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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

✗ Sonnet3.7_run5_numbers.json [dialogue] - INVALID FILE (41 errors)
This file exceeded the validity threshold (≥8 errors) and will be excluded from further analyses.
Example invalid entries: Item 2: null, Item 3: null, Item 4: null, Item 5: null, Item 6: null...

✗ Sonnet3.7_run6_numbers.json [dialogue] - INVALID FILE (12 errors)
This file exceeded the validity threshold (≥8 errors) and will be excluded from further analyses.
Example invalid entries: Item 1: null, Item 2: null, Item 3: null, Item 4: null, Item 5: null...

✓ Sonnet3.7_run20_numbers.json [dialogue] - VALID FILE
Calculated Global Ryff Total Score: 233.000
Number of errors/invalid entries detected: 3
Subscale Sums:
Autonomy: 34.000
Environmental_Mastery: 35.000
Personal_Growth: 36.000
Positive_Relations: 38.000

Purpose_in_Life: 48.000

Self_Acceptance: 42.000

Subscale Averages:

Autonomy: 4.857

Environmental_Mastery: 5.833

Personal_Growth: 6.000

Positive_Relations: 6.333

Purpose_in_Life: 6.857

Self_Acceptance: 6.000

✓ Sonnet3.7_run18_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 240.000

Number of errors/invalid entries detected: 2

Subscale Sums:

Autonomy: 30.000

Environmental_Mastery: 38.000

Personal_Growth: 44.000

Positive_Relations: 48.000

Purpose_in_Life: 35.000

Self_Acceptance: 45.000

Subscale Averages:

Autonomy: 5.000

Environmental_Mastery: 5.429

Personal_Growth: 6.286

Positive_Relations: 6.857

Purpose_in_Life: 5.833

Self_Acceptance: 6.429

✓ Sonnet3.7_run16_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 247.000

Number of errors/invalid entries detected: 1

Subscale Sums:

Autonomy: 33.000

Environmental_Mastery: 41.000

Personal_Growth: 37.000

Positive_Relations: 48.000

Purpose_in_Life: 43.000

Self_Acceptance: 45.000

Subscale Averages:

Autonomy: 4.714

Environmental_Mastery: 5.857

Personal_Growth: 6.167

Positive_Relations: 6.857

Purpose_in_Life: 6.143

Self_Acceptance: 6.429

✓ Sonnet3.7_run1_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 249.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 36.000

Environmental_Mastery: 38.000

Personal_Growth: 45.000

Positive_Relations: 45.000

Purpose_in_Life: 42.000

Self_Acceptance: 43.000

Subscale Averages:

Autonomy: 5.143

Environmental_Mastery: 5.429

Personal_Growth: 6.429

Positive_Relations: 6.429

Purpose_in_Life: 6.000

Self_Acceptance: 6.143

✓ Sonnet3.7_run2_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 252.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 32.000

Environmental_Mastery: 41.000

Personal_Growth: 44.000

Positive_Relations: 48.000

Purpose_in_Life: 42.000

Self_Acceptance: 45.000

Subscale Averages:

Autonomy: 4.571

Environmental_Mastery: 5.857

Personal_Growth: 6.286

Positive_Relations: 6.857

Purpose_in_Life: 6.000

Self_Acceptance: 6.429

✓ Sonnet3.7_run3_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 259.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 32.000

Environmental_Mastery: 42.000

Personal_Growth: 45.000

Positive_Relations: 48.000

Purpose_in_Life: 47.000

Self_Acceptance: 45.000

Subscale Averages:

Autonomy: 4.571

Environmental_Mastery: 6.000

Personal_Growth: 6.429

Positive_Relations: 6.857

Purpose_in_Life: 6.714

Self_Acceptance: 6.429

✓ Sonnet3.7_run4_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 258.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 39.000

Environmental_Mastery: 39.000

Personal_Growth: 45.000

Positive_Relations: 48.000

Purpose_in_Life: 43.000

Self_Acceptance: 44.000

Subscale Averages:

Autonomy: 5.571

Environmental_Mastery: 5.571

Personal_Growth: 6.429

Positive_Relations: 6.857

Purpose_in_Life: 6.143

Self_Acceptance: 6.286

✓ Sonnet3.7_run7_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 250.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 35.000

Environmental_Mastery: 39.000

Personal_Growth: 44.000

Positive_Relations: 45.000

Purpose_in_Life: 43.000

Self_Acceptance: 44.000

Subscale Averages:

Autonomy: 5.000

Environmental_Mastery: 5.571

Personal_Growth: 6.286

Positive_Relations: 6.429

Purpose_in_Life: 6.143

Self_Acceptance: 6.286

✓ Sonnet3.7_run8_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 259.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 37.000

Environmental_Mastery: 42.000

Personal_Growth: 44.000

Positive_Relations: 45.000

Purpose_in_Life: 48.000

Self_Acceptance: 43.000

Subscale Averages:

Autonomy: 5.286
Environmental_Mastery: 6.000
Personal_Growth: 6.286
Positive_Relations: 6.429
Purpose_in_Life: 6.857
Self_Acceptance: 6.143

✓ Sonnet3.7_run9_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 264.000
Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 38.000
Environmental_Mastery: 39.000
Personal_Growth: 47.000
Positive_Relations: 48.000
Purpose_in_Life: 48.000
Self_Acceptance: 44.000

Subscale Averages:

Autonomy: 5.429
Environmental_Mastery: 5.571
Personal_Growth: 6.714
Positive_Relations: 6.857
Purpose_in_Life: 6.857
Self_Acceptance: 6.286

✓ Sonnet3.7_run10_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 247.000
Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 32.000
Environmental_Mastery: 38.000
Personal_Growth: 45.000
Positive_Relations: 48.000
Purpose_in_Life: 42.000
Self_Acceptance: 42.000

Subscale Averages:

Autonomy: 4.571
Environmental_Mastery: 5.429
Personal_Growth: 6.429
Positive_Relations: 6.857
Purpose_in_Life: 6.000
Self_Acceptance: 6.000

✓ Sonnet3.7_run11_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 251.000
Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 41.000
Environmental_Mastery: 39.000
Personal_Growth: 43.000
Positive_Relations: 45.000
Purpose_in_Life: 43.000
Self_Acceptance: 40.000

Subscale Averages:

Autonomy: 5.857
Environmental_Mastery: 5.571
Personal_Growth: 6.143
Positive_Relations: 6.429
Purpose_in_Life: 6.143
Self_Acceptance: 5.714

✓ Sonnet3.7_run12_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 261.000
Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 37.000
Environmental_Mastery: 42.000
Personal_Growth: 44.000
Positive_Relations: 45.000
Purpose_in_Life: 48.000
Self_Acceptance: 45.000

Subscale Averages:

Autonomy: 5.286
 Environmental_Mastery: 6.000
 Personal_Growth: 6.286
 Positive_Relations: 6.429
 Purpose_in_Life: 6.857
 Self_Acceptance: 6.429

✓ Sonnet3.7_run13_numbers.json [dialogue] - VALID FILE
 Calculated Global Ryff Total Score: 260.000
 Number of errors/invalid entries detected: 0
 Subscale Sums:
 Autonomy: 39.000
 Environmental_Mastery: 38.000
 Personal_Growth: 45.000
 Positive_Relations: 45.000
 Purpose_in_Life: 48.000
 Self_Acceptance: 45.000
 Subscale Averages:
 Autonomy: 5.571
 Environmental_Mastery: 5.429
 Personal_Growth: 6.429
 Positive_Relations: 6.429
 Purpose_in_Life: 6.857
 Self_Acceptance: 6.429

✓ Sonnet3.7_run14_numbers.json [dialogue] - VALID FILE
 Calculated Global Ryff Total Score: 264.000
 Number of errors/invalid entries detected: 0
 Subscale Sums:
 Autonomy: 38.000
 Environmental_Mastery: 41.000
 Personal_Growth: 44.000
 Positive_Relations: 48.000
 Purpose_in_Life: 48.000
 Self_Acceptance: 45.000
 Subscale Averages:
 Autonomy: 5.429
 Environmental_Mastery: 5.857
 Personal_Growth: 6.286
 Positive_Relations: 6.857
 Purpose_in_Life: 6.857
 Self_Acceptance: 6.429

✓ Sonnet3.7_run15_numbers.json [dialogue] - VALID FILE
 Calculated Global Ryff Total Score: 259.000
 Number of errors/invalid entries detected: 0
 Subscale Sums:
 Autonomy: 37.000
 Environmental_Mastery: 39.000
 Personal_Growth: 45.000
 Positive_Relations: 45.000
 Purpose_in_Life: 49.000
 Self_Acceptance: 44.000
 Subscale Averages:
 Autonomy: 5.286
 Environmental_Mastery: 5.571
 Personal_Growth: 6.429
 Positive_Relations: 6.429
 Purpose_in_Life: 7.000
 Self_Acceptance: 6.286

✓ Sonnet3.7_run17_numbers.json [dialogue] - VALID FILE
 Calculated Global Ryff Total Score: 254.000
 Number of errors/invalid entries detected: 0
 Subscale Sums:
 Autonomy: 35.000
 Environmental_Mastery: 39.000
 Personal_Growth: 44.000
 Positive_Relations: 48.000
 Purpose_in_Life: 47.000
 Self_Acceptance: 41.000
 Subscale Averages:
 Autonomy: 5.000

Environmental_Mastery: 5.571
Personal_Growth: 6.286
Positive_Relations: 6.857
Purpose_in_Life: 6.714
Self_Acceptance: 5.857

✓ Sonnet3.7_run19_numbers.json [dialogue] - VALID FILE

Calculated Global Ryff Total Score: 249.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 36.000

Environmental_Mastery: 38.000

Personal_Growth: 40.000

Positive_Relations: 48.000

Purpose_in_Life: 43.000

Self_Acceptance: 44.000

Subscale Averages:

Autonomy: 5.143

Environmental_Mastery: 5.429

Personal_Growth: 5.714

Positive_Relations: 6.857

Purpose_in_Life: 6.143

Self_Acceptance: 6.286

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

=====

Filename Label Total Score

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run8_ryff_responses_numbers.json
n baseline 188.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run1_ryff_responses_numbers.json
n baseline 207.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run3_ryff_responses_numbers.json
n baseline 206.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run4_ryff_responses_numbers.json
n baseline 213.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run6_ryff_responses_numbers.json
n baseline 212.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run7_ryff_responses_numbers.json
n baseline 208.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run9_ryff_responses_numbers.json
n baseline 215.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run11_ryff_responses_numbers.js
on baseline 209.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run12_ryff_responses_numbers.js
on baseline 214.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run16_ryff_responses_numbers.js
on baseline 208.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run17_ryff_responses_numbers.js
on baseline 208.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run18_ryff_responses_numbers.js
on baseline 203.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run19_ryff_responses_numbers.js
on baseline 210.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run2_ryff_responses_numbers.json
n baseline 209.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run5_ryff_responses_numbers.json
n baseline 214.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run10_ryff_responses_numbers.js
on baseline 222.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run13_ryff_responses_numbers.js
on baseline 217.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run14_ryff_responses_numbers.js
on baseline 211.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run15_ryff_responses_numbers.js
on baseline 209.000

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run20_ryff_responses_numbers.js
on baseline 217.000

Sonnet3.7_run20_numbers.json dialogue 233.000

Sonnet3.7_run18_numbers.json dialogue 240.000

Sonnet3.7_run16_numbers.json dialogue 247.000

Sonnet3.7_run1_numbers.json dialogue 249.000

Sonnet3.7_run2_numbers.json dialogue 252.000
 Sonnet3.7_run3_numbers.json dialogue 259.000
 Sonnet3.7_run4_numbers.json dialogue 258.000
 Sonnet3.7_run7_numbers.json dialogue 250.000
 Sonnet3.7_run8_numbers.json dialogue 259.000
 Sonnet3.7_run9_numbers.json dialogue 264.000
 Sonnet3.7_run10_numbers.json dialogue 247.000
 Sonnet3.7_run11_numbers.json dialogue 251.000
 Sonnet3.7_run12_numbers.json dialogue 261.000
 Sonnet3.7_run13_numbers.json dialogue 260.000
 Sonnet3.7_run14_numbers.json dialogue 264.000
 Sonnet3.7_run15_numbers.json dialogue 259.000
 Sonnet3.7_run17_numbers.json dialogue 254.000
 Sonnet3.7_run19_numbers.json dialogue 249.000

SUBSCALE SUMS TABLE:

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=====
Filename Label Autonomy Environm Personal Positive Purpose_ Self_Acc
-----
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run8_ryff_responses_numbers.jso
n baseline 27.000 32.000 26.000 38.000 30.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run1_ryff_responses_numbers.jso
n baseline 33.000 29.000 38.000 40.000 32.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run3_ryff_responses_numbers.jso
n baseline 30.000 32.000 39.000 41.000 30.000 34.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run4_ryff_responses_numbers.jso
n baseline 31.000 32.000 40.000 39.000 36.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run6_ryff_responses_numbers.jso
n baseline 30.000 34.000 41.000 39.000 32.000 36.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run7_ryff_responses_numbers.jso
n baseline 30.000 33.000 37.000 40.000 32.000 36.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run9_ryff_responses_numbers.jso
n baseline 31.000 33.000 42.000 40.000 34.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run11_ryff_responses_numbers.js
on baseline 29.000 35.000 40.000 38.000 33.000 34.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run12_ryff_responses_numbers.js
on baseline 30.000 33.000 42.000 40.000 33.000 36.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run16_ryff_responses_numbers.js
on baseline 29.000 31.000 41.000 40.000 32.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run17_ryff_responses_numbers.js
on baseline 29.000 32.000 39.000 41.000 32.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run18_ryff_responses_numbers.js
on baseline 29.000 32.000 40.000 38.000 29.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run19_ryff_responses_numbers.js
on baseline 31.000 32.000 40.000 41.000 31.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run2_ryff_responses_numbers.jso
n baseline 29.000 31.000 39.000 37.000 38.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run5_ryff_responses_numbers.jso
n baseline 32.000 30.000 42.000 40.000 35.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run10_ryff_responses_numbers.js
on baseline 31.000 32.000 41.000 41.000 42.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run13_ryff_responses_numbers.js
on baseline 32.000 31.000 42.000 41.000 36.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run14_ryff_responses_numbers.js
on baseline 30.000 32.000 39.000 40.000 35.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run15_ryff_responses_numbers.js
on baseline 30.000 33.000 40.000 38.000 33.000 35.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run20_ryff_responses_numbers.js
on baseline 31.000 32.000 40.000 39.000 39.000 36.000
Sonnet3.7_run20_numbers.json dialogue 34.000 35.000 36.000 38.000 48.000 42.000
Sonnet3.7_run18_numbers.json dialogue 30.000 38.000 44.000 48.000 35.000 45.000
Sonnet3.7_run16_numbers.json dialogue 33.000 41.000 37.000 48.000 43.000 45.000
Sonnet3.7_run1_numbers.json dialogue 36.000 38.000 45.000 45.000 42.000 43.000
Sonnet3.7_run2_numbers.json dialogue 32.000 41.000 44.000 48.000 42.000 45.000
Sonnet3.7_run3_numbers.json dialogue 32.000 42.000 45.000 48.000 47.000 45.000
Sonnet3.7_run4_numbers.json dialogue 39.000 39.000 45.000 48.000 43.000 44.000
Sonnet3.7_run7_numbers.json dialogue 35.000 39.000 44.000 45.000 43.000 44.000
Sonnet3.7_run8_numbers.json dialogue 37.000 42.000 44.000 45.000 48.000 43.000
Sonnet3.7_run9_numbers.json dialogue 38.000 39.000 47.000 48.000 48.000 44.000
Sonnet3.7_run10_numbers.json dialogue 32.000 38.000 45.000 48.000 42.000 42.000
  
```

Sonnet3.7_run11_numbers.json	dialogue	41.000	39.000	43.000	45.000	43.000	40.000
Sonnet3.7_run12_numbers.json	dialogue	37.000	42.000	44.000	45.000	48.000	45.000
Sonnet3.7_run13_numbers.json	dialogue	39.000	38.000	45.000	45.000	48.000	45.000
Sonnet3.7_run14_numbers.json	dialogue	38.000	41.000	44.000	48.000	48.000	45.000
Sonnet3.7_run15_numbers.json	dialogue	37.000	39.000	45.000	45.000	49.000	44.000
Sonnet3.7_run17_numbers.json	dialogue	35.000	39.000	44.000	48.000	47.000	41.000
Sonnet3.7_run19_numbers.json	dialogue	36.000	38.000	40.000	48.000	43.000	44.000

SUBSCALE AVERAGES TABLE:

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=====
Filename Label Autonomy Environm Personal Positive Purpose_ Self_Acc
-----
-----
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run8_ryff_responses_numbers.js
n baseline 3.857 4.571 5.200 5.429 5.000 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run1_ryff_responses_numbers.js
n baseline 4.714 4.143 5.429 5.714 5.333 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run3_ryff_responses_numbers.js
n baseline 4.286 4.571 5.571 5.857 5.000 4.857
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run4_ryff_responses_numbers.js
n baseline 4.429 4.571 5.714 5.571 6.000 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run6_ryff_responses_numbers.js
n baseline 4.286 4.857 5.857 5.571 5.333 5.143
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run7_ryff_responses_numbers.js
n baseline 4.286 4.714 5.286 5.714 5.333 5.143
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run9_ryff_responses_numbers.js
n baseline 4.429 4.714 6.000 5.714 5.667 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run11_ryff_responses_numbers.js
on baseline 4.143 5.000 5.714 5.429 5.500 4.857
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run12_ryff_responses_numbers.js
on baseline 4.286 4.714 6.000 5.714 5.500 5.143
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run16_ryff_responses_numbers.js
on baseline 4.143 4.429 5.857 5.714 5.333 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run17_ryff_responses_numbers.js
on baseline 4.143 4.571 5.571 5.857 5.333 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run18_ryff_responses_numbers.js
on baseline 4.143 4.571 5.714 5.429 4.833 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run19_ryff_responses_numbers.js
on baseline 4.429 4.571 5.714 5.857 5.167 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run2_ryff_responses_numbers.js
on baseline 4.143 4.429 5.571 5.286 5.429 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run5_ryff_responses_numbers.js
n baseline 4.571 4.286 6.000 5.714 5.000 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run10_ryff_responses_numbers.js
on baseline 4.429 4.571 5.857 5.857 6.000 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run13_ryff_responses_numbers.js
on baseline 4.571 4.429 6.000 5.857 5.143 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run14_ryff_responses_numbers.js
on baseline 4.286 4.571 5.571 5.714 5.000 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run15_ryff_responses_numbers.js
on baseline 4.286 4.714 5.714 5.429 4.714 5.000
Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run20_ryff_responses_numbers.js
on baseline 4.429 4.571 5.714 5.571 5.571 5.143
Sonnet3.7_run20_numbers.json dialogue 4.857 5.833 6.000 6.333 6.857 6.000
Sonnet3.7_run18_numbers.json dialogue 5.000 5.429 6.286 6.857 5.833 6.429
Sonnet3.7_run16_numbers.json dialogue 4.714 5.857 6.167 6.857 6.143 6.429
Sonnet3.7_run1_numbers.json dialogue 5.143 5.429 6.429 6.429 6.000 6.143
Sonnet3.7_run2_numbers.json dialogue 4.571 5.857 6.286 6.857 6.000 6.429
Sonnet3.7_run3_numbers.json dialogue 4.571 6.000 6.429 6.857 6.714 6.429
Sonnet3.7_run4_numbers.json dialogue 5.571 5.571 6.429 6.857 6.143 6.286
Sonnet3.7_run7_numbers.json dialogue 5.000 5.571 6.286 6.429 6.143 6.286
Sonnet3.7_run8_numbers.json dialogue 5.286 6.000 6.286 6.429 6.857 6.143
Sonnet3.7_run9_numbers.json dialogue 5.429 5.571 6.714 6.857 6.857 6.286
Sonnet3.7_run10_numbers.json dialogue 4.571 5.429 6.429 6.857 6.000 6.000
Sonnet3.7_run11_numbers.json dialogue 5.857 5.571 6.143 6.429 6.143 5.714
Sonnet3.7_run12_numbers.json dialogue 5.286 6.000 6.286 6.429 6.857 6.429
Sonnet3.7_run13_numbers.json dialogue 5.571 5.429 6.429 6.429 6.857 6.429
Sonnet3.7_run14_numbers.json dialogue 5.429 5.857 6.286 6.857 6.857 6.429
Sonnet3.7_run15_numbers.json dialogue 5.286 5.571 6.429 6.429 7.000 6.286
Sonnet3.7_run17_numbers.json dialogue 5.000 5.571 6.286 6.857 6.714 5.857
Sonnet3.7_run19_numbers.json dialogue 5.143 5.429 5.714 6.857 6.143 6.286

```

SUBSCALE EXTREMES ANALYSIS (Based on Subscale Averages):
=====

INDIVIDUAL FILE ANALYSIS:

Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run8_ryff_responses_numbers.json [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.json [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.json [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.json [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.json [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.json [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.json [baseline]:
Highest: Personal_Growth (5.714)
Lowest: Autonomy (4.429)
Range: 1.286

Sonnet3.7_run20_numbers.json [dialogue]:
Highest: Purpose_in_Life (6.857)
Lowest: Autonomy (4.857)
Range: 2.000

Sonnet3.7_run18_numbers.json [dialogue]:
Highest: Positive_Relations (6.857)
Lowest: Autonomy (5.000)
Range: 1.857

Sonnet3.7_run16_numbers.json [dialogue]:
Highest: Positive_Relations (6.857)
Lowest: Autonomy (4.714)
Range: 2.143

Sonnet3.7_run1_numbers.json [dialogue]:
Highest: Personal_Growth (6.429)
Lowest: Autonomy (5.143)
Range: 1.286

Sonnet3.7_run2_numbers.json [dialogue]:
Highest: Positive_Relations (6.857)

Lowest: Autonomy (4.571)
Range: 2.286

Sonnet3.7_run3_numbers.json [dialogue]:
Highest: Positive_Relations (6.857)
Lowest: Autonomy (4.571)
Range: 2.286

Sonnet3.7_run4_numbers.json [dialogue]:
Highest: Positive_Relations (6.857)
Lowest: Autonomy (5.571)
Range: 1.286

Sonnet3.7_run7_numbers.json [dialogue]:
Highest: Positive_Relations (6.429)
Lowest: Autonomy (5.000)
Range: 1.429

Sonnet3.7_run8_numbers.json [dialogue]:
Highest: Purpose_in_Life (6.857)
Lowest: Autonomy (5.286)
Range: 1.571

Sonnet3.7_run9_numbers.json [dialogue]:
Highest: Positive_Relations (6.857)
Lowest: Autonomy (5.429)
Range: 1.429

Sonnet3.7_run10_numbers.json [dialogue]:
Highest: Positive_Relations (6.857)
Lowest: Autonomy (4.571)
Range: 2.286

Sonnet3.7_run11_numbers.json [dialogue]:
Highest: Positive_Relations (6.429)
Lowest: Environmental_Mastery (5.571)
Range: 0.857

Sonnet3.7_run12_numbers.json [dialogue]:
Highest: Purpose_in_Life (6.857)
Lowest: Autonomy (5.286)
Range: 1.571

Sonnet3.7_run13_numbers.json [dialogue]:
Highest: Purpose_in_Life (6.857)
Lowest: Environmental_Mastery (5.429)
Range: 1.429

Sonnet3.7_run14_numbers.json [dialogue]:
Highest: Positive_Relations (6.857)
Lowest: Autonomy (5.429)
Range: 1.429

Sonnet3.7_run15_numbers.json [dialogue]:
Highest: Purpose_in_Life (7.000)
Lowest: Autonomy (5.286)
Range: 1.714

Sonnet3.7_run17_numbers.json [dialogue]:
Highest: Positive_Relations (6.857)
Lowest: Autonomy (5.000)
Range: 1.857

Sonnet3.7_run19_numbers.json [dialogue]:
Highest: Positive_Relations (6.857)
Lowest: Autonomy (5.143)
Range: 1.714

OVERALL ANALYSIS ACROSS ALL FILES:

Average subscale scores across 38 files:
Positive_Relations : 6.129
Personal_Growth : 5.983
Purpose_in_Life : 5.850

Self_Acceptance : 5.594
Environmental_Mastery: 5.093
Autonomy : 4.699

OVERALL EXTREMES:
Highest scoring subscale: Positive_Relations (6.129)
Lowest scoring subscale: Autonomy (4.699)
Overall range: 1.430

=====
PROCESSING SUMMARY:
Total files attempted: 40
Valid files for analysis: 38
Invalid files (excluded): 2
Success rate: 95.0%
=====

=====
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_respo
nse_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
nse_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
nse_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
nse_numbers.json [baseline]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.272 --- Scores: (6, 4, 4, 5, 3, 3, 6)
✓ Environmental_Mastery: 1.134 --- Scores: (6, 5, 4, 6, 4, 4, 3)

✓ Personal_Growth : 1.254 --- Scores: (5, 7, 7, 4, 7, 5, 5)
✓ Positive_Relations : 1.512 --- Scores: (6, 3, 4, 7, 6, 7, 6)
✓ Purpose_in_Life : 1.265 --- Scores: (7, 7, 4, 6, 5, 7)
✓ Self_Acceptance : 1.000 --- Scores: (6, 6, 4, 6, 4, 5, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run6_ryff_respo
nses_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
nses_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
nses_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
onses_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
onses_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
onses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.464 --- Scores: (6, 3, 5, 3, 3, 3, 6)
✓ Environmental_Mastery: 1.134 --- Scores: (6, 4, 4, 6, 4, 4, 3)
✓ Personal_Growth : 1.069 --- Scores: (6, 7, 6, 4, 7, 6, 5)
✓ Positive_Relations : 1.254 --- Scores: (6, 4, 4, 7, 6, 7, 6)
✓ Purpose_in_Life : 1.211 --- Scores: (5, 6, 4, 4, 6, 7)
✓ Self_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run17_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.574 --- Scores: (6, 3, 4, 5, 3, 2, 6)
- ✓ Environmental_Mastery: 0.976 --- Scores: (6, 4, 4, 6, 4, 4, 4)
- ✓ Personal_Growth : 1.272 --- Scores: (6, 7, 6, 4, 7, 5, 4)
- ✓ Positive_Relations : 1.069 --- Scores: (6, 5, 4, 7, 6, 7, 6)
- ✓ Purpose_in_Life : 1.211 --- Scores: (5, 6, 4, 4, 6, 7)
- ✓ Self_Acceptance : 1.000 --- Scores: (6, 6, 4, 6, 4, 5, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run18_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.345 --- Scores: (6, 4, 4, 3, 3, 3, 6)
- ✓ Environmental_Mastery: 1.134 --- Scores: (6, 5, 4, 6, 4, 4, 3)
- ✓ Personal_Growth : 1.113 --- Scores: (6, 7, 6, 4, 7, 5, 5)
- ✓ Positive_Relations : 1.134 --- Scores: (6, 4, 4, 7, 5, 6, 6)
- ✓ Purpose_in_Life : 0.983 --- Scores: (5, 6, 4, 4, 6, 4)
- ✓ Self_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run19_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.397 --- Scores: (6, 4, 4, 5, 4, 2, 6)
- ✓ Environmental_Mastery: 1.134 --- Scores: (6, 5, 4, 6, 4, 4, 3)
- ✓ Personal_Growth : 1.113 --- Scores: (6, 7, 6, 4, 7, 5, 5)
- ✓ Positive_Relations : 1.345 --- Scores: (6, 4, 4, 7, 6, 7, 7)
- ✓ Purpose_in_Life : 1.329 --- Scores: (4, 6, 4, 4, 6, 7)
- ✓ Self_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run2_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.574 --- Scores: (6, 3, 4, 5, 3, 2, 6)
- ✓ Environmental_Mastery: 1.134 --- Scores: (6, 4, 4, 6, 4, 4, 3)
- ✓ Personal_Growth : 1.272 --- Scores: (6, 7, 6, 4, 7, 5, 4)
- ✓ Positive_Relations : 1.380 --- Scores: (6, 3, 4, 7, 5, 6, 6)
- ✓ Purpose_in_Life : 1.272 --- Scores: (5, 6, 4, 4, 7, 5, 7)
- ✓ Self_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run5_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.272 --- Scores: (6, 3, 4, 5, 5, 3, 6)
- ✓ Environmental_Mastery: 1.976 --- Scores: (6, 5, 4, 7, 4, 1, 3)
- ✓ Personal_Growth : 1.155 --- Scores: (6, 7, 7, 4, 7, 6, 5)
- ✓ Positive_Relations : 1.113 --- Scores: (6, 5, 4, 7, 5, 7, 6)
- ✓ Purpose_in_Life : 2.000 --- Scores: (6, 6, 4, 5, 1, 6, 7)
- ✓ Self_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run10_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.272 --- Scores: (6, 3, 4, 5, 4, 3, 6)
- ✓ Environmental_Mastery: 1.134 --- Scores: (6, 5, 4, 6, 4, 4, 3)
- ✓ Personal_Growth : 1.215 --- Scores: (6, 7, 7, 4, 7, 5, 5)
- ✓ Positive_Relations : 1.069 --- Scores: (6, 5, 4, 7, 6, 7, 6)
- ✓ Purpose_in_Life : 1.414 --- Scores: (7, 7, 4, 4, 7, 6, 7)
- ✓ Self_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run13_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 1.134 --- Scores: (6, 4, 4, 5, 4, 3, 6)
- ✓ Environmental_Mastery: 1.134 --- Scores: (6, 4, 4, 6, 4, 4, 3)
- ✓ Personal_Growth : 1.155 --- Scores: (7, 7, 6, 4, 7, 6, 5)
- ✓ Positive_Relations : 1.069 --- Scores: (6, 5, 4, 7, 6, 7, 6)

✓ Purpose_in_Life : 1.215 --- Scores: (4, 6, 5, 4, 4, 6, 7)
✓ Self_Acceptance : 1.291 --- Scores: (7, 6, 4, 6, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run14_ryff_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).

Sonnet3.7_run5_numbers.json [dialogue]: SKIPPED (marked as INVALID in processing
stage).

Sonnet3.7_run6_numbers.json [dialogue]: SKIPPED (marked as INVALID in processing
stage).

ANALYZING FILE: Sonnet3.7_run20_numbers.json [dialogue]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.864 --- Scores: (4, 3, 6, 6, 2, 7, 6)
■ Environmental_Mastery: 2.401 --- Scores: (7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.549 --- Scores: (7, 7, 4, 7, 7, 4)
✓ Positive_Relations : 1.211 --- Scores: (6, 7, 7, 7, 7, 4)
✓ Purpose_in_Life : 0.378 --- Scores: (7, 7, 7, 7, 7, 6, 7)
■ Self_Acceptance : 2.236 --- Scores: (6, 7, 7, 7, 7, 7, 1)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run18_numbers.json [dialogue]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.549 --- Scores: (6, 3, 4, 4, 7, 6)
■ Environmental_Mastery: 2.440 --- Scores: (3, 7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.254 --- Scores: (7, 7, 7, 4, 7, 7, 5)
✓ Positive_Relations : 0.378 --- Scores: (6, 7, 7, 7, 7, 7, 7)
■ Purpose_in_Life : 2.401 --- Scores: (7, 7, 7, 6, 1, 7)
✓ Self_Acceptance : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run16_numbers.json [dialogue]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.799 --- Scores: (4, 3, 5, 6, 2, 7, 6)
■ Environmental_Mastery: 2.193 --- Scores: (6, 7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.329 --- Scores: (7, 7, 7, 4, 7, 5)
✓ Positive_Relations : 0.378 --- Scores: (6, 7, 7, 7, 7, 7, 7)
■ Purpose_in_Life : 2.268 --- Scores: (7, 7, 7, 7, 1, 7, 7)
✓ Self_Acceptance : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run1_numbers.json [dialogue]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.864 --- Scores: (6, 3, 2, 6, 6, 7, 6)
■ Environmental_Mastery: 2.440 --- Scores: (3, 7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.134 --- Scores: (7, 7, 7, 4, 7, 7, 6)
✓ Positive_Relations : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
■ Purpose_in_Life : 2.236 --- Scores: (7, 7, 7, 7, 1, 6, 7)
✓ Self_Acceptance : 1.069 --- Scores: (6, 6, 7, 6, 7, 7, 4)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run2_numbers.json [dialogue]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.988 --- Scores: (4, 2, 5, 6, 2, 7, 6)
■ Environmental_Mastery: 2.193 --- Scores: (6, 7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.254 --- Scores: (7, 7, 7, 4, 7, 7, 5)
✓ Positive_Relations : 0.378 --- Scores: (6, 7, 7, 7, 7, 7, 7)
■ Purpose_in_Life : 2.236 --- Scores: (7, 7, 7, 7, 1, 6, 7)
✓ Self_Acceptance : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run3_numbers.json [dialogue]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.902 --- Scores: (3, 3, 5, 6, 2, 7, 6)
■ Environmental_Mastery: 2.236 --- Scores: (6, 7, 7, 7, 7, 7, 1)
✓ Personal_Growth : 1.134 --- Scores: (7, 7, 7, 4, 7, 7, 6)
✓ Positive_Relations : 0.378 --- Scores: (6, 7, 7, 7, 7, 7, 7)
✓ Purpose_in_Life : 0.756 --- Scores: (7, 7, 7, 5, 7, 7, 7)
✓ Self_Acceptance : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run4_numbers.json [dialogue]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.618 --- Scores: (6, 2, 6, 6, 6, 7, 6)
■ Environmental_Mastery: 2.299 --- Scores: (4, 7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.134 --- Scores: (7, 7, 7, 4, 7, 7, 6)
✓ Positive_Relations : 0.378 --- Scores: (6, 7, 7, 7, 7, 7, 7)
■ Purpose_in_Life : 2.268 --- Scores: (7, 7, 7, 7, 1, 7, 7)
✓ Self_Acceptance : 1.496 --- Scores: (6, 7, 7, 7, 7, 7, 3)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run7_numbers.json [dialogue]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.826 --- Scores: (6, 3, 5, 6, 2, 7, 6)
■ Environmental_Mastery: 2.299 --- Scores: (4, 7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.254 --- Scores: (7, 7, 7, 4, 7, 7, 5)
✓ Positive_Relations : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
■ Purpose_in_Life : 2.268 --- Scores: (7, 7, 7, 7, 1, 7, 7)
✓ Self_Acceptance : 1.496 --- Scores: (6, 7, 7, 7, 7, 7, 3)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run8_numbers.json [dialogue]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.976 --- Scores: (6, 1, 5, 6, 6, 7, 6)
■ Environmental_Mastery: 2.236 --- Scores: (6, 7, 7, 7, 7, 7, 1)
✓ Personal_Growth : 1.254 --- Scores: (7, 7, 7, 4, 7, 7, 5)
✓ Positive_Relations : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
✓ Purpose_in_Life : 0.378 --- Scores: (7, 7, 7, 7, 7, 6, 7)
✓ Self_Acceptance : 1.464 --- Scores: (6, 6, 7, 7, 7, 7, 3)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run9_numbers.json [dialogue]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.272 --- Scores: (6, 3, 5, 6, 5, 7, 6)
■ Environmental_Mastery: 2.507 --- Scores: (3, 7, 7, 7, 7, 7, 1)
✓ Personal_Growth : 0.756 --- Scores: (7, 7, 7, 7, 7, 7, 5)
✓ Positive_Relations : 0.378 --- Scores: (6, 7, 7, 7, 7, 7, 7)
✓ Purpose_in_Life : 0.378 --- Scores: (7, 7, 7, 6, 7, 7, 7)
✓ Self_Acceptance : 1.113 --- Scores: (6, 7, 7, 6, 7, 7, 4)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run10_numbers.json [dialogue]
Subscale Item Response Standard Deviations:
✓ Autonomy : 1.813 --- Scores: (4, 3, 4, 6, 2, 7, 6)

■ Environmental_Mastery: 2.440 --- Scores: (3, 7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.134 --- Scores: (7, 7, 7, 4, 7, 7, 6)
✓ Positive_Relations : 0.378 --- Scores: (6, 7, 7, 7, 7, 7, 7)
■ Purpose_in_Life : 2.236 --- Scores: (7, 7, 7, 7, 1, 6, 7)
■ Self_Acceptance : 2.236 --- Scores: (6, 7, 7, 7, 7, 7, 1)
■ This file is considered GLOBALLY INCONSISTENT (3 inconsistent scales found, exceeds threshold of 2).

ANALYZING FILE: Sonnet3.7_run11_numbers.json [dialogue]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.345 --- Scores: (6, 3, 6, 6, 7, 7, 6)
■ Environmental_Mastery: 2.507 --- Scores: (3, 7, 7, 7, 7, 7, 1)
■ Personal_Growth : 2.268 --- Scores: (7, 7, 7, 1, 7, 7, 7)
✓ Positive_Relations : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
■ Purpose_in_Life : 2.268 --- Scores: (7, 7, 7, 7, 1, 7, 7)
■ Self_Acceptance : 2.138 --- Scores: (6, 6, 7, 6, 7, 7, 1)
■ This file is considered GLOBALLY INCONSISTENT (4 inconsistent scales found, exceeds threshold of 2).

ANALYZING FILE: Sonnet3.7_run12_numbers.json [dialogue]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.604 --- Scores: (6, 2, 5, 6, 5, 7, 6)
■ Environmental_Mastery: 2.236 --- Scores: (6, 7, 7, 7, 7, 7, 1)
✓ Personal_Growth : 1.254 --- Scores: (7, 7, 7, 4, 7, 7, 5)
✓ Positive_Relations : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
✓ Purpose_in_Life : 0.378 --- Scores: (7, 7, 7, 7, 7, 6, 7)
✓ Self_Acceptance : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run13_numbers.json [dialogue]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.976 --- Scores: (6, 4, 5, 6, 5, 7, 6)
■ Environmental_Mastery: 2.440 --- Scores: (3, 7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.134 --- Scores: (7, 7, 7, 4, 7, 7, 6)
✓ Positive_Relations : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
✓ Purpose_in_Life : 0.378 --- Scores: (7, 7, 7, 7, 7, 6, 7)
✓ Self_Acceptance : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run14_numbers.json [dialogue]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.618 --- Scores: (6, 2, 5, 6, 6, 7, 6)
■ Environmental_Mastery: 2.193 --- Scores: (6, 7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.254 --- Scores: (7, 7, 7, 4, 7, 7, 5)
✓ Positive_Relations : 0.378 --- Scores: (6, 7, 7, 7, 7, 7, 7)
✓ Purpose_in_Life : 0.378 --- Scores: (7, 7, 7, 7, 7, 6, 7)
✓ Self_Acceptance : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run15_numbers.json [dialogue]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.380 --- Scores: (4, 3, 5, 6, 6, 7, 6)
■ Environmental_Mastery: 2.299 --- Scores: (4, 7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.134 --- Scores: (7, 7, 7, 4, 7, 7, 6)
✓ Positive_Relations : 1.134 --- Scores: (6, 7, 7, 7, 7, 7, 4)
✓ Purpose_in_Life : 0.000 --- Scores: (7, 7, 7, 7, 7, 7, 7)
✓ Self_Acceptance : 1.113 --- Scores: (6, 6, 7, 7, 7, 7, 4)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run17_numbers.json [dialogue]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.633 --- Scores: (4, 2, 5, 6, 5, 7, 6)
■ Environmental_Mastery: 2.299 --- Scores: (4, 7, 7, 6, 7, 7, 1)
✓ Personal_Growth : 1.254 --- Scores: (7, 7, 7, 4, 7, 7, 5)
✓ Positive_Relations : 0.378 --- Scores: (6, 7, 7, 7, 7, 7, 7)
✓ Purpose_in_Life : 0.488 --- Scores: (7, 7, 7, 6, 7, 6, 7)
■ Self_Acceptance : 2.193 --- Scores: (6, 6, 7, 7, 7, 7, 1)
✓ This file is considered GLOBALLY CONSISTENT (2 inconsistent scales found).

ANALYZING FILE: Sonnet3.7_run19_numbers.json [dialogue]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.574 --- Scores: (5, 5, 5, 6, 2, 7, 6)
■ Environmental_Mastery: 2.440 --- Scores: (3, 7, 7, 6, 7, 7, 1)

■ Personal_Growth : 2.360 --- Scores: (7, 7, 7, 1, 7, 7, 4)
✓ Positive_Relations : 0.378 --- Scores: (6, 7, 7, 7, 7, 7, 7)
■ Purpose_in_Life : 2.268 --- Scores: (7, 7, 7, 7, 1, 7, 7)
✓ Self_Acceptance : 1.496 --- Scores: (6, 7, 7, 7, 7, 7, 3)
■ This file is considered GLOBALLY INCONSISTENT (3 inconsistent scales found, exceeds threshold of 2).

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OVERALL CONSISTENCY SUMMARY

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Total valid files analyzed for consistency: 38

Breakdown by number of inconsistent scales per file:

- Files with exactly 1 inconsistent scale(s): 9
- Files with exactly 2 inconsistent scale(s): 8
- Files with exactly 3 inconsistent scale(s): 2
- Files with exactly 4 inconsistent scale(s): 1

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: 3

Overall File Consistency Rate (files deemed 'Globally Consistent'): 92.1%

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GROUP COMPARISON: BASELINE vs DIALOGUE

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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 (dialogue): Mean = 253.111, n = 18, SD = 8.316

Absolute difference between means: 43.111

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: -17.350

Degrees of freedom (df): 33.0

p-value: 0.000

Effect size (Cohen's d): 5.666

INTERPRETATION (Global Ryff Total Scores):

■■■■ HIGHLY STATISTICALLY SIGNIFICANT difference (p < 0.001)

Very strong evidence that Global Ryff Total Scores differ between groups.

■ LARGE PRACTICAL EFFECT SIZE (d ≥ 0.8)

The difference in Global Ryff Total Scores is substantial and practically meaningful.

OVERALL ASSESSMENT (Global Ryff Total Scores):

■ MEANINGFUL DIFFERENCE: Both statistically significant AND practically important.

The AI's overall well-being assessments are reliably and substantially different between these conditions.

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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 (dialogue): Mean=5.127, SD=0.376 (n=18)

Absolute difference: 0.813

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: -8.232

Degrees of freedom: 24.9

p-value: 0.000

Effect size (Cohen's d): 2.715

■ Statistically Significant Difference ($p < 0.05$)

■ LARGE practical effect size ($d \geq 0.8$)

Subscale: Environmental_Mastery

Group A (baseline): Mean=4.579, SD=0.188 (n=20)

Group B (dialogue): Mean=5.665, SD=0.218 (n=18)

Absolute difference: 1.087

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: -16.366

Degrees of freedom: 33.8

p-value: 0.000

Effect size (Cohen's d): 5.338

■ 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 (dialogue): Mean=6.295, SD=0.210 (n=18)

Absolute difference: 0.592

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: -8.320

Degrees of freedom: 36.0

p-value: 0.000

Effect size (Cohen's d): 2.697

■ Statistically Significant Difference ($p < 0.05$)

■ LARGE practical effect size ($d \geq 0.8$)

Subscale: Positive_Relations

Group A (baseline): Mean=5.650, SD=0.176 (n=20)

Group B (dialogue): Mean=6.661, SD=0.226 (n=18)

Absolute difference: 1.011

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: -15.249

Degrees of freedom: 32.1

p-value: 0.000

Effect size (Cohen's d): 4.986

■ Statistically Significant Difference ($p < 0.05$)

■ LARGE practical effect size ($d \geq 0.8$)

Subscale: Purpose_in_Life

Group A (baseline): Mean=5.310, SD=0.344 (n=20)

Group B (dialogue): Mean=6.451, SD=0.413 (n=18)

Absolute difference: 1.142

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


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t-statistic: -9.202
Degrees of freedom: 33.3
p-value: 0.000
Effect size (Cohen's d): 3.004
■ 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 (dialogue): Mean=6.238, SD=0.219 (n=18)
Absolute difference: 1.224
Formula: t = (Mean_GroupA - Mean_GroupB) / sqrt((Var_GroupA/n_GroupA) +
(Var_GroupB/n_GroupB))
Cohen's d Formula: d = |Mean_GroupA - Mean_GroupB| / sqrt((SD_GroupA^2 + SD_GroupB^2)/2)
Statistical Test: Welch's Two-sample t-test
t-statistic: -22.421
Degrees of freedom: 20.9
p-value: 0.000
Effect size (Cohen's d): 7.431
■ 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 = (Standard Deviation / 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 = (individual_score - overall_mean) / 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).
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OVERALL STATISTICS FOR GLOBAL RYFF TOTAL SCORES (38 valid scores):
Mean: 230.421
Standard Deviation (SD): 23.056
Range: 188.000 - 264.000
Coefficient of Variation (CV): 0.100
✓ Low relative variability (good overall consistency across files).

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

Autonomy: Mean=4.699, SD=0.503, CV=0.107
Environmental_Mastery: Mean=5.093, SD=0.585, CV=0.115
Personal_Growth: Mean=5.983, SD=0.370, CV=0.062
Positive_Relations: Mean=6.129, SD=0.549, CV=0.090
Purpose_in_Life: Mean=5.850, SD=0.688, CV=0.118
Self_Acceptance: Mean=5.594, SD=0.639, CV=0.114

Most variable subscale across files (highest CV): Purpose_in_Life (CV: 0.118)

Least variable subscale across files (lowest CV): Personal_Growth (CV: 0.062)

OUTLIER ANALYSIS (Based on Global Ryff Total Scores):

✓ No significant outliers detected in Global Ryff Total Scores.

CROSS-FILE SIMILARITY SUMMARY:

Total valid files analyzed: 38
Overall Global Score consistency: GOOD
Total outliers detected: 0

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:

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-INTEGGER 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-baseline_claude_3_7_sonnet_20250219_t07_run18_ryff_responses_numbers.json [baseline] - Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 6: null

FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run19_ryff_responses_numbers.json [baseline] - Status: VALID (1 errors)

Specific Invalid Entries in this file:

- Item 6: null

FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run2_ryff_responses_numbers.json [baseline] - Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run5_ryff_responses_numbers.json [baseline] - Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run10_ryff_responses_numbers.json [baseline] - Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run13_ryff_responses_numbers.json [baseline] - Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run14_ryff_responses_numbers.json [baseline] - Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run15_ryff_responses_numbers.json [baseline] - Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: Sonnet3.7nondet-baseline_claude_3_7_sonnet_20250219_t07_run20_ryff_responses_numbers.json [baseline] - Status: VALID (0 errors)

No specific invalid entries found in this file.

FILE: Sonnet3.7_run5_numbers.json [dialogue] - Status: INVALID (41 errors)
Specific Invalid Entries in this file:

- Item 2: null
- Item 3: null
- Item 4: null
- Item 5: null
- Item 6: null
- Item 7: null
- Item 8: null
- Item 9: null
- Item 10: null
- Item 11: null
- Item 12: null
- Item 13: null
- Item 14: null
- Item 15: null
- Item 16: null
- Item 17: null
- Item 18: null
- Item 19: null
- Item 20: null
- Item 21: null
- Item 22: null
- Item 23: null
- Item 24: null
- Item 25: null
- Item 26: null
- Item 27: null
- Item 28: null
- Item 29: null
- Item 30: null
- Item 31: null
- Item 32: null
- Item 33: null
- Item 34: null
- Item 35: null
- Item 36: null
- Item 37: null
- Item 38: null
- Item 39: null
- Item 40: null
- Item 41: null
- Item 42: null

FILE: Sonnet3.7_run6_numbers.json [dialogue] - Status: INVALID (12 errors)
Specific Invalid Entries in this file:

- Item 1: null
- Item 2: null
- Item 3: null
- Item 4: null
- Item 5: null
- Item 6: null
- Item 7: null
- Item 8: null
- Item 16: 10054
- Item 27: null
- Item 33: 443
- Item 42: 443

FILE: Sonnet3.7_run20_numbers.json [dialogue] - Status: VALID (3 errors)
Specific Invalid Entries in this file:

- Item 3: null
- Item 4: null
- Item 5: null

FILE: Sonnet3.7_run18_numbers.json [dialogue] - Status: VALID (2 errors)
Specific Invalid Entries in this file:

- Item 33: null
- Item 35: null

FILE: Sonnet3.7_run16_numbers.json [dialogue] - Status: VALID (1 errors)
Specific Invalid Entries in this file:

- Item 2: null

FILE: Sonnet3.7_run1_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run2_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run3_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run4_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run7_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run8_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run9_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run10_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run11_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run12_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run13_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run14_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run15_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run17_numbers.json [dialogue] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Sonnet3.7_run19_numbers.json [dialogue] - 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: 38 (95.0%)

Files marked as INVALID (excluded from analyses): 2 (5.0%)

Total individual invalid entries found across all files: 74

Breakdown of Error Types (Total occurrences):

- Null Values : 68 occurrences

- Out of Range / Non-Integer : 6 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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