores: (4, 4, 7, 3, 3, 2, 7)
✓ Self_Acceptance : 1.113 --- Scores: (5, 4, 4, 4, 4, 5, 7)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

=====
OVERALL CONSISTENCY SUMMARY
=====
Total valid files analyzed for consistency: 39

Breakdown by number of inconsistent scales per file:
- Files with exactly 1 inconsistent scale(s): 16
- Files with exactly 2 inconsistent scale(s): 2

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%
=====

=====
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 = 160.684, n = 19, SD = 9.141
Group B (math): Mean = 173.350, n = 20, SD = 8.067
Absolute difference between means: 12.666

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):**  $t = (\text{Mean\_GroupA} - \text{Mean\_GroupB}) / \sqrt{((\text{Var\_GroupA}/n_{\text{GroupA}}) + (\text{Var\_GroupB}/n_{\text{GroupB}}))}$ 
**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: -4.579
Degrees of freedom (df): 35.9
p-value: 0.000
Effect size (Cohen's d): 1.469

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 ($d \geq 0.8$)
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.

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SUBSCALE LEVEL COMPARISON:

Subscale: Autonomy
Group A (baseline): Mean=3.741, SD=0.391 (n=19)
Group B (math): Mean=3.793, SD=0.476 (n=20)
Absolute difference: 0.052
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: -0.376
Degrees of freedom: 36.3
p-value: 0.709
Effect size (Cohen's d): 0.120
✓ No Statistically Significant Difference ($p \geq 0.05$)
✓ NEGLIGIBLE practical effect size ($d < 0.2$)

Subscale: Environmental_Mastery
Group A (baseline): Mean=4.075, SD=0.201 (n=19)
Group B (math): Mean=3.902, SD=0.414 (n=20)
Absolute difference: 0.173
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: 1.671
Degrees of freedom: 27.8
p-value: 0.106
Effect size (Cohen's d): 0.531
✓ No Statistically Significant Difference ($p \geq 0.05$)
■■ MEDIUM practical effect size ($d \geq 0.5$)

Subscale: Personal_Growth
Group A (baseline): Mean=4.303, SD=0.474 (n=19)
Group B (math): Mean=4.532, SD=0.552 (n=20)
Absolute difference: 0.229
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: -1.391
Degrees of freedom: 36.6
p-value: 0.173
Effect size (Cohen's d): 0.445
✓ No Statistically Significant Difference ($p \geq 0.05$)
~ SMALL practical effect size ($d \geq 0.2$)

Subscale: Positive_Relations
Group A (baseline): Mean=4.084, SD=0.537 (n=19)
Group B (math): Mean=4.480, SD=0.425 (n=20)
Absolute difference: 0.396

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: -2.543
 Degrees of freedom: 34.3
 p-value: 0.016
 Effect size (Cohen's d): 0.817
 ■ Statistically Significant Difference ($p < 0.05$)
 ■ LARGE practical effect size ($d \geq 0.8$)

Subscale: Purpose_in_Life
 Group A (baseline): Mean=4.346, SD=0.419 (n=19)
 Group B (math): Mean=4.339, SD=0.530 (n=20)
 Absolute difference: 0.007
 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: 0.046
 Degrees of freedom: 35.9
 p-value: 0.963
 Effect size (Cohen's d): 0.015
 ✓ No Statistically Significant Difference ($p \geq 0.05$)
 ✓ NEGLIGIBLE practical effect size ($d < 0.2$)

Subscale: Self_Acceptance
 Group A (baseline): Mean=3.932, SD=0.220 (n=19)
 Group B (math): Mean=4.031, SD=0.460 (n=20)
 Absolute difference: 0.099
 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: -0.861
 Degrees of freedom: 27.6
 p-value: 0.397
 Effect size (Cohen's d): 0.274
 ✓ No Statistically Significant Difference ($p \geq 0.05$)
 ~ SMALL practical effect size ($d \geq 0.2$)

■ SUMMARY: SUBSCALES WITH STATISTICALLY SIGNIFICANT DIFFERENCES:
 - Positive_Relations

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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 (39 valid scores):

Mean: 167.179
Standard Deviation (SD): 10.642
Range: 148.000 - 185.000
Coefficient of Variation (CV): 0.064
✓ Very Low relative variability (extremely high overall similarity across files).

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

Autonomy: Mean=3.767, SD=0.432, CV=0.115
Environmental_Mastery: Mean=3.987, SD=0.335, CV=0.084
Personal_Growth: Mean=4.421, SD=0.522, CV=0.118
Positive_Relations: Mean=4.287, SD=0.517, CV=0.120
Purpose_in_Life: Mean=4.343, SD=0.473, CV=0.109
Self_Acceptance: Mean=3.983, SD=0.362, CV=0.091

Most variable subscale across files (highest CV): Positive_Relations (CV: 0.120)
Least variable subscale across files (lowest CV): Environmental_Mastery (CV: 0.084)

OUTLIER ANALYSIS (Based on Global Ryff Total Scores):

✓ No significant outliers detected in Global Ryff Total Scores.

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CROSS-FILE SIMILARITY SUMMARY:
Total valid files analyzed: 39
Overall Global Score consistency: VERY HIGH
Total outliers detected: 0

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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.

FILE: Hermes3.1nondet_hermes3_nondet_run7_numbers.json [baseline] - Status: INVALID (8 errors)

Specific Invalid Entries in this file:

- Item 7: null
- Item 10: null

- Item 13: null
- Item 18: null
- Item 31: null
- Item 35: null
- Item 36: null
- Item 41: null

FILE: Hermes3.1nondet_hermes3_nondet_run17_numbers.json [baseline] - Status: VALID (5 errors)

Specific Invalid Entries in this file:

- Item 7: null
- Item 18: null
- Item 36: null
- Item 40: null
- Item 41: null

FILE: Hermes3.1nondet_hermes3_nondet_run3_numbers.json [baseline] - Status: VALID (4 errors)

Specific Invalid Entries in this file:

- Item 18: null
- Item 34: null
- Item 36: null
- Item 39: null

FILE: Hermes3.1nondet_hermes3_nondet_run6_numbers.json [baseline] - Status: VALID (4 errors)

Specific Invalid Entries in this file:

- Item 13: null
- Item 20: null
- Item 27: null
- Item 36: null

FILE: Hermes3.1nondet_hermes3_nondet_run10_numbers.json [baseline] - Status: VALID (4 errors)

Specific Invalid Entries in this file:

- Item 20: null
- Item 29: null
- Item 31: null
- Item 40: null

FILE: Hermes3.1nondet_hermes3_nondet_run11_numbers.json [baseline] - Status: VALID (4 errors)

Specific Invalid Entries in this file:

- Item 10: null
- Item 18: null
- Item 26: null
- Item 28: null

FILE: Hermes3.1nondet_hermes3_nondet_run12_numbers.json [baseline] - Status: VALID (4 errors)

Specific Invalid Entries in this file:

- Item 7: null
- Item 16: null
- Item 18: null
- Item 20: null

FILE: Hermes3.1nondet_hermes3_nondet_run13_numbers.json [baseline] - Status: VALID (4 errors)

Specific Invalid Entries in this file:

- Item 7: null
- Item 10: null
- Item 12: null
- Item 16: null

FILE: Hermes3.1nondet_hermes3_nondet_run15_numbers.json [baseline] - Status: VALID (4 errors)

Specific Invalid Entries in this file:

- Item 4: null
- Item 8: null
- Item 18: null
- Item 34: null

FILE: Hermes3.1nondet_hermes3_nondet_run19_numbers.json [baseline] - Status: VALID (4 errors)
Specific Invalid Entries in this file:
- Item 1: null
- Item 5: null
- Item 31: null
- Item 39: null

FILE: Hermes3.1nondet_hermes3_nondet_run1_numbers.json [baseline] - Status: VALID (3 errors)
Specific Invalid Entries in this file:
- Item 7: null
- Item 14: null
- Item 42: null

FILE: Hermes3.1nondet_hermes3_nondet_run8_numbers.json [baseline] - Status: VALID (2 errors)
Specific Invalid Entries in this file:
- Item 19: null
- Item 22: null

FILE: Hermes3.1nondet_hermes3_nondet_run9_numbers.json [baseline] - Status: VALID (2 errors)
Specific Invalid Entries in this file:
- Item 13: null
- Item 22: null

FILE: Hermes3.1nondet_hermes3_nondet_run18_numbers.json [baseline] - Status: VALID (2 errors)
Specific Invalid Entries in this file:
- Item 36: null
- Item 40: null

FILE: Hermes3.1nondet_hermes3_nondet_run2_numbers.json [baseline] - Status: VALID (1 errors)
Specific Invalid Entries in this file:
- Item 20: null

FILE: Hermes3.1nondet_hermes3_nondet_run5_numbers.json [baseline] - Status: VALID (1 errors)
Specific Invalid Entries in this file:
- Item 23: null

FILE: Hermes3.1nondet_hermes3_nondet_run14_numbers.json [baseline] - Status: VALID (1 errors)
Specific Invalid Entries in this file:
- Item 7: null

FILE: Hermes3.1nondet_hermes3_nondet_run20_numbers.json [baseline] - Status: VALID (1 errors)
Specific Invalid Entries in this file:
- Item 3: null

FILE: Hermes3.1nondet_hermes3_nondet_run4_numbers.json [baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Hermes3.1nondet_hermes3_nondet_run16_numbers.json [baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run15_numbers.json [math] - Status: VALID (2 errors)
Specific Invalid Entries in this file:
- Item 20: null
- Item 42: null

FILE: hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run01_numbers.json [math] - Status: VALID (1 errors)
Specific Invalid Entries in this file:
- Item 19: null

FILE: hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run02_numbers.json [math] - Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 2: null

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run04_numbers.json [math] -
Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 2: null

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run05_numbers.json [math] -
Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 33: null

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run06_numbers.json [math] -
Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 37: null

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run09_numbers.json [math] -
Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 40: null

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run12_numbers.json [math] -
Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 36: null

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run17_numbers.json [math] -
Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 12: null

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run19_numbers.json [math] -
Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 30: null

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run03_numbers.json [math] -
Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run07_numbers.json [math] -
Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run08_numbers.json [math] -
Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run10_numbers.json [math] -
Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run11_numbers.json [math] -
Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run13_numbers.json [math] -
Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run14_numbers.json [math] -
Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run16_numbers.json [math] -
Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: hermes3.lnondet_hermes3_t07_variantB_mathsymbols_run18_numbers.json [math] -
Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: hermes3.1nondet_hermes3_t07_variantB_mathsymbols_run20_numbers.json [math] -
Status: VALID (0 errors)
No specific invalid entries found in this file.

=====
OVERALL ERROR ANALYSIS SUMMARY:
Total files analyzed: 40
Files marked as VALID: 39 (97.5%)
Files marked as INVALID (excluded from analyses): 1 (2.5%)
Total individual invalid entries found across all files: 69

Breakdown of Error Types (Total occurrences):
- Null Values : 69 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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