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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.

✓ 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_variantA_codeblock_P1_run1_ryff_respon
ses_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 217.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 37.000
Personal_Growth: 42.000
Positive_Relations: 43.000
Purpose_in_Life: 34.000
Self_Acceptance: 29.000
Subscale Averages:
Autonomy: 4.571
Environmental_Mastery: 5.286
Personal_Growth: 6.000
Positive_Relations: 6.143
Purpose_in_Life: 4.857
Self_Acceptance: 4.143

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run2_ryff_respon
ses_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 212.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 34.000
Environmental_Mastery: 37.000
Personal_Growth: 40.000
Positive_Relations: 40.000
Purpose_in_Life: 33.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.857
Environmental_Mastery: 5.286
Personal_Growth: 5.714
Positive_Relations: 5.714
Purpose_in_Life: 4.714
Self_Acceptance: 4.000

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run3_ryff_respon
ses_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 219.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 31.000
Environmental_Mastery: 35.000
Personal_Growth: 39.000
Positive_Relations: 43.000
Purpose_in_Life: 36.000
Self_Acceptance: 35.000
Subscale Averages:
Autonomy: 4.429
Environmental_Mastery: 5.000
Personal_Growth: 5.571
Positive_Relations: 6.143
Purpose_in_Life: 5.143
Self_Acceptance: 5.000

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run4_ryff_respon
ses_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 212.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 31.000
Environmental_Mastery: 36.000
Personal_Growth: 42.000
Positive_Relations: 42.000
Purpose_in_Life: 35.000
Self_Acceptance: 26.000
Subscale Averages:
Autonomy: 4.429
Environmental_Mastery: 5.143
Personal_Growth: 6.000
Positive_Relations: 6.000
Purpose_in_Life: 5.000
Self_Acceptance: 3.714

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run5_ryff_respon
ses_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 204.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 31.000
Environmental_Mastery: 34.000
Personal_Growth: 40.000
Positive_Relations: 40.000
Purpose_in_Life: 34.000
Self_Acceptance: 25.000
Subscale Averages:
Autonomy: 4.429
Environmental_Mastery: 4.857
Personal_Growth: 5.714

Positive_Relations: 5.714
Purpose_in_Life: 4.857
Self_Acceptance: 3.571

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run6_ryff_respon
ses_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 221.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 33.000
Environmental_Mastery: 33.000
Personal_Growth: 41.000
Positive_Relations: 44.000
Purpose_in_Life: 37.000
Self_Acceptance: 33.000
Subscale Averages:
Autonomy: 4.714
Environmental_Mastery: 4.714
Personal_Growth: 5.857
Positive_Relations: 6.286
Purpose_in_Life: 5.286
Self_Acceptance: 4.714

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run7_ryff_respon
ses_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 213.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 39.000
Personal_Growth: 40.000
Positive_Relations: 42.000
Purpose_in_Life: 34.000
Self_Acceptance: 30.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 5.571
Personal_Growth: 5.714
Positive_Relations: 6.000
Purpose_in_Life: 4.857
Self_Acceptance: 4.286

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run8_ryff_respon
ses_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 209.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 30.000
Personal_Growth: 41.000
Positive_Relations: 37.000
Purpose_in_Life: 35.000
Self_Acceptance: 34.000
Subscale Averages:
Autonomy: 4.571
Environmental_Mastery: 4.286
Personal_Growth: 5.857
Positive_Relations: 5.286
Purpose_in_Life: 5.000
Self_Acceptance: 4.857

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run9_ryff_respon
ses_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 217.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 33.000
Environmental_Mastery: 34.000
Personal_Growth: 42.000
Positive_Relations: 43.000
Purpose_in_Life: 35.000
Self_Acceptance: 30.000
Subscale Averages:

Autonomy: 4.714
Environmental_Mastery: 4.857
Personal_Growth: 6.000
Positive_Relations: 6.143
Purpose_in_Life: 5.000
Self_Acceptance: 4.286

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run10_ryff_respo
nse_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 205.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 27.000
Environmental_Mastery: 35.000
Personal_Growth: 42.000
Positive_Relations: 39.000
Purpose_in_Life: 34.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 3.857
Environmental_Mastery: 5.000
Personal_Growth: 6.000
Positive_Relations: 5.571
Purpose_in_Life: 4.857
Self_Acceptance: 4.000

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run11_ryff_respo
nse_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 207.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 30.000
Environmental_Mastery: 34.000
Personal_Growth: 42.000
Positive_Relations: 40.000
Purpose_in_Life: 33.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.286
Environmental_Mastery: 4.857
Personal_Growth: 6.000
Positive_Relations: 5.714
Purpose_in_Life: 4.714
Self_Acceptance: 4.000

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run12_ryff_respo
nse_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 216.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 35.000
Personal_Growth: 42.000
Positive_Relations: 41.000
Purpose_in_Life: 36.000
Self_Acceptance: 30.000
Subscale Averages:
Autonomy: 4.571
Environmental_Mastery: 5.000
Personal_Growth: 6.000
Positive_Relations: 5.857
Purpose_in_Life: 5.143
Self_Acceptance: 4.286

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run13_ryff_respo
nse_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 214.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 31.000
Environmental_Mastery: 33.000
Personal_Growth: 41.000
Positive_Relations: 41.000

Purpose_in_Life: 36.000
Self_Acceptance: 32.000
Subscale Averages:
Autonomy: 4.429
Environmental_Mastery: 4.714
Personal_Growth: 5.857
Positive_Relations: 5.857
Purpose_in_Life: 5.143
Self_Acceptance: 4.571

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run14_ryff_respo
nse_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 211.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 33.000
Environmental_Mastery: 29.000
Personal_Growth: 43.000
Positive_Relations: 41.000
Purpose_in_Life: 36.000
Self_Acceptance: 29.000
Subscale Averages:
Autonomy: 4.714
Environmental_Mastery: 4.143
Personal_Growth: 6.143
Positive_Relations: 5.857
Purpose_in_Life: 5.143
Self_Acceptance: 4.143

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run15_ryff_respo
nse_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 220.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 34.000
Environmental_Mastery: 32.000
Personal_Growth: 46.000
Positive_Relations: 44.000
Purpose_in_Life: 35.000
Self_Acceptance: 29.000
Subscale Averages:
Autonomy: 4.857
Environmental_Mastery: 4.571
Personal_Growth: 6.571
Positive_Relations: 6.286
Purpose_in_Life: 5.000
Self_Acceptance: 4.143

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run16_ryff_respo
nse_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 212.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 31.000
Environmental_Mastery: 35.000
Personal_Growth: 41.000
Positive_Relations: 42.000
Purpose_in_Life: 34.000
Self_Acceptance: 29.000
Subscale Averages:
Autonomy: 4.429
Environmental_Mastery: 5.000
Personal_Growth: 5.857
Positive_Relations: 6.000
Purpose_in_Life: 4.857
Self_Acceptance: 4.143

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run17_ryff_respo
nse_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 213.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 29.000

Environmental_Mastery: 35.000
Personal_Growth: 42.000
Positive_Relations: 39.000
Purpose_in_Life: 35.000
Self_Acceptance: 33.000
Subscale Averages:
Autonomy: 4.143
Environmental_Mastery: 5.000
Personal_Growth: 6.000
Positive_Relations: 5.571
Purpose_in_Life: 5.000
Self_Acceptance: 4.714

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run18_ryff_respo
nse_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 206.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 31.000
Environmental_Mastery: 35.000
Personal_Growth: 39.000
Positive_Relations: 41.000
Purpose_in_Life: 34.000
Self_Acceptance: 26.000
Subscale Averages:
Autonomy: 4.429
Environmental_Mastery: 5.000
Personal_Growth: 5.571
Positive_Relations: 5.857
Purpose_in_Life: 4.857
Self_Acceptance: 3.714

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run19_ryff_respo
nse_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 211.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 34.000
Personal_Growth: 41.000
Positive_Relations: 43.000
Purpose_in_Life: 35.000
Self_Acceptance: 26.000
Subscale Averages:
Autonomy: 4.571
Environmental_Mastery: 4.857
Personal_Growth: 5.857
Positive_Relations: 6.143
Purpose_in_Life: 5.000
Self_Acceptance: 3.714

✓ Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run20_ryff_respo
nse_numbers.json [codeblock] - VALID FILE
Calculated Global Ryff Total Score: 212.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 30.000
Environmental_Mastery: 36.000
Personal_Growth: 39.000
Positive_Relations: 42.000
Purpose_in_Life: 34.000
Self_Acceptance: 31.000
Subscale Averages:
Autonomy: 4.286
Environmental_Mastery: 5.143
Personal_Growth: 5.571
Positive_Relations: 6.000
Purpose_in_Life: 4.857
Self_Acceptance: 4.429

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

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Filename	Label	Total Score
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[illegible]

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run16_ryff_respons
es_numbers.json codeblock 212.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run17_ryff_respons
es_numbers.json codeblock 213.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run18_ryff_respons
es_numbers.json codeblock 206.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run19_ryff_respons
es_numbers.json codeblock 211.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run20_ryff_respons
es_numbers.json codeblock 212.000

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.js
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.js
n baseline 33.000 29.000 38.000 40.000 32.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run3_ryff_responses_numbers.js
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.js
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.js
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.js
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.js
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.js
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.js
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_variantA_codeblock_P1_run1_ryff_response
s_numbers.json codeblock 32.000 37.000 42.000 43.000 34.000 29.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run2_ryff_response
s_numbers.json codeblock 34.000 37.000 40.000 40.000 33.000 28.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run3_ryff_response
s_numbers.json codeblock 31.000 35.000 39.000 43.000 36.000 35.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run4_ryff_response
s_numbers.json codeblock 31.000 36.000 42.000 42.000 35.000 26.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run5_ryff_response
s_numbers.json codeblock 31.000 34.000 40.000 40.000 34.000 25.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run6_ryff_response
s_numbers.json codeblock 33.000 33.000 41.000 44.000 37.000 33.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run7_ryff_response
s_numbers.json codeblock 28.000 39.000 40.000 42.000 34.000 30.000

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Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run8_ryff_response
s_numbers.json codeblock 32.000 30.000 41.000 37.000 35.000 34.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run9_ryff_response
s_numbers.json codeblock 33.000 34.000 42.000 43.000 35.000 30.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run10_ryff_respons
es_numbers.json codeblock 27.000 35.000 42.000 39.000 34.000 28.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run11_ryff_respons
es_numbers.json codeblock 30.000 34.000 42.000 40.000 33.000 28.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run12_ryff_respons
es_numbers.json codeblock 32.000 35.000 42.000 41.000 36.000 30.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run13_ryff_respons
es_numbers.json codeblock 31.000 33.000 41.000 41.000 36.000 32.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run14_ryff_respons
es_numbers.json codeblock 33.000 29.000 43.000 41.000 36.000 29.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run15_ryff_respons
es_numbers.json codeblock 34.000 32.000 46.000 44.000 35.000 29.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run16_ryff_respons
es_numbers.json codeblock 31.000 35.000 41.000 42.000 34.000 29.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run17_ryff_respons
es_numbers.json codeblock 29.000 35.000 42.000 39.000 35.000 33.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run18_ryff_respons
es_numbers.json codeblock 31.000 35.000 39.000 41.000 34.000 26.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run19_ryff_respons
es_numbers.json codeblock 32.000 34.000 41.000 43.000 35.000 26.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run20_ryff_respons
es_numbers.json codeblock 30.000 36.000 39.000 42.000 34.000 31.000

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SUBSCALE AVERAGES TABLE:

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Filename Label Autonomy Environm Personal Positive Purpose_ Self_Acc

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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

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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_variantA_codeblock_P1_run1_ryff_response
s_numbers.json codeblock 4.571 5.286 6.000 6.143 4.857 4.143
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run2_ryff_response
s_numbers.json codeblock 4.857 5.286 5.714 5.714 4.714 4.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run3_ryff_response
s_numbers.json codeblock 4.429 5.000 5.571 6.143 5.143 5.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run4_ryff_response
s_numbers.json codeblock 4.429 5.143 6.000 6.000 5.000 3.714
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run5_ryff_response
s_numbers.json codeblock 4.429 4.857 5.714 5.714 4.857 3.571
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run6_ryff_response
s_numbers.json codeblock 4.714 4.714 5.857 6.286 5.286 4.714
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run7_ryff_response
s_numbers.json codeblock 4.000 5.571 5.714 6.000 4.857 4.286
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run8_ryff_response
s_numbers.json codeblock 4.571 4.286 5.857 5.286 5.000 4.857
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run9_ryff_response
s_numbers.json codeblock 4.714 4.857 6.000 6.143 5.000 4.286
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run10_ryff_respons
es_numbers.json codeblock 3.857 5.000 6.000 5.571 4.857 4.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run11_ryff_respons
es_numbers.json codeblock 4.286 4.857 6.000 5.714 4.714 4.000
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run12_ryff_respons
es_numbers.json codeblock 4.571 5.000 6.000 5.857 5.143 4.286
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run13_ryff_respons
es_numbers.json codeblock 4.429 4.714 5.857 5.857 5.143 4.571
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run14_ryff_respons
es_numbers.json codeblock 4.714 4.143 6.143 5.857 5.143 4.143
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run15_ryff_respons
es_numbers.json codeblock 4.857 4.571 6.571 6.286 5.000 4.143
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run16_ryff_respons
es_numbers.json codeblock 4.429 5.000 5.857 6.000 4.857 4.143
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run17_ryff_respons
es_numbers.json codeblock 4.143 5.000 6.000 5.571 5.000 4.714
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run18_ryff_respons
es_numbers.json codeblock 4.429 5.000 5.571 5.857 4.857 3.714
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run19_ryff_respons
es_numbers.json codeblock 4.571 4.857 5.857 6.143 5.000 3.714
Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run20_ryff_respons
es_numbers.json codeblock 4.286 5.143 5.571 6.000 4.857 4.429

SUBSCALE EXTREMES ANALYSIS (Based on Subscale Averages):
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INDIVIDUAL FILE ANALYSIS:

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.json [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_variantA_codeblock_P1_run1_ryff_response
s_numbers.json [codeblock]:
Highest: Positive_Relations (6.143)
Lowest: Self_Acceptance (4.143)
Range: 2.000

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run2_ryff_response
s_numbers.json [codeblock]:
Highest: Personal_Growth (5.714)
Lowest: Self_Acceptance (4.000)
Range: 1.714

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run3_ryff_response
s_numbers.json [codeblock]:
Highest: Positive_Relations (6.143)
Lowest: Autonomy (4.429)
Range: 1.714

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run4_ryff_response
s_numbers.json [codeblock]:
Highest: Personal_Growth (6.000)
Lowest: Self_Acceptance (3.714)
Range: 2.286

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run5_ryff_response
s_numbers.json [codeblock]:
Highest: Personal_Growth (5.714)
Lowest: Self_Acceptance (3.571)
Range: 2.143

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run6_ryff_response
s_numbers.json [codeblock]:
Highest: Positive_Relations (6.286)
Lowest: Autonomy (4.714)
Range: 1.571

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run7_ryff_response
s_numbers.json [codeblock]:
Highest: Positive_Relations (6.000)
Lowest: Autonomy (4.000)
Range: 2.000

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run8_ryff_response
s_numbers.json [codeblock]:
Highest: Personal_Growth (5.857)
Lowest: Environmental_Mastery (4.286)
Range: 1.571

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run9_ryff_response
s_numbers.json [codeblock]:
Highest: Positive_Relations (6.143)
Lowest: Self_Acceptance (4.286)

Range: 1.857

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run10_ryff_respons
es_numbers.json [codeblock]:
Highest: Personal_Growth (6.000)
Lowest: Autonomy (3.857)
Range: 2.143

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run11_ryff_respons
es_numbers.json [codeblock]:
Highest: Personal_Growth (6.000)
Lowest: Self_Acceptance (4.000)
Range: 2.000

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run12_ryff_respons
es_numbers.json [codeblock]:
Highest: Personal_Growth (6.000)
Lowest: Self_Acceptance (4.286)
Range: 1.714

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run13_ryff_respons
es_numbers.json [codeblock]:
Highest: Personal_Growth (5.857)
Lowest: Autonomy (4.429)
Range: 1.429

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run14_ryff_respons
es_numbers.json [codeblock]:
Highest: Personal_Growth (6.143)
Lowest: Environmental_Mastery (4.143)
Range: 2.000

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run15_ryff_respons
es_numbers.json [codeblock]:
Highest: Personal_Growth (6.571)
Lowest: Self_Acceptance (4.143)
Range: 2.429

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run16_ryff_respons
es_numbers.json [codeblock]:
Highest: Positive_Relations (6.000)
Lowest: Self_Acceptance (4.143)
Range: 1.857

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run17_ryff_respons
es_numbers.json [codeblock]:
Highest: Personal_Growth (6.000)
Lowest: Autonomy (4.143)
Range: 1.857

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run18_ryff_respons
es_numbers.json [codeblock]:
Highest: Positive_Relations (5.857)
Lowest: Self_Acceptance (3.714)
Range: 2.143

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run19_ryff_respons
es_numbers.json [codeblock]:
Highest: Positive_Relations (6.143)
Lowest: Self_Acceptance (3.714)
Range: 2.429

Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run20_ryff_respons
es_numbers.json [codeblock]:
Highest: Positive_Relations (6.000)
Lowest: Autonomy (4.286)
Range: 1.714

OVERALL ANALYSIS ACROSS ALL FILES:

Average subscale scores across 40 files:
Personal_Growth : 5.798
Positive_Relations : 5.779

Purpose_in_Life : 5.137
Environmental_Mastery: 4.746
Self_Acceptance : 4.618
Autonomy : 4.389

OVERALL EXTREMES:

Highest scoring subscale: Personal_Growth (5.798)
Lowest scoring subscale: Autonomy (4.389)
Overall range: 1.409

PROCESSING SUMMARY:

Total files attempted: 40
Valid files for analysis: 40
Invalid files (excluded): 0
Success rate: 100.0%

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).

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_respon
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_respo
ses_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_resp
ses_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_resp
ses_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_resp
ses_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_respon
ses_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_respon
ses_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_respon
ses_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_respon
ses_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_respon
ses_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_respon
ses_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_respon
ses_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_respon
ses_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_respon
ses_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_respon
ses_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_variantA_codeblock_P1_ru
n1_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.134 --- Scores: (6, 5, 4, 4, 3, 4, 6)
✓ Environmental_Mastery: 1.496 --- Scores: (6, 5, 4, 7, 7, 5, 3)
✓ Personal_Growth : 1.155 --- Scores: (6, 7, 7, 4, 7, 5, 6)
✓ Positive_Relations : 0.690 --- Scores: (6, 5, 7, 7, 6, 6, 6)
✓ Purpose_in_Life : 1.952 --- Scores: (5, 6, 4, 6, 1, 5, 7)
■ Self_Acceptance : 2.410 --- Scores: (1, 7, 4, 6, 6, 4, 1)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n2_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.215 --- Scores: (6, 4, 6, 4, 5, 3, 6)
✓ Environmental_Mastery: 1.113 --- Scores: (6, 5, 6, 4, 7, 5, 4)
✓ Personal_Growth : 1.604 --- Scores: (6, 7, 7, 3, 7, 4, 6)
✓ Positive_Relations : 1.113 --- Scores: (5, 5, 7, 7, 4, 6, 6)
✓ Purpose_in_Life : 1.890 --- Scores: (5, 5, 4, 5, 1, 6, 7)
■ Self_Acceptance : 2.236 --- Scores: (1, 6, 6, 6, 4, 4, 1)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n3_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.976 --- Scores: (6, 5, 5, 3, 4, 4, 4)
✓ Environmental_Mastery: 0.816 --- Scores: (5, 5, 6, 6, 5, 4, 4)
✓ Personal_Growth : 1.397 --- Scores: (5, 7, 7, 4, 7, 5, 4)
✓ Positive_Relations : 1.069 --- Scores: (6, 6, 7, 7, 4, 7, 6)
■ Purpose_in_Life : 2.035 --- Scores: (6, 6, 4, 6, 1, 6, 7)
✓ Self_Acceptance : 1.826 --- Scores: (4, 7, 5, 6, 7, 4, 2)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n4_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.134 --- Scores: (5, 4, 5, 3, 5, 3, 6)
✓ Environmental_Mastery: 1.574 --- Scores: (6, 5, 7, 4, 7, 4, 3)
✓ Personal_Growth : 1.000 --- Scores: (6, 7, 6, 4, 7, 6, 6)
✓ Positive_Relations : 0.816 --- Scores: (5, 5, 7, 7, 6, 6, 6)
✓ Purpose_in_Life : 2.000 --- Scores: (6, 5, 4, 6, 1, 6, 7)
✓ Self_Acceptance : 1.976 --- Scores: (1, 3, 5, 7, 4, 4, 2)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n5_ryff_responses_numbers.json [codeblock]
Subscale Item Response Standard Deviations:
✓ Autonomy : 0.976 --- Scores: (4, 3, 5, 4, 5, 4, 6)
✓ Environmental_Mastery: 1.676 --- Scores: (6, 5, 4, 6, 7, 4, 2)
✓ Personal_Growth : 1.113 --- Scores: (6, 7, 5, 5, 7, 4, 6)
✓ Positive_Relations : 0.756 --- Scores: (6, 5, 5, 7, 5, 6, 6)
✓ Purpose_in_Life : 1.952 --- Scores: (5, 6, 4, 5, 1, 6, 7)
✓ Self_Acceptance : 1.988 --- Scores: (1, 6, 4, 5, 5, 3, 1)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n6_ryff_responses_numbers.json [codeblock]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.254 --- Scores: (6, 4, 4, 3, 6, 4, 6)
✓ Environmental_Mastery: 1.113 --- Scores: (6, 6, 5, 4, 5, 4, 3)
✓ Personal_Growth : 1.215 --- Scores: (7, 7, 5, 4, 7, 5, 6)
✓ Positive_Relations : 0.756 --- Scores: (6, 6, 7, 7, 5, 7, 6)
✓ Purpose_in_Life : 1.380 --- Scores: (5, 6, 4, 6, 3, 6, 7)
■ Self_Acceptance : 2.059 --- Scores: (3, 6, 6, 7, 5, 5, 1)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n7_ryff_responses_numbers.json [codeblock]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.155 --- Scores: (6, 3, 5, 3, 3, 4, 4)
✓ Environmental_Mastery: 1.272 --- Scores: (6, 5, 7, 6, 7, 4, 4)
✓ Personal_Growth : 1.704 --- Scores: (6, 7, 6, 2, 7, 6, 6)
✓ Positive_Relations : 0.816 --- Scores: (5, 6, 7, 7, 5, 6, 6)
■ Purpose_in_Life : 2.035 --- Scores: (6, 4, 4, 6, 1, 6, 7)
■ Self_Acceptance : 2.138 --- Scores: (1, 7, 5, 6, 4, 5, 2)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n8_ryff_responses_numbers.json [codeblock]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.272 --- Scores: (6, 3, 5, 4, 5, 3, 6)
■ Environmental_Mastery: 2.215 --- Scores: (6, 4, 6, 2, 7, 4, 1)
✓ Personal_Growth : 1.069 --- Scores: (6, 7, 6, 4, 7, 6, 5)
✓ Positive_Relations : 1.496 --- Scores: (6, 5, 7, 7, 3, 5, 4)
■ Purpose_in_Life : 2.160 --- Scores: (4, 4, 7, 6, 1, 6, 7)
✓ Self_Acceptance : 1.773 --- Scores: (2, 7, 6, 6, 5, 5, 3)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n9_ryff_responses_numbers.json [codeblock]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.380 --- Scores: (6, 3, 5, 4, 6, 3, 6)
■ Environmental_Mastery: 2.035 --- Scores: (6, 5, 6, 2, 7, 6, 2)
✓ Personal_Growth : 0.577 --- Scores: (6, 7, 6, 5, 6, 6, 6)
✓ Positive_Relations : 0.690 --- Scores: (6, 6, 7, 7, 6, 6, 5)
✓ Purpose_in_Life : 1.291 --- Scores: (6, 4, 4, 4, 4, 6, 7)
■ Self_Acceptance : 2.215 --- Scores: (2, 4, 6, 6, 7, 4, 1)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n10_ryff_responses_numbers.json [codeblock]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.574 --- Scores: (6, 3, 4, 3, 3, 2, 6)
✓ Environmental_Mastery: 1.155 --- Scores: (6, 5, 5, 7, 4, 4, 4)
✓ Personal_Growth : 1.155 --- Scores: (7, 7, 6, 4, 7, 5, 6)
✓ Positive_Relations : 1.272 --- Scores: (4, 5, 7, 7, 4, 6, 6)
✓ Purpose_in_Life : 1.952 --- Scores: (5, 6, 4, 5, 1, 6, 7)
✓ Self_Acceptance : 1.291 --- Scores: (2, 5, 4, 6, 4, 4, 3)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n11_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.756 --- Scores: (4, 3, 5, 4, 5, 4, 5)
- ✓ Environmental_Mastery: 1.676 --- Scores: (6, 5, 6, 4, 7, 4, 2)
- ✓ Personal_Growth : 1.528 --- Scores: (7, 7, 7, 3, 7, 5, 6)
- ✓ Positive_Relations : 1.113 --- Scores: (6, 5, 7, 7, 4, 6, 5)
- ✓ Purpose_in_Life : 1.976 --- Scores: (5, 6, 4, 4, 1, 6, 7)
- ✓ Self_Acceptance : 1.414 --- Scores: (2, 3, 5, 6, 4, 5, 3)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n12_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.134 --- Scores: (6, 3, 4, 4, 4, 5, 6)
- ✓ Environmental_Mastery: 1.826 --- Scores: (6, 5, 7, 4, 7, 4, 2)
- ✓ Personal_Growth : 1.155 --- Scores: (7, 7, 6, 4, 7, 5, 6)
- ✓ Positive_Relations : 1.215 --- Scores: (6, 4, 7, 7, 5, 7, 5)
- Purpose_in_Life : 2.035 --- Scores: (6, 6, 4, 6, 1, 6, 7)
- Self_Acceptance : 2.138 --- Scores: (3, 4, 5, 7, 7, 2, 2)
- ✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n13_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.272 --- Scores: (6, 3, 5, 4, 4, 3, 6)
- ✓ Environmental_Mastery: 1.799 --- Scores: (6, 3, 6, 5, 7, 4, 2)
- ✓ Personal_Growth : 1.345 --- Scores: (6, 7, 7, 4, 7, 4, 6)
- ✓ Positive_Relations : 1.069 --- Scores: (6, 4, 5, 7, 6, 7, 6)
- Purpose_in_Life : 2.035 --- Scores: (6, 6, 4, 6, 1, 6, 7)
- Self_Acceptance : 2.070 --- Scores: (1, 6, 5, 7, 4, 6, 3)
- ✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n14_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.756 --- Scores: (6, 4, 4, 4, 5, 5, 5)
- ✓ Environmental_Mastery: 1.773 --- Scores: (6, 5, 6, 3, 4, 4, 1)
- ✓ Personal_Growth : 1.069 --- Scores: (6, 7, 6, 4, 7, 6, 7)
- ✓ Positive_Relations : 1.069 --- Scores: (6, 4, 7, 7, 5, 6, 6)
- ✓ Purpose_in_Life : 1.464 --- Scores: (4, 6, 4, 6, 3, 6, 7)
- ✓ Self_Acceptance : 1.574 --- Scores: (4, 4, 5, 6, 5, 4, 1)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n15_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.900 --- Scores: (6, 4, 5, 4, 5, 4, 6)
- ✓ Environmental_Mastery: 1.813 --- Scores: (6, 6, 5, 6, 4, 4, 1)
- ✓ Personal_Growth : 0.535 --- Scores: (6, 7, 7, 7, 7, 6, 6)
- ✓ Positive_Relations : 0.756 --- Scores: (6, 6, 7, 7, 6, 7, 5)
- ✓ Purpose_in_Life : 1.915 --- Scores: (6, 5, 5, 5, 1, 6, 7)
- ✓ Self_Acceptance : 1.676 --- Scores: (4, 6, 5, 6, 4, 2, 2)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n16_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.397 --- Scores: (6, 4, 5, 4, 4, 2, 6)
- ✓ Environmental_Mastery: 1.000 --- Scores: (6, 6, 4, 6, 4, 5, 4)
- ✓ Personal_Growth : 1.069 --- Scores: (6, 7, 6, 4, 7, 5, 6)
- ✓ Positive_Relations : 0.577 --- Scores: (6, 5, 6, 7, 6, 6, 6)
- Purpose_in_Life : 2.116 --- Scores: (6, 6, 3, 5, 1, 6, 7)
- Self_Acceptance : 2.035 --- Scores: (1, 7, 5, 6, 4, 3, 3)
- ✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n17_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.345 --- Scores: (6, 2, 5, 4, 5, 3, 4)
- ✓ Environmental_Mastery: 1.000 --- Scores: (6, 6, 6, 4, 5, 4, 4)
- ✓ Personal_Growth : 1.000 --- Scores: (6, 7, 6, 4, 7, 6, 6)

✓ Positive_Relations : 1.618 --- Scores: (6, 4, 7, 7, 5, 7, 3)
■ Purpose_in_Life : 2.160 --- Scores: (7, 6, 4, 6, 1, 4, 7)
✓ Self_Acceptance : 1.704 --- Scores: (4, 4, 6, 6, 7, 4, 2)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n18_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.397 --- Scores: (6, 4, 5, 4, 4, 2, 6)
✓ Environmental_Mastery: 1.414 --- Scores: (6, 4, 6, 4, 7, 5, 3)
■ Personal_Growth : 2.149 --- Scores: (7, 7, 6, 1, 7, 6, 5)
✓ Positive_Relations : 0.900 --- Scores: (6, 5, 5, 7, 6, 7, 5)
✓ Purpose_in_Life : 1.952 --- Scores: (5, 6, 4, 5, 1, 6, 7)
✓ Self_Acceptance : 1.496 --- Scores: (4, 2, 3, 6, 4, 5, 2)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n19_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.976 --- Scores: (5, 3, 5, 4, 5, 4, 6)
✓ Environmental_Mastery: 1.773 --- Scores: (6, 6, 5, 3, 7, 5, 2)
✓ Personal_Growth : 1.215 --- Scores: (5, 7, 6, 7, 7, 4, 5)
✓ Positive_Relations : 0.690 --- Scores: (6, 5, 7, 7, 6, 6, 6)
■ Purpose_in_Life : 2.236 --- Scores: (5, 6, 3, 7, 1, 6, 7)
✓ Self_Acceptance : 1.604 --- Scores: (1, 3, 5, 6, 4, 4, 3)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_ru
n20_ryff_responses_numbers.json [codeblock]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.704 --- Scores: (6, 2, 5, 4, 6, 2, 5)
✓ Environmental_Mastery: 1.215 --- Scores: (6, 5, 4, 6, 7, 4, 4)
■ Personal_Growth : 2.149 --- Scores: (6, 7, 7, 1, 7, 5, 6)
✓ Positive_Relations : 0.816 --- Scores: (6, 5, 5, 7, 6, 7, 6)
✓ Purpose_in_Life : 1.952 --- Scores: (5, 5, 4, 6, 1, 6, 7)
✓ Self_Acceptance : 1.902 --- Scores: (4, 7, 5, 6, 4, 4, 1)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

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OVERALL CONSISTENCY SUMMARY

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Total valid files analyzed for consistency: 40

Breakdown by number of inconsistent scales per file:

- Files with exactly 1 inconsistent scale(s): 10
- Files with exactly 2 inconsistent scale(s): 6

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 CODEBLOCK

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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 (codeblock): Mean = 212.550, n = 20, SD = 4.839

Absolute difference between means: 2.550

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 = (Mean_GroupA - Mean_GroupB) / sqrt((Var_GroupA/n_GroupA)
+ (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 ≠ Mean of Group B's
Global Scores.
**Cohen's d Formula (for Welch's):** d = |Mean_GroupA - Mean_GroupB| / sqrt((SD_GroupA^2
+ SD_GroupB^2)/2)
```

STATISTICAL TEST RESULTS (Global Ryff Total Scores):
Test Performed: Welch's Two-sample t-test
t-statistic: -1.363
Degrees of freedom (df): 34.2
p-value: 0.182
Effect size (Cohen's d): 0.431

INTERPRETATION (Global Ryff Total Scores):
✓ NO STATISTICALLY SIGNIFICANT difference ($p \geq 0.10$)
No sufficient evidence that Global Ryff Total Scores differ between groups.
~ SMALL PRACTICAL EFFECT SIZE ($d \geq 0.2$)
The difference in Global Ryff Total Scores is minor, though might still be relevant
depending on context.

OVERALL ASSESSMENT (Global Ryff Total Scores):
✓ GROUPS ARE ESSENTIALLY EQUIVALENT: Neither statistically significant nor practically
important difference.
The AI's overall well-being assessments are consistent across these conditions.

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INITIATING SUBSCALE LEVEL COMPARISON...

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SUBSCALE LEVEL COMPARISON:

Subscale: Autonomy

Group A (baseline): Mean=4.314, SD=0.194 (n=20)
Group B (codeblock): Mean=4.464, SD=0.262 (n=20)
Absolute difference: 0.150
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: -2.058
Degrees of freedom: 35.1
p-value: 0.047
Effect size (Cohen's d): 0.651
■ Statistically Significant Difference ($p < 0.05$)
■ MEDIUM practical effect size ($d \geq 0.5$)

Subscale: Environmental_Mastery

Group A (baseline): Mean=4.579, SD=0.188 (n=20)
Group B (codeblock): Mean=4.914, SD=0.329 (n=20)
Absolute difference: 0.336
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: -3.961
Degrees of freedom: 30.2
p-value: 0.000
Effect size (Cohen's d): 1.253
■ 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 (codeblock): Mean=5.893, SD=0.231 (n=20)
Absolute difference: 0.190
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: -2.611
Degrees of freedom: 38.0
p-value: 0.013
Effect size (Cohen's d): 0.826
■ Statistically Significant Difference (p < 0.05)
■ LARGE practical effect size (d ≥ 0.8)

Subscale: Positive_Relations
Group A (baseline): Mean=5.650, SD=0.176 (n=20)
Group B (codeblock): Mean=5.907, SD=0.259 (n=20)
Absolute difference: 0.257
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: -3.668
Degrees of freedom: 33.5
p-value: 0.001
Effect size (Cohen's d): 1.160
■ Statistically Significant Difference (p < 0.05)
■ LARGE practical effect size (d ≥ 0.8)

Subscale: Purpose_in_Life
Group A (baseline): Mean=5.310, SD=0.344 (n=20)
Group B (codeblock): Mean=4.964, SD=0.153 (n=20)
Absolute difference: 0.345
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: 4.099
Degrees of freedom: 26.2
p-value: 0.000
Effect size (Cohen's d): 1.296
■ Statistically Significant Difference (p < 0.05)
■ LARGE practical effect size (d ≥ 0.8)

Subscale: Self_Acceptance
Group A (baseline): Mean=5.014, SD=0.079 (n=20)
Group B (codeblock): Mean=4.221, SD=0.400 (n=20)
Absolute difference: 0.793
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: 8.697
Degrees of freedom: 20.5
p-value: 0.000
Effect size (Cohen's d): 2.750
■ Statistically Significant Difference (p < 0.05)
■ LARGE practical effect size (d ≥ 0.8)

■ SUMMARY: SUBSCALES WITH STATISTICALLY SIGNIFICANT DIFFERENCES:

- Autonomy
- Environmental_Mastery
- Personal_Growth
- 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 (40 valid scores):

Mean: 211.275
Standard Deviation (SD): 5.983
Range: 188.000 - 222.000
Coefficient of Variation (CV): 0.028
✓ Very Low relative variability (extremely high overall similarity across files).

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

Autonomy: Mean=4.389, SD=0.240, CV=0.055
Environmental_Mastery: Mean=4.746, SD=0.314, CV=0.066
Personal_Growth: Mean=5.798, SD=0.247, CV=0.043
Positive_Relations: Mean=5.779, SD=0.255, CV=0.044
Purpose_in_Life: Mean=5.137, SD=0.316, CV=0.061
Self_Acceptance: Mean=4.618, SD=0.492, CV=0.107

Most variable subscale across files (highest CV): Self_Acceptance (CV: 0.107)
Least variable subscale across files (lowest CV): Personal_Growth (CV: 0.043)

OUTLIER ANALYSIS (Based on Global Ryff Total Scores):

■■■■ EXTREME OUTLIERS (|z-score| > 3.0) - Highly atypical Global Scores:
- Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run8_ryff_responses_numbers.json [baseline]: z-score=-3.89

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CROSS-FILE SIMILARITY SUMMARY:
Total valid files analyzed: 40
Overall Global Score consistency: VERY HIGH
Total outliers detected: 1

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COMPREHENSIVE ERROR ANALYSIS

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:

- **MISSING ITEMS:**** Expected item numbers (1-42) were not found in the JSON file.
- **NULL VALUES:**** An item was present, but its value was explicitly null (e.g., '"1": null').
- **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: 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_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run10_ryff_r
esponses_numbers.json [codeblock] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run11_ryff_r
esponses_numbers.json [codeblock] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run12_ryff_r
esponses_numbers.json [codeblock] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run13_ryff_r
esponses_numbers.json [codeblock] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run14_ryff_r
esponses_numbers.json [codeblock] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run15_ryff_r
esponses_numbers.json [codeblock] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run16_ryff_r
esponses_numbers.json [codeblock] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run17_ryff_r
esponses_numbers.json [codeblock] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run18_ryff_r
esponses_numbers.json [codeblock] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run19_ryff_r
esponses_numbers.json [codeblock] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7nondet_claude_3_7_sonnet_20250219_t07_variantA_codeblock_P1_run20_ryff_r
esponses_numbers.json [codeblock] - Status: VALID (0 errors)
No specific invalid entries found in this file.

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OVERALL ERROR ANALYSIS SUMMARY:
Total files analyzed: 40
Files marked as VALID: 40 (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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