

=====

RYFF PSYCHOLOGICAL WELL-BEING SCALE PROCESSING

=====

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.

✓ Opus4nondet_claude_opus_4_20250514_t07_run1_ryff_responses_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 162.000
Number of errors/invalid entries detected: 3
Subscale Sums:
Autonomy: 24.000
Environmental_Mastery: 28.000
Personal_Growth: 34.000
Positive_Relations: 20.000
Purpose_in_Life: 28.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.000
Personal_Growth: 4.857
Positive_Relations: 4.000
Purpose_in_Life: 4.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run7_ryff_responses_numbers.json [baseline] - VALID FILE

Calculated Global Ryff Total Score: 179.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 30.000
Personal_Growth: 37.000
Positive_Relations: 31.000
Purpose_in_Life: 25.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.286
Personal_Growth: 5.286
Positive_Relations: 4.429

Purpose_in_Life: 4.167
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run9_ryff_responses_numbers.json [baseline] -
VALID FILE
Calculated Global Ryff Total Score: 182.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 26.000
Personal_Growth: 40.000
Positive_Relations: 31.000
Purpose_in_Life: 29.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.333
Personal_Growth: 5.714
Positive_Relations: 4.429
Purpose_in_Life: 4.143
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run3_ryff_responses_numbers.json [baseline] -
VALID FILE
Calculated Global Ryff Total Score: 178.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 29.000
Personal_Growth: 37.000
Positive_Relations: 26.000
Purpose_in_Life: 30.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.143
Personal_Growth: 5.286
Positive_Relations: 4.333
Purpose_in_Life: 4.286
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run11_ryff_responses_numbers.json [baseline] -
VALID FILE
Calculated Global Ryff Total Score: 179.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 28.000
Personal_Growth: 37.000
Positive_Relations: 27.000
Purpose_in_Life: 30.000
Self_Acceptance: 29.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.000
Personal_Growth: 5.286
Positive_Relations: 4.500
Purpose_in_Life: 4.286
Self_Acceptance: 4.143

✓ Opus4nondet_claude_opus_4_20250514_t07_run20_ryff_responses_numbers.json [baseline] -
VALID FILE
Calculated Global Ryff Total Score: 173.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 29.000
Personal_Growth: 33.000
Positive_Relations: 31.000
Purpose_in_Life: 28.000
Self_Acceptance: 24.000
Subscale Averages:
Autonomy: 4.000

Environmental_Mastery: 4.143
Personal_Growth: 4.714
Positive_Relations: 4.429
Purpose_in_Life: 4.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run2_ryff_responses_numbers.json [baseline] -
VALID FILE
Calculated Global Ryff Total Score: 184.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 30.000
Personal_Growth: 36.000
Positive_Relations: 34.000
Purpose_in_Life: 28.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.286
Personal_Growth: 5.143
Positive_Relations: 4.857
Purpose_in_Life: 4.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run4_ryff_responses_numbers.json [baseline] -
VALID FILE
Calculated Global Ryff Total Score: 178.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 28.000
Personal_Growth: 31.000
Positive_Relations: 31.000
Purpose_in_Life: 32.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.000
Personal_Growth: 4.429
Positive_Relations: 4.429
Purpose_in_Life: 4.571
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run5_ryff_responses_numbers.json [baseline] -
VALID FILE
Calculated Global Ryff Total Score: 183.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 30.000
Personal_Growth: 39.000
Positive_Relations: 31.000
Purpose_in_Life: 27.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.286
Personal_Growth: 5.571
Positive_Relations: 4.429
Purpose_in_Life: 3.857
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run6_ryff_responses_numbers.json [baseline] -
VALID FILE
Calculated Global Ryff Total Score: 181.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 30.000
Personal_Growth: 35.000
Positive_Relations: 31.000
Purpose_in_Life: 29.000

Self_Acceptance: 28.000

Subscale Averages:

Autonomy: 4.000

Environmental_Mastery: 4.286

Personal_Growth: 5.000

Positive_Relations: 4.429

Purpose_in_Life: 4.143

Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run8_ryff_responses_numbers.json [baseline] -

VALID FILE

Calculated Global Ryff Total Score: 180.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 28.000

Environmental_Mastery: 28.000

Personal_Growth: 37.000

Positive_Relations: 29.000

Purpose_in_Life: 30.000

Self_Acceptance: 28.000

Subscale Averages:

Autonomy: 4.000

Environmental_Mastery: 4.000

Personal_Growth: 5.286

Positive_Relations: 4.143

Purpose_in_Life: 4.286

Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run10_ryff_responses_numbers.json [baseline] -

VALID FILE

Calculated Global Ryff Total Score: 180.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 28.000

Environmental_Mastery: 28.000

Personal_Growth: 37.000

Positive_Relations: 31.000

Purpose_in_Life: 28.000

Self_Acceptance: 28.000

Subscale Averages:

Autonomy: 4.000

Environmental_Mastery: 4.000

Personal_Growth: 5.286

Positive_Relations: 4.429

Purpose_in_Life: 4.000

Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run12_ryff_responses_numbers.json [baseline] -

VALID FILE

Calculated Global Ryff Total Score: 180.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 28.000

Environmental_Mastery: 28.000

Personal_Growth: 37.000

Positive_Relations: 31.000

Purpose_in_Life: 28.000

Self_Acceptance: 28.000

Subscale Averages:

Autonomy: 4.000

Environmental_Mastery: 4.000

Personal_Growth: 5.286

Positive_Relations: 4.429

Purpose_in_Life: 4.000

Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run13_ryff_responses_numbers.json [baseline] -

VALID FILE

Calculated Global Ryff Total Score: 177.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 28.000

Environmental_Mastery: 28.000

Personal_Growth: 34.000
Positive_Relations: 31.000
Purpose_in_Life: 28.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.000
Personal_Growth: 4.857
Positive_Relations: 4.429
Purpose_in_Life: 4.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run14_ryff_responses_numbers.json [baseline] -
VALID FILE

Calculated Global Ryff Total Score: 179.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 29.000
Environmental_Mastery: 28.000
Personal_Growth: 35.000
Positive_Relations: 31.000
Purpose_in_Life: 28.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.143
Environmental_Mastery: 4.000
Personal_Growth: 5.000
Positive_Relations: 4.429
Purpose_in_Life: 4.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run15_ryff_responses_numbers.json [baseline] -
VALID FILE

Calculated Global Ryff Total Score: 177.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 28.000
Personal_Growth: 34.000
Positive_Relations: 31.000
Purpose_in_Life: 28.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.000
Personal_Growth: 4.857
Positive_Relations: 4.429
Purpose_in_Life: 4.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run16_ryff_responses_numbers.json [baseline] -
VALID FILE

Calculated Global Ryff Total Score: 173.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 28.000
Personal_Growth: 32.000
Positive_Relations: 31.000
Purpose_in_Life: 26.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.000
Personal_Growth: 4.571
Positive_Relations: 4.429
Purpose_in_Life: 3.714
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run17_ryff_responses_numbers.json [baseline] -
VALID FILE

Calculated Global Ryff Total Score: 177.000
Number of errors/invalid entries detected: 0

Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 28.000
Personal_Growth: 34.000
Positive_Relations: 31.000
Purpose_in_Life: 28.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.000
Personal_Growth: 4.857
Positive_Relations: 4.429
Purpose_in_Life: 4.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run18_ryff_responses_numbers.json [baseline] -
VALID FILE

Calculated Global Ryff Total Score: 173.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 27.000
Environmental_Mastery: 28.000
Personal_Growth: 33.000
Positive_Relations: 29.000
Purpose_in_Life: 28.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 3.857
Environmental_Mastery: 4.000
Personal_Growth: 4.714
Positive_Relations: 4.143
Purpose_in_Life: 4.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_run19_ryff_responses_numbers.json [baseline] -
VALID FILE

Calculated Global Ryff Total Score: 178.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 29.000
Personal_Growth: 34.000
Positive_Relations: 31.000
Purpose_in_Life: 28.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.000
Environmental_Mastery: 4.143
Personal_Growth: 4.857
Positive_Relations: 4.429
Purpose_in_Life: 4.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run1_ryff_responses_numbers.json [flowers] - VALID FILE

Calculated Global Ryff Total Score: 192.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 28.000
Personal_Growth: 42.000
Positive_Relations: 28.000
Purpose_in_Life: 34.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.571
Environmental_Mastery: 4.000
Personal_Growth: 6.000
Positive_Relations: 4.000
Purpose_in_Life: 5.667
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run9_ryff_responses_nu
mbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 195.000
Number of errors/invalid entries detected: 1
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 28.000
Personal_Growth: 42.000
Positive_Relations: 34.000
Purpose_in_Life: 35.000
Self_Acceptance: 24.000
Subscale Averages:
Autonomy: 4.571
Environmental_Mastery: 4.000
Personal_Growth: 6.000
Positive_Relations: 4.857
Purpose_in_Life: 5.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run2_ryff_responses_nu
mbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 197.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 28.000
Personal_Growth: 42.000
Positive_Relations: 34.000
Purpose_in_Life: 33.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.571
Environmental_Mastery: 4.000
Personal_Growth: 6.000
Positive_Relations: 4.857
Purpose_in_Life: 4.714
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run3_ryff_responses_nu
mbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 202.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 31.000
Environmental_Mastery: 30.000
Personal_Growth: 42.000
Positive_Relations: 34.000
Purpose_in_Life: 37.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.429
Environmental_Mastery: 4.286
Personal_Growth: 6.000
Positive_Relations: 4.857
Purpose_in_Life: 5.286
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run4_ryff_responses_nu
mbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 201.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 31.000
Environmental_Mastery: 30.000
Personal_Growth: 42.000
Positive_Relations: 34.000
Purpose_in_Life: 36.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.429
Environmental_Mastery: 4.286
Personal_Growth: 6.000

Positive_Relations: 4.857
Purpose_in_Life: 5.143
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run5_ryff_responses_nu
mbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 205.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 31.000
Environmental_Mastery: 28.000
Personal_Growth: 42.000
Positive_Relations: 34.000
Purpose_in_Life: 39.000
Self_Acceptance: 31.000
Subscale Averages:
Autonomy: 4.429
Environmental_Mastery: 4.000
Personal_Growth: 6.000
Positive_Relations: 4.857
Purpose_in_Life: 5.571
Self_Acceptance: 4.429

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run6_ryff_responses_nu
mbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 197.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 30.000
Environmental_Mastery: 28.000
Personal_Growth: 42.000
Positive_Relations: 34.000
Purpose_in_Life: 35.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.286
Environmental_Mastery: 4.000
Personal_Growth: 6.000
Positive_Relations: 4.857
Purpose_in_Life: 5.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run7_ryff_responses_nu
mbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 197.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 29.000
Environmental_Mastery: 30.000
Personal_Growth: 41.000
Positive_Relations: 34.000
Purpose_in_Life: 35.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.143
Environmental_Mastery: 4.286
Personal_Growth: 5.857
Positive_Relations: 4.857
Purpose_in_Life: 5.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run8_ryff_responses_nu
mbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 194.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 28.000
Environmental_Mastery: 28.000
Personal_Growth: 42.000
Positive_Relations: 34.000
Purpose_in_Life: 34.000
Self_Acceptance: 28.000
Subscale Averages:

Autonomy: 4.000
Environmental_Mastery: 4.000
Personal_Growth: 6.000
Positive_Relations: 4.857
Purpose_in_Life: 4.857
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run10_ryff_responses_n
umbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 202.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 28.000
Personal_Growth: 43.000
Positive_Relations: 34.000
Purpose_in_Life: 38.000
Self_Acceptance: 27.000
Subscale Averages:
Autonomy: 4.571
Environmental_Mastery: 4.000
Personal_Growth: 6.143
Positive_Relations: 4.857
Purpose_in_Life: 5.429
Self_Acceptance: 3.857

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run11_ryff_responses_n
umbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 203.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 30.000
Personal_Growth: 42.000
Positive_Relations: 34.000
Purpose_in_Life: 37.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.571
Environmental_Mastery: 4.286
Personal_Growth: 6.000
Positive_Relations: 4.857
Purpose_in_Life: 5.286
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run12_ryff_responses_n
umbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 200.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 30.000
Personal_Growth: 41.000
Positive_Relations: 34.000
Purpose_in_Life: 35.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.571
Environmental_Mastery: 4.286
Personal_Growth: 5.857
Positive_Relations: 4.857
Purpose_in_Life: 5.000
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run13_ryff_responses_n
umbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 202.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 32.000
Personal_Growth: 43.000
Positive_Relations: 32.000

Purpose_in_Life: 35.000

Self_Acceptance: 28.000

Subscale Averages:

Autonomy: 4.571

Environmental_Mastery: 4.571

Personal_Growth: 6.143

Positive_Relations: 4.571

Purpose_in_Life: 5.000

Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run14_ryff_responses_n
umbers.json [flowers] - VALID FILE

Calculated Global Ryff Total Score: 199.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 32.000

Environmental_Mastery: 28.000

Personal_Growth: 42.000

Positive_Relations: 34.000

Purpose_in_Life: 35.000

Self_Acceptance: 28.000

Subscale Averages:

Autonomy: 4.571

Environmental_Mastery: 4.000

Personal_Growth: 6.000

Positive_Relations: 4.857

Purpose_in_Life: 5.000

Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run15_ryff_responses_n
umbers.json [flowers] - VALID FILE

Calculated Global Ryff Total Score: 202.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 32.000

Environmental_Mastery: 28.000

Personal_Growth: 42.000

Positive_Relations: 34.000

Purpose_in_Life: 38.000

Self_Acceptance: 28.000

Subscale Averages:

Autonomy: 4.571

Environmental_Mastery: 4.000

Personal_Growth: 6.000

Positive_Relations: 4.857

Purpose_in_Life: 5.429

Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run16_ryff_responses_n
umbers.json [flowers] - VALID FILE

Calculated Global Ryff Total Score: 203.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 30.000

Environmental_Mastery: 28.000

Personal_Growth: 42.000

Positive_Relations: 34.000

Purpose_in_Life: 39.000

Self_Acceptance: 30.000

Subscale Averages:

Autonomy: 4.286

Environmental_Mastery: 4.000

Personal_Growth: 6.000

Positive_Relations: 4.857

Purpose_in_Life: 5.571

Self_Acceptance: 4.286

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run17_ryff_responses_n
umbers.json [flowers] - VALID FILE

Calculated Global Ryff Total Score: 197.000

Number of errors/invalid entries detected: 0

Subscale Sums:

Autonomy: 30.000

Environmental_Mastery: 28.000
Personal_Growth: 42.000
Positive_Relations: 35.000
Purpose_in_Life: 34.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.286
Environmental_Mastery: 4.000
Personal_Growth: 6.000
Positive_Relations: 5.000
Purpose_in_Life: 4.857
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run18_ryff_responses_n
umbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 200.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 32.000
Environmental_Mastery: 30.000
Personal_Growth: 43.000
Positive_Relations: 34.000
Purpose_in_Life: 33.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 4.571
Environmental_Mastery: 4.286
Personal_Growth: 6.143
Positive_Relations: 4.857
Purpose_in_Life: 4.714
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run19_ryff_responses_n
umbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 196.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 27.000
Environmental_Mastery: 28.000
Personal_Growth: 43.000
Positive_Relations: 34.000
Purpose_in_Life: 36.000
Self_Acceptance: 28.000
Subscale Averages:
Autonomy: 3.857
Environmental_Mastery: 4.000
Personal_Growth: 6.143
Positive_Relations: 4.857
Purpose_in_Life: 5.143
Self_Acceptance: 4.000

✓ Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run20_ryff_responses_n
umbers.json [flowers] - VALID FILE
Calculated Global Ryff Total Score: 197.000
Number of errors/invalid entries detected: 0
Subscale Sums:
Autonomy: 30.000
Environmental_Mastery: 27.000
Personal_Growth: 41.000
Positive_Relations: 34.000
Purpose_in_Life: 35.000
Self_Acceptance: 30.000
Subscale Averages:
Autonomy: 4.286
Environmental_Mastery: 3.857
Personal_Growth: 5.857
Positive_Relations: 4.857
Purpose_in_Life: 5.000
Self_Acceptance: 4.286

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

=====

Filename	Label	Total Score
----------	-------	-------------

[illegible]

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run16_ryff_responses_numbers.json flowers 203.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run17_ryff_responses_numbers.json flowers 197.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run18_ryff_responses_numbers.json flowers 200.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run19_ryff_responses_numbers.json flowers 196.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run20_ryff_responses_numbers.json flowers 197.000

SUBSCALE SUMS TABLE:

=====

Filename	Label	Autonomy	Environm	Personal	Positive	Purpose_	Self_Acc
Opus4nondet_claude_opus_4_20250514_t07_run1_ryff_responses_numbers.json	baseline	24.000	28.000	34.000	20.000	28.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run7_ryff_responses_numbers.json	baseline	28.000	30.000	37.000	31.000	25.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run9_ryff_responses_numbers.json	baseline	28.000	26.000	40.000	31.000	29.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run3_ryff_responses_numbers.json	baseline	28.000	29.000	37.000	26.000	30.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run11_ryff_responses_numbers.json	baseline	28.000	28.000	37.000	27.000	30.000	29.000
Opus4nondet_claude_opus_4_20250514_t07_run20_ryff_responses_numbers.json	baseline	28.000	28.000	29.000	33.000	31.000	24.000
Opus4nondet_claude_opus_4_20250514_t07_run2_ryff_responses_numbers.json	baseline	28.000	30.000	36.000	34.000	28.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run4_ryff_responses_numbers.json	baseline	28.000	28.000	31.000	31.000	32.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run5_ryff_responses_numbers.json	baseline	28.000	30.000	39.000	31.000	27.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run6_ryff_responses_numbers.json	baseline	28.000	30.000	35.000	31.000	29.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run8_ryff_responses_numbers.json	baseline	28.000	28.000	37.000	29.000	30.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run10_ryff_responses_numbers.json	baseline	28.000	28.000	28.000	37.000	31.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run12_ryff_responses_numbers.json	baseline	28.000	28.000	37.000	31.000	28.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run13_ryff_responses_numbers.json	baseline	28.000	28.000	28.000	34.000	31.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run14_ryff_responses_numbers.json	baseline	28.000	29.000	28.000	35.000	31.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run15_ryff_responses_numbers.json	baseline	28.000	28.000	28.000	34.000	31.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run16_ryff_responses_numbers.json	baseline	28.000	28.000	28.000	32.000	31.000	26.000
Opus4nondet_claude_opus_4_20250514_t07_run17_ryff_responses_numbers.json	baseline	28.000	28.000	28.000	34.000	31.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run18_ryff_responses_numbers.json	baseline	27.000	28.000	28.000	33.000	29.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_run19_ryff_responses_numbers.json	baseline	28.000	28.000	29.000	34.000	31.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run1_ryff_responses_numbers.json	flowers	32.000	28.000	32.000	28.000	42.000	28.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run9_ryff_responses_numbers.json	flowers	32.000	28.000	32.000	28.000	42.000	35.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run2_ryff_responses_numbers.json	flowers	32.000	28.000	32.000	28.000	42.000	33.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run3_ryff_responses_numbers.json	flowers	31.000	31.000	30.000	30.000	42.000	37.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run4_ryff_responses_numbers.json	flowers	31.000	31.000	30.000	30.000	42.000	36.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run5_ryff_responses_numbers.json	flowers	31.000	28.000	31.000	28.000	42.000	39.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run6_ryff_responses_numbers.json	flowers	30.000	28.000	30.000	28.000	42.000	35.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run7_ryff_responses_numbers.json flowers 29.000 30.000 41.000 34.000 35.000 28.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run8_ryff_responses_numbers.json flowers 28.000 28.000 42.000 34.000 34.000 28.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run10_ryff_responses_numbers.json flowers 32.000 28.000 43.000 34.000 38.000 27.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run11_ryff_responses_numbers.json flowers 32.000 30.000 42.000 34.000 37.000 28.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run12_ryff_responses_numbers.json flowers 32.000 30.000 41.000 34.000 35.000 28.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run13_ryff_responses_numbers.json flowers 32.000 32.000 43.000 32.000 35.000 28.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run14_ryff_responses_numbers.json flowers 32.000 28.000 42.000 34.000 35.000 28.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run15_ryff_responses_numbers.json flowers 32.000 28.000 42.000 34.000 38.000 28.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run16_ryff_responses_numbers.json flowers 30.000 28.000 42.000 34.000 39.000 30.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run17_ryff_responses_numbers.json flowers 30.000 28.000 42.000 35.000 34.000 28.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run18_ryff_responses_numbers.json flowers 32.000 30.000 43.000 34.000 33.000 28.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run19_ryff_responses_numbers.json flowers 27.000 28.000 43.000 34.000 36.000 28.000
 Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run20_ryff_responses_numbers.json flowers 30.000 27.000 41.000 34.000 35.000 30.000

SUBSCALE AVERAGES TABLE:

=====

Filename	Label	Autonomy	Environm	Personal	Positive	Purpose	Self_Acc

Opus4nondet_claude_opus_4_20250514_t07_run1_ryff_responses_numbers.json	baseline	4.000	4.000	4.857	4.000	4.000	4.000
Opus4nondet_claude_opus_4_20250514_t07_run7_ryff_responses_numbers.json	baseline	4.000	4.286	5.286	4.429	4.167	4.000
Opus4nondet_claude_opus_4_20250514_t07_run9_ryff_responses_numbers.json	baseline	4.000	4.333	5.714	4.429	4.143	4.000
Opus4nondet_claude_opus_4_20250514_t07_run3_ryff_responses_numbers.json	baseline	4.000	4.143	5.286	4.333	4.286	4.000
Opus4nondet_claude_opus_4_20250514_t07_run11_ryff_responses_numbers.json	baseline	4.000	4.000	5.286	4.500	4.286	4.143
Opus4nondet_claude_opus_4_20250514_t07_run20_ryff_responses_numbers.json	baseline	4.000	4.143	4.714	4.429	4.000	4.000
Opus4nondet_claude_opus_4_20250514_t07_run2_ryff_responses_numbers.json	baseline	4.000	4.286	5.143	4.857	4.000	4.000
Opus4nondet_claude_opus_4_20250514_t07_run4_ryff_responses_numbers.json	baseline	4.000	4.000	4.429	4.429	4.571	4.000
Opus4nondet_claude_opus_4_20250514_t07_run5_ryff_responses_numbers.json	baseline	4.000	4.286	5.571	4.429	3.857	4.000
Opus4nondet_claude_opus_4_20250514_t07_run6_ryff_responses_numbers.json	baseline	4.000	4.286	5.000	4.429	4.143	4.000
Opus4nondet_claude_opus_4_20250514_t07_run8_ryff_responses_numbers.json	baseline	4.000	4.000	5.286	4.143	4.286	4.000
Opus4nondet_claude_opus_4_20250514_t07_run10_ryff_responses_numbers.json	baseline	4.000	4.000	5.286	4.429	4.000	4.000
Opus4nondet_claude_opus_4_20250514_t07_run12_ryff_responses_numbers.json	baseline	4.000	4.000	5.286	4.429	4.000	4.000
Opus4nondet_claude_opus_4_20250514_t07_run13_ryff_responses_numbers.json	baseline	4.000	4.000	4.857	4.429	4.000	4.000
Opus4nondet_claude_opus_4_20250514_t07_run14_ryff_responses_numbers.json	baseline	4.143	4.000	5.000	4.429	4.000	4.000
Opus4nondet_claude_opus_4_20250514_t07_run15_ryff_responses_numbers.json	baseline	4.000	4.000	4.857	4.429	4.000	4.000
Opus4nondet_claude_opus_4_20250514_t07_run16_ryff_responses_numbers.json	baseline	4.000	4.000	4.571	4.429	3.714	4.000
Opus4nondet_claude_opus_4_20250514_t07_run17_ryff_responses_numbers.json	baseline	4.000	4.000	4.857	4.429	4.000	4.000
Opus4nondet_claude_opus_4_20250514_t07_run18_ryff_responses_numbers.json	baseline	3.857	4.000	4.714	4.143	4.000	4.000

Opus4nondet_claude_opus_4_20250514_t07_run19_ryff_responses_numbers.json baseline 4.000
4.143 4.857 4.429 4.000 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run1_ryff_responses_numbers.json flowers 4.571 4.000 6.000 4.000 5.667 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run9_ryff_responses_numbers.json flowers 4.571 4.000 6.000 4.857 5.000 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run2_ryff_responses_numbers.json flowers 4.571 4.000 6.000 4.857 4.714 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run3_ryff_responses_numbers.json flowers 4.429 4.286 6.000 4.857 5.286 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run4_ryff_responses_numbers.json flowers 4.429 4.286 6.000 4.857 5.143 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run5_ryff_responses_numbers.json flowers 4.429 4.000 6.000 4.857 5.571 4.429
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run6_ryff_responses_numbers.json flowers 4.286 4.000 6.000 4.857 5.000 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run7_ryff_responses_numbers.json flowers 4.143 4.286 5.857 4.857 5.000 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run8_ryff_responses_numbers.json flowers 4.000 4.000 6.000 4.857 4.857 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run10_ryff_responses_numbers.json flowers 4.571 4.000 6.143 4.857 5.429 3.857
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run11_ryff_responses_numbers.json flowers 4.571 4.286 6.000 4.857 5.286 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run12_ryff_responses_numbers.json flowers 4.571 4.286 5.857 4.857 5.000 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run13_ryff_responses_numbers.json flowers 4.571 4.571 6.143 4.571 5.000 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run14_ryff_responses_numbers.json flowers 4.571 4.000 6.000 4.857 5.000 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run15_ryff_responses_numbers.json flowers 4.571 4.000 6.000 4.857 5.429 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run16_ryff_responses_numbers.json flowers 4.286 4.000 6.000 4.857 5.571 4.286
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run17_ryff_responses_numbers.json flowers 4.286 4.000 6.000 5.000 4.857 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run18_ryff_responses_numbers.json flowers 4.571 4.286 6.143 4.857 4.714 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run19_ryff_responses_numbers.json flowers 3.857 4.000 6.143 4.857 5.143 4.000
Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run20_ryff_responses_numbers.json flowers 4.286 3.857 5.857 4.857 5.000 4.286

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

INDIVIDUAL FILE ANALYSIS:

Opus4nondet_claude_opus_4_20250514_t07_run1_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (4.857)
Lowest: Autonomy (4.000)
Range: 0.857

Opus4nondet_claude_opus_4_20250514_t07_run7_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (5.286)
Lowest: Autonomy (4.000)
Range: 1.286

Opus4nondet_claude_opus_4_20250514_t07_run9_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (5.714)
Lowest: Autonomy (4.000)
Range: 1.714

Opus4nondet_claude_opus_4_20250514_t07_run3_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (5.286)
Lowest: Autonomy (4.000)
Range: 1.286

Opus4nondet_claude_opus_4_20250514_t07_run11_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (5.286)
Lowest: Autonomy (4.000)
Range: 1.286

Opus4nondet_claude_opus_4_20250514_t07_run20_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (4.714)
Lowest: Autonomy (4.000)
Range: 0.714

Opus4nondet_claude_opus_4_20250514_t07_run2_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (5.143)
Lowest: Autonomy (4.000)
Range: 1.143

Opus4nondet_claude_opus_4_20250514_t07_run4_ryff_responses_numbers.json [baseline]:
Highest: Purpose_in_Life (4.571)
Lowest: Autonomy (4.000)
Range: 0.571

Opus4nondet_claude_opus_4_20250514_t07_run5_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (5.571)
Lowest: Purpose_in_Life (3.857)
Range: 1.714

Opus4nondet_claude_opus_4_20250514_t07_run6_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (5.000)
Lowest: Autonomy (4.000)
Range: 1.000

Opus4nondet_claude_opus_4_20250514_t07_run8_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (5.286)
Lowest: Autonomy (4.000)
Range: 1.286

Opus4nondet_claude_opus_4_20250514_t07_run10_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (5.286)
Lowest: Autonomy (4.000)
Range: 1.286

Opus4nondet_claude_opus_4_20250514_t07_run12_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (5.286)
Lowest: Autonomy (4.000)
Range: 1.286

Opus4nondet_claude_opus_4_20250514_t07_run13_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (4.857)
Lowest: Autonomy (4.000)
Range: 0.857

Opus4nondet_claude_opus_4_20250514_t07_run14_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (5.000)
Lowest: Environmental_Mastery (4.000)
Range: 1.000

Opus4nondet_claude_opus_4_20250514_t07_run15_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (4.857)
Lowest: Autonomy (4.000)
Range: 0.857

Opus4nondet_claude_opus_4_20250514_t07_run16_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (4.571)
Lowest: Purpose_in_Life (3.714)
Range: 0.857

Opus4nondet_claude_opus_4_20250514_t07_run17_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (4.857)
Lowest: Autonomy (4.000)
Range: 0.857

Opus4nondet_claude_opus_4_20250514_t07_run18_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (4.714)
Lowest: Autonomy (3.857)
Range: 0.857

Opus4nondet_claude_opus_4_20250514_t07_run19_ryff_responses_numbers.json [baseline]:
Highest: Personal_Growth (4.857)
Lowest: Autonomy (4.000)
Range: 0.857

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run1_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Environmental_Mastery (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run9_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Environmental_Mastery (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run2_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Environmental_Mastery (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run3_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Self_Acceptance (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run4_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Self_Acceptance (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run5_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Environmental_Mastery (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run6_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Environmental_Mastery (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run7_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (5.857)
Lowest: Self_Acceptance (4.000)
Range: 1.857

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run8_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Autonomy (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run10_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (6.143)
Lowest: Self_Acceptance (3.857)
Range: 2.286

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run11_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Self_Acceptance (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run12_ryff_responses_numbers.json [flowers]:
Highest: Personal_Growth (5.857)
Lowest: Self_Acceptance (4.000)
Range: 1.857

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run13_ryff_responses_numbers.json [flowers]:

Highest: Personal_Growth (6.143)
Lowest: Self_Acceptance (4.000)
Range: 2.143

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run14_ryff_responses_num
bers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Environmental_Mastery (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run15_ryff_responses_num
bers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Environmental_Mastery (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run16_ryff_responses_num
bers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Environmental_Mastery (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run17_ryff_responses_num
bers.json [flowers]:
Highest: Personal_Growth (6.000)
Lowest: Environmental_Mastery (4.000)
Range: 2.000

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run18_ryff_responses_num
bers.json [flowers]:
Highest: Personal_Growth (6.143)
Lowest: Self_Acceptance (4.000)
Range: 2.143

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run19_ryff_responses_num
bers.json [flowers]:
Highest: Personal_Growth (6.143)
Lowest: Autonomy (3.857)
Range: 2.286

Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run20_ryff_responses_num
bers.json [flowers]:
Highest: Personal_Growth (5.857)
Lowest: Environmental_Mastery (3.857)
Range: 2.000

OVERALL ANALYSIS ACROSS ALL FILES:

Average subscale scores across 40 files:

Personal_Growth : 5.525
Positive_Relations : 4.603
Purpose_in_Life : 4.603
Autonomy : 4.204
Environmental_Mastery: 4.101
Self_Acceptance : 4.025

OVERALL EXTREMES:

Highest scoring subscale: Personal_Growth (5.525)
Lowest scoring subscale: Self_Acceptance (4.025)
Overall range: 1.500

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: Opus4nondet_claude_opus_4_20250514_t07_run1_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4)
- ✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Personal_Growth : 1.464 --- Scores: (4, 7, 7, 4, 4, 4, 4)
- ✓ Positive_Relations : 0.000 --- Scores: (4, 4, 4, 4, 4)
- ✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_run7_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Environmental_Mastery: 0.756 --- Scores: (4, 4, 4, 4, 4, 4, 6, 4)
- ✓ Personal_Growth : 1.604 --- Scores: (4, 7, 7, 4, 7, 4, 4)
- ✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
- ✓ Purpose_in_Life : 0.408 --- Scores: (4, 4, 4, 5, 4, 4)
- ✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_run9_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Environmental_Mastery: 0.816 --- Scores: (4, 4, 4, 4, 4, 6, 4)
- ✓ Personal_Growth : 1.604 --- Scores: (7, 7, 7, 4, 7, 4, 4)
- ✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
- ✓ Purpose_in_Life : 0.378 --- Scores: (4, 4, 4, 4, 5, 4, 4)
- ✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_run3_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Environmental_Mastery: 0.900 --- Scores: (4, 4, 4, 4, 4, 6, 3)
- ✓ Personal_Growth : 1.604 --- Scores: (4, 7, 7, 4, 7, 4, 4)
- ✓ Positive_Relations : 0.816 --- Scores: (4, 6, 4, 4, 4, 4, 4)
- ✓ Purpose_in_Life : 1.254 --- Scores: (4, 4, 3, 4, 4, 7, 4)
- ✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE:

Opus4nondet_claude_opus_4_20250514_t07_run11_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Personal_Growth : 1.604 --- Scores: (4, 7, 7, 4, 7, 4, 4)
- ✓ Positive_Relations : 1.225 --- Scores: (4, 4, 4, 7, 4, 4)
- ✓ Purpose_in_Life : 0.756 --- Scores: (4, 4, 4, 6, 4, 4, 4)
- ✓ Self_Acceptance : 0.378 --- Scores: (5, 4, 4, 4, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE:

Opus4nondet_claude_opus_4_20250514_t07_run20_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)

✓ Environmental_Mastery: 0.378 --- Scores: (4, 4, 5, 4, 4, 4, 4)
✓ Personal_Growth : 1.604 --- Scores: (4, 7, 7, 4, 3, 4, 4)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_run2_ryff_responses_numbers.json
[baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.577 --- Scores: (4, 4, 3, 4, 5, 4, 4)
✓ Environmental_Mastery: 0.756 --- Scores: (4, 4, 4, 4, 4, 6, 4)
✓ Personal_Growth : 1.464 --- Scores: (6, 7, 7, 4, 4, 4, 4)
✓ Positive_Relations : 1.464 --- Scores: (4, 7, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_run4_ryff_responses_numbers.json
[baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
■ Personal_Growth : 2.070 --- Scores: (4, 7, 7, 4, 4, 1, 4)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 1.134 --- Scores: (4, 5, 4, 4, 7, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_run5_ryff_responses_numbers.json
[baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Environmental_Mastery: 0.488 --- Scores: (5, 4, 4, 5, 4, 4, 4)
✓ Personal_Growth : 1.397 --- Scores: (5, 7, 7, 4, 7, 4, 5)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 0.378 --- Scores: (4, 4, 4, 4, 3, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_run6_ryff_responses_numbers.json
[baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Environmental_Mastery: 0.756 --- Scores: (4, 4, 4, 4, 4, 6, 4)
✓ Personal_Growth : 2.000 --- Scores: (4, 7, 7, 4, 7, 2, 4)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 1.215 --- Scores: (4, 4, 4, 6, 5, 2, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_run8_ryff_responses_numbers.json
[baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.604 --- Scores: (4, 7, 7, 4, 7, 4, 4)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 2, 4, 4)
✓ Purpose_in_Life : 0.756 --- Scores: (4, 4, 4, 4, 6, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE:

Opus4nondet_claude_opus_4_20250514_t07_run10_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.604 --- Scores: (4, 7, 7, 4, 7, 4, 4)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE:
Opus4nondet_claude_opus_4_20250514_t07_run12_ryff_responses_numbers.json [baseline]
Subscale Item Response Standard Deviations:
✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.604 --- Scores: (4, 7, 7, 4, 7, 4, 4)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE:
Opus4nondet_claude_opus_4_20250514_t07_run13_ryff_responses_numbers.json [baseline]
Subscale Item Response Standard Deviations:
✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.464 --- Scores: (4, 7, 7, 4, 4, 4, 4)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE:
Opus4nondet_claude_opus_4_20250514_t07_run14_ryff_responses_numbers.json [baseline]
Subscale Item Response Standard Deviations:
✓ Autonomy : 0.378 --- Scores: (4, 4, 4, 5, 4, 4, 4)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.633 --- Scores: (6, 7, 7, 4, 3, 4, 4)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE:
Opus4nondet_claude_opus_4_20250514_t07_run15_ryff_responses_numbers.json [baseline]
Subscale Item Response Standard Deviations:
✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.464 --- Scores: (4, 7, 7, 4, 4, 4, 4)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE:
Opus4nondet_claude_opus_4_20250514_t07_run16_ryff_responses_numbers.json [baseline]
Subscale Item Response Standard Deviations:
✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.813 --- Scores: (4, 7, 7, 4, 4, 2, 4)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 0.756 --- Scores: (4, 4, 4, 4, 4, 2, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE:
Opus4nondet_claude_opus_4_20250514_t07_run17_ryff_responses_numbers.json [baseline]
Subscale Item Response Standard Deviations:
✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.464 --- Scores: (4, 7, 7, 4, 4, 4, 4)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE:
Opus4nondet_claude_opus_4_20250514_t07_run18_ryff_responses_numbers.json [baseline]
Subscale Item Response Standard Deviations:
✓ Autonomy : 0.378 --- Scores: (4, 4, 4, 4, 3, 4, 4)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.604 --- Scores: (4, 7, 7, 4, 4, 3, 4)
✓ Positive_Relations : 1.464 --- Scores: (2, 4, 4, 7, 4, 4, 4)

✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE:

Opus4nondet_claude_opus_4_20250514_t07_run19_ryff_responses_numbers.json [baseline]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Environmental_Mastery: 0.378 --- Scores: (4, 4, 4, 4, 4, 4, 5, 4)
✓ Personal_Growth : 1.464 --- Scores: (4, 7, 7, 4, 4, 4, 4)
✓ Positive_Relations : 1.134 --- Scores: (4, 4, 4, 7, 4, 4, 4)
✓ Purpose_in_Life : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run1_ryf_f_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.976 --- Scores: (6, 4, 4, 4, 4, 4, 6)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
✓ Positive_Relations : 1.732 --- Scores: (4, 4, 4, 7, 4, 1, 4)
✓ Purpose_in_Life : 1.366 --- Scores: (6, 4, 7, 6, 4, 7)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run9_ryf_f_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.976 --- Scores: (6, 4, 4, 4, 4, 4, 6)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 1.291 --- Scores: (4, 4, 6, 6, 4, 4, 7)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run2_ryf_f_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.976 --- Scores: (6, 4, 4, 4, 4, 4, 6)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 0.951 --- Scores: (5, 4, 6, 6, 4, 4, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run3_ryf_f_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.134 --- Scores: (6, 4, 4, 4, 3, 4, 6)
✓ Environmental_Mastery: 0.756 --- Scores: (4, 4, 4, 4, 6, 4, 4)
✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 1.254 --- Scores: (4, 4, 6, 6, 4, 6, 7)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run4_ryf_f_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.134 --- Scores: (6, 4, 4, 4, 3, 4, 6)
✓ Environmental_Mastery: 0.756 --- Scores: (4, 4, 4, 4, 4, 6, 4)
✓ Personal_Growth : 1.155 --- Scores: (6, 7, 7, 4, 6, 7, 5)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 1.069 --- Scores: (6, 4, 6, 6, 4, 6, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run5_ryf_f_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.134 --- Scores: (6, 4, 4, 3, 4, 4, 6)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 1.272 --- Scores: (5, 4, 6, 6, 4, 7, 7)
✓ Self_Acceptance : 0.787 --- Scores: (6, 4, 4, 5, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run6_ryf
f_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.756 --- Scores: (4, 4, 4, 4, 4, 4, 6)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 1.291 --- Scores: (4, 4, 6, 6, 4, 7, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run7_ryf
f_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.900 --- Scores: (6, 4, 4, 4, 4, 4, 3)
✓ Environmental_Mastery: 0.756 --- Scores: (4, 4, 4, 6, 4, 4, 4)
✓ Personal_Growth : 1.345 --- Scores: (6, 7, 6, 4, 7, 7, 4)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 1.291 --- Scores: (4, 4, 6, 6, 4, 4, 7)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run8_ryf
f_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 1.155 --- Scores: (2, 4, 4, 4, 4, 4, 6)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 1.215 --- Scores: (5, 4, 4, 6, 4, 7, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run10_ry
ff_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.976 --- Scores: (6, 4, 4, 4, 4, 4, 6)
✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ Personal_Growth : 1.215 --- Scores: (6, 7, 7, 4, 7, 7, 5)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 1.134 --- Scores: (6, 5, 6, 6, 4, 7, 4)
✓ Self_Acceptance : 0.378 --- Scores: (4, 4, 4, 3, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run11_ry
ff_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.976 --- Scores: (6, 4, 4, 4, 4, 4, 6)
✓ Environmental_Mastery: 0.756 --- Scores: (4, 4, 4, 4, 6, 4, 4)
✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 1.254 --- Scores: (6, 4, 7, 6, 4, 6, 4)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run12_ry
ff_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

✓ Autonomy : 0.976 --- Scores: (6, 4, 4, 4, 4, 4, 6)
✓ Environmental_Mastery: 0.488 --- Scores: (5, 4, 4, 4, 4, 4, 5)
✓ Personal_Growth : 1.345 --- Scores: (6, 7, 6, 4, 7, 7, 4)
✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
✓ Purpose_in_Life : 1.291 --- Scores: (4, 4, 6, 6, 4, 4, 7)
✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run13_ry
ff_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.976 --- Scores: (6, 4, 4, 4, 4, 6)
- ✓ Environmental_Mastery: 0.976 --- Scores: (4, 4, 6, 4, 4, 6, 4)
- ✓ Personal_Growth : 1.464 --- Scores: (7, 7, 7, 4, 7, 7, 4)
- ✓ Positive_Relations : 1.813 --- Scores: (2, 4, 4, 7, 4, 7, 4)
- ✓ Purpose_in_Life : 1.291 --- Scores: (4, 4, 4, 6, 4, 6, 7)
- ✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run14_ry
ff_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.976 --- Scores: (6, 4, 4, 4, 4, 6)
- ✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
- ✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
- ✓ Purpose_in_Life : 1.291 --- Scores: (4, 4, 6, 6, 4, 7, 4)
- ✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run15_ry
ff_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.976 --- Scores: (6, 4, 4, 4, 4, 6)
- ✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
- ✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
- ✓ Purpose_in_Life : 0.976 --- Scores: (6, 4, 6, 6, 4, 6, 6)
- ✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run16_ry
ff_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.756 --- Scores: (6, 4, 4, 4, 4, 4, 4)
- ✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
- ✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
- ✓ Purpose_in_Life : 1.272 --- Scores: (5, 4, 6, 6, 4, 7, 7)
- ✓ Self_Acceptance : 1.254 --- Scores: (4, 4, 7, 4, 4, 4, 3)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run17_ry
ff_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.951 --- Scores: (5, 4, 4, 3, 4, 4, 6)
- ✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Personal_Growth : 1.414 --- Scores: (6, 7, 7, 4, 7, 7, 4)
- ✓ Positive_Relations : 1.414 --- Scores: (4, 4, 5, 7, 4, 7, 4)
- ✓ Purpose_in_Life : 1.069 --- Scores: (6, 4, 4, 6, 4, 6, 4)
- ✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run18_ry
ff_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.976 --- Scores: (6, 4, 4, 4, 4, 6)
- ✓ Environmental_Mastery: 0.756 --- Scores: (4, 4, 4, 4, 4, 6, 4)
- ✓ Personal_Growth : 1.215 --- Scores: (6, 7, 7, 4, 7, 7, 5)
- ✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
- ✓ Purpose_in_Life : 1.254 --- Scores: (4, 4, 7, 6, 4, 4, 4)
- ✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_Pl_run19_ry
ff_responses_numbers.json [flowers]

Subscale Item Response Standard Deviations:

- ✓ Autonomy : 0.378 --- Scores: (4, 4, 4, 4, 4, 4, 3)
- ✓ Environmental_Mastery: 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
- ✓ Personal_Growth : 1.215 --- Scores: (6, 7, 7, 4, 7, 7, 5)

✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
 ✓ Purpose_in_Life : 1.464 --- Scores: (4, 4, 6, 6, 3, 6, 7)
 ✓ Self_Acceptance : 0.000 --- Scores: (4, 4, 4, 4, 4, 4, 4)
 ✓ This file is considered GLOBALLY CONSISTENT (0 inconsistent scales found).

ANALYZING FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run20_ryff_responses_numbers.json [flowers]
 Subscale Item Response Standard Deviations:
 ✓ Autonomy : 0.756 --- Scores: (6, 4, 4, 4, 4, 4, 4)
 ✓ Environmental_Mastery: 0.378 --- Scores: (4, 4, 4, 4, 4, 3, 4)
 ✓ Personal_Growth : 1.345 --- Scores: (6, 7, 7, 4, 6, 7, 4)
 ✓ Positive_Relations : 1.464 --- Scores: (4, 4, 4, 7, 4, 7, 4)
 ■ Purpose_in_Life : 2.160 --- Scores: (6, 4, 7, 6, 4, 1, 7)
 ✓ Self_Acceptance : 0.756 --- Scores: (4, 4, 4, 6, 4, 4, 4)
 ✓ This file is considered GLOBALLY CONSISTENT (1 inconsistent scales found).

=====
 OVERALL CONSISTENCY SUMMARY
 =====
 Total valid files analyzed for consistency: 40

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

 Rule: A file is 'Globally Inconsistent' if it has >2 inconsistent scales (i.e., fewer than 4 consistent scales).
 Total files flagged as Globally Inconsistent: 0
 Overall File Consistency Rate (files deemed 'Globally Consistent'): 100.0%
 =====

=====
 GROUP COMPARISON: BASELINE vs FLOWERS
 =====

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 = 177.650, n = 20, SD = 4.771
 Group B (flowers): Mean = 199.050, n = 20, SD = 3.471
 Absolute difference between means: 21.400

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

STATISTICAL TEST RESULTS (Global Ryff Total Scores):
 Test Performed: Welch's Two-sample t-test
 t-statistic: -16.220
 Degrees of freedom (df): 34.7
 p-value: 0.000
 Effect size (Cohen's d): 5.129

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

OVERALL ASSESSMENT (Global Ryff Total Scores):

■ MEANINGFUL DIFFERENCE: Both statistically significant AND practically important.
The AI's overall well-being assessments are reliably and substantially different
between these conditions.

=====

INITIATING SUBSCALE LEVEL COMPARISON...

=====

SUBSCALE LEVEL COMPARISON:

Subscale: Autonomy

Group A (baseline): Mean=4.000, SD=0.046 (n=20)

Group B (flowers): Mean=4.407, SD=0.214 (n=20)

Absolute difference: 0.407

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: -8.324

Degrees of freedom: 20.8

p-value: 0.000

Effect size (Cohen's d): 2.632

■ Statistically Significant Difference ($p < 0.05$)

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

Subscale: Environmental_Mastery

Group A (baseline): Mean=4.095, SD=0.129 (n=20)

Group B (flowers): Mean=4.107, SD=0.179 (n=20)

Absolute difference: 0.012

Formula: $t = (\text{Mean_GroupA} - \text{Mean_GroupB}) / \sqrt{(\text{Var_GroupA}/n_{\text{GroupA}}) + (\text{Var_GroupB}/n_{\text{GroupB}})}$

Cohen's d Formula: $d = |\text{Mean_GroupA} - \text{Mean_GroupB}| / \sqrt{(\text{SD_GroupA}^2 + \text{SD_GroupB}^2)/2}$

Statistical Test: Welch's Two-sample t-test

t-statistic: -0.241

Degrees of freedom: 34.6

p-value: 0.811

Effect size (Cohen's d): 0.076

✓ No Statistically Significant Difference ($p \geq 0.05$)

✓ NEGLIGIBLE practical effect size ($d < 0.2$)

Subscale: Personal_Growth

Group A (baseline): Mean=5.043, SD=0.331 (n=20)

Group B (flowers): Mean=6.007, SD=0.086 (n=20)

Absolute difference: 0.964

Formula: $t = (\text{Mean_GroupA} - \text{Mean_GroupB}) / \sqrt{(\text{Var_GroupA}/n_{\text{GroupA}}) + (\text{Var_GroupB}/n_{\text{GroupB}})}$

Cohen's d Formula: $d = |\text{Mean_GroupA} - \text{Mean_GroupB}| / \sqrt{(\text{SD_GroupA}^2 + \text{SD_GroupB}^2)/2}$

Statistical Test: Welch's Two-sample t-test

t-statistic: -12.595

Degrees of freedom: 21.6

p-value: 0.000

Effect size (Cohen's d): 3.983

■ Statistically Significant Difference ($p < 0.05$)

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

Subscale: Positive_Relations

Group A (baseline): Mean=4.399, SD=0.167 (n=20)

Group B (flowers): Mean=4.807, SD=0.203 (n=20)

Absolute difference: 0.408

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: -6.945

Degrees of freedom: 36.6

p-value: 0.000

Effect size (Cohen's d): 2.196

■ Statistically Significant Difference ($p < 0.05$)

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

Subscale: Purpose_in_Life

Group A (baseline): Mean=4.073, SD=0.183 (n=20)

Group B (flowers): Mean=5.133, SD=0.283 (n=20)
 Absolute difference: 1.061
 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: -14.088
 Degrees of freedom: 32.6
 p-value: 0.000
 Effect size (Cohen's d): 4.455
 ■■ Statistically Significant Difference (p < 0.05)
 ■■ LARGE practical effect size (d ≥ 0.8)

Subscale: Self_Acceptance
 Group A (baseline): Mean=4.007, SD=0.032 (n=20)
 Group B (flowers): Mean=4.043, SD=0.132 (n=20)
 Absolute difference: 0.036
 Formula: $t = (\text{Mean_GroupA} - \text{Mean_GroupB}) / \sqrt{(\text{Var_GroupA}/n_{\text{GroupA}}) + (\text{Var_GroupB}/n_{\text{GroupB}})}$
 Cohen's d Formula: $d = |\text{Mean_GroupA} - \text{Mean_GroupB}| / \sqrt{(\text{SD_GroupA}^2 + \text{SD_GroupB}^2)/2}$
 Statistical Test: Welch's Two-sample t-test
 t-statistic: -1.177
 Degrees of freedom: 21.2
 p-value: 0.252
 Effect size (Cohen's d): 0.372
 ✓ No Statistically Significant Difference (p ≥ 0.05)
 ~ SMALL practical effect size (d ≥ 0.2)

■■ SUMMARY: SUBSCALES WITH STATISTICALLY SIGNIFICANT DIFFERENCES:
 - Autonomy
 - Personal_Growth
 - Positive_Relations
 - Purpose_in_Life

=====

CROSS-FILE SIMILARITY ANALYSIS

=====

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: 188.350

Standard Deviation (SD): 11.593
Range: 162.000 - 205.000
Coefficient of Variation (CV): 0.062
✓ Very Low relative variability (extremely high overall similarity across files).

SUBSCALE LEVEL SIMILARITY (Mean & SD of Subscale Averages across files):
Autonomy: Mean=4.204, SD=0.257, CV=0.061
Environmental_Mastery: Mean=4.101, SD=0.154, CV=0.038
Personal_Growth: Mean=5.525, SD=0.544, CV=0.098
Positive_Relations: Mean=4.603, SD=0.276, CV=0.060
Purpose_in_Life: Mean=4.603, SD=0.586, CV=0.127
Self_Acceptance: Mean=4.025, SD=0.096, CV=0.024

Most variable subscale across files (highest CV): Purpose_in_Life (CV: 0.127)
Least variable subscale across files (lowest CV): Self_Acceptance (CV: 0.024)

OUTLIER ANALYSIS (Based on Global Ryff Total Scores):
■ MODERATE OUTLIERS (|z-score| > 2.0) - Potentially atypical Global Scores:
- Opus4nondet_claude_opus_4_20250514_t07_run1_ryff_responses_numbers.json [baseline]:
z-score=-2.27

=====

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

=====

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-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: Opus4nondet_claude_opus_4_20250514_t07_run1_ryff_responses_numbers.json
[baseline] - Status: VALID (3 errors)
Specific Invalid Entries in this file:
- Item 13: 443
- Item 18: 0
- Item 38: null

FILE: Opus4nondet_claude_opus_4_20250514_t07_run7_ryff_responses_numbers.json
[baseline] - Status: VALID (1 errors)
Specific Invalid Entries in this file:
- Item 29: 10054

FILE: Opus4nondet_claude_opus_4_20250514_t07_run9_ryff_responses_numbers.json
[baseline] - Status: VALID (1 errors)
Specific Invalid Entries in this file:
- Item 15: 10054

FILE: Opus4nondet_claude_opus_4_20250514_t07_run3_ryff_responses_numbers.json
[baseline] - Status: VALID (1 errors)
Specific Invalid Entries in this file:
- Item 38: 443

FILE: Opus4nondet_claude_opus_4_20250514_t07_run11_ryff_responses_numbers.json
[baseline] - Status: VALID (1 errors)
Specific Invalid Entries in this file:
- Item 16: 443

FILE: Opus4nondet_claude_opus_4_20250514_t07_run20_ryff_responses_numbers.json
[baseline] - Status: VALID (1 errors)
Specific Invalid Entries in this file:
- Item 22: 443

FILE: Opus4nondet_claude_opus_4_20250514_t07_run2_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run4_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run5_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run6_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run8_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run10_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run12_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run13_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run14_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run15_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run16_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run17_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run18_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_run19_ryff_responses_numbers.json
[baseline] - Status: VALID (0 errors)
No specific invalid entries found in this file.

```
FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run1_ryff_response
s_numbers.json [flowers] - Status: VALID (1 errors)
Specific Invalid Entries in this file:
- Item 29: 529
```

FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run19_ryff_respons
es_numbers.json [flowers] - Status: VALID (0 errors)
No specific invalid entries found in this file.

FILE: Opus4nondet_claude_opus_4_20250514_t07_variantC_flowerlines_P1_run20_ryff_respons
es_numbers.json [flowers] - Status: VALID (0 errors)
No specific invalid entries found in this file.

=====
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: 10

Breakdown of Error Types (Total occurrences):
- Out of Range / Non-Integer : 9 occurrences
- Null Values : 1 occurrences

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