User robot choice data imported successfully.
Initializing R bridge...
Estimated Parameters:
phi1: 3.3786
phi2: 0
tau: 22027.4658
error_sd: 1
Initial Preferences (from ASCs):
    -0.0165   -0.0888   0

=== Trial Analysis ===
Trial: 1
Participant: 125802
Actual Choice: Robot 1
M matrix (alternatives × attributes):
            C1 - Easy Nav, Low Exposure   C2 - Hard Nav, Low Exposure   C3 - Easy↙
Nav, High Exposure   C4 - Hard Nav, High Exposure

            _____   _____↙
_____   _____

    Robot1   0.54343   0.31976↙
0.27801   0.054343
    Robot2   0.47172   0.26144↙
0.25745   0.047172
    Robot3   0.51338   0.29132↙
0.2734   0.051338

DFT Results:
E_P: -41.75   47.63   -5.99
Choice probabilities: 0.000 1.000 0.000
Predicted choice: Robot 2
Actual choice: Robot 1

✗ Prediction differs from actual choice
=== Trial Analysis ===
Trial: 2
Participant: 141831
Actual Choice: Robot 2
M matrix (alternatives × attributes):
            C1 - Easy Nav, Low Exposure   C2 - Hard Nav, Low Exposure   C3 - Easy↙
Nav, High Exposure   C4 - Hard Nav, High Exposure

            _____   _____↙
_____   _____

    Robot1   0.6811   0.40031↙
0.34891   0.06811
    Robot2   0.68909   0.42691↙
0.3311   0.068909
    Robot3   0.6841   0.40566↙
0.34685   0.06841

DFT Results:
E_P: 1.23 -0.10 -1.23
Choice probabilities: 0.741 0.195 0.063
Predicted choice: Robot 1
Actual choice: Robot 2

✗ Prediction differs from actual choice
=== Trial Analysis ===
Trial: 3
Participant: 125802
Actual Choice: Robot 2
M matrix (alternatives × attributes):
                C1 - Easy Nav, Low Exposure   C2 - Hard Nav, Low Exposure   C3 - Easy↙
Nav, High Exposure   C4 - Hard Nav, High Exposure

                _____   _____↙
_____   _____

    Robot1   0.6507   0.37977↙
0.336   0.06507
    Robot2   0.68869   0.38829↙
0.36927   0.068869
    Robot3   0.72387   0.45686↙
0.33939   0.072387

DFT Results:
E_P: 46.89 -10.25 -36.74
Choice probabilities: 1.000 0.000 0.000
Predicted choice: Robot 1
Actual choice: Robot 2

✗ Prediction differs from actual choice
=== Trial Analysis ===
Trial: 4
Participant: 181700
Actual Choice: Robot 1
M matrix (alternatives × attributes):
                C1 - Easy Nav, Low Exposure   C2 - Hard Nav, Low Exposure   C3 - Easy↙
Nav, High Exposure   C4 - Hard Nav, High Exposure

                _____   _____↙
_____   _____

    Robot1   0.80554   0.46631↙
0.41979   0.080554
    Robot2   1   0.58121↙
0.51879   0.1
    Robot3   0.78959   0.43268↙
0.43587   0.078959

DFT Results:
E_P: 83.42 -177.92   94.40
Choice probabilities: 0.000 0.000 1.000

Predicted choice: Robot 3
Actual choice: Robot 1

✗ Prediction differs from actual choice
=== Trial Analysis ===
Trial: 5
Participant: 175044
Actual Choice: Robot 3
M matrix (alternatives × attributes):
            C1 - Easy Nav, Low Exposure   C2 - Hard Nav, Low Exposure   C3 - Easy↙
Nav, High Exposure   C4 - Hard Nav, High Exposure
            _____   _____↙

_____   _____

    Robot1   0.6189   0.33639↙
0.3444   0.06189
    Robot2   0.61927   0.30349↙
0.3777   0.061927
    Robot3   0.62796   0.33308↙
0.35768   0.062796

DFT Results:
E_P: 10.24 -4.67 -5.67
Choice probabilities: 1.000 0.000 0.000
Predicted choice: Robot 1
Actual choice: Robot 3

✗ Prediction differs from actual choice
=== Trial Analysis ===
Trial: 6
Participant: 123310
Actual Choice: Robot 2
M matrix (alternatives × attributes):
            C1 - Easy Nav, Low Exposure   C2 - Hard Nav, Low Exposure   C3 - Easy↙
Nav, High Exposure   C4 - Hard Nav, High Exposure
            _____   _____↙

_____   _____

    Robot1   0.49497   0.31992↙
0.22454   0.049497
    Robot2   0.49752   0.30399↙
0.24328   0.049752
    Robot3   0.43626   0.25157↙
0.22832   0.043626

DFT Results:
E_P: -17.79 -28.84   46.53
Choice probabilities: 0.000 0.000 1.000
Predicted choice: Robot 3
Actual choice: Robot 2

✗ Prediction differs from actual choice
=== Trial Analysis ===
Trial: 7
Participant: 214504
Actual Choice: Robot 1
M matrix (alternatives × attributes):
            C1 - Easy Nav, Low Exposure   C2 - Hard Nav, Low Exposure   C3 - Easy↙
Nav, High Exposure   C4 - Hard Nav, High Exposure

            _____   _____↙

_____   _____

    Robot1   0.22912   0.14371↙
0.10832   0.022912
    Robot2   0.29731   0.20306↙
0.12398   0.029731
    Robot3   0.043877   0.029185↙
0.01908   0.01

DFT Results:
E_P: -60.80 -144.24   204.93
Choice probabilities: 0.000 0.000 1.000
Predicted choice: Robot 3
Actual choice: Robot 1

✗ Prediction differs from actual choice
=== Trial Analysis ===
Trial: 8
Participant: 124737
Actual Choice: Robot 2
M matrix (alternatives × attributes):
            C1 - Easy Nav, Low Exposure   C2 - Hard Nav, Low Exposure   C3 - Easy↙
Nav, High Exposure   C4 - Hard Nav, High Exposure

            _____   _____↙

_____   _____

    Robot1   0.46002   0.25693↙
0.2491   0.046002
    Robot2   0.57772   0.33219↙
0.3033   0.057772
    Robot3   0.57407   0.32383↙
0.30765   0.057407

DFT Results:
E_P: 103.02 -52.71 -50.41
Choice probabilities: 1.000 0.000 0.000
Predicted choice: Robot 1
Actual choice: Robot 2

✗ Prediction differs from actual choice
=== Trial Analysis ===
Trial: 9

Participant: 124737
Actual Choice: Robot 2
M matrix (alternatives × attributes):
                C1 - Easy Nav, Low Exposure   C2 - Hard Nav, Low Exposure   C3 - Easy↙
Nav, High Exposure   C4 - Hard Nav, High Exposure

                _____   _____↙
_____   _____

    Robot1   0.56168   0.33205↙
0.2858   0.056168
    Robot2   0.55839   0.33465↙
0.27958   0.055839
    Robot3   0.56316   0.34728↙
0.27219   0.056316

DFT Results:
E_P: -3.55   2.76   0.69
Choice probabilities: 0.002 0.887 0.111
Predicted choice: Robot 2
Actual choice: Robot 2

✓ Prediction matches actual choice
=== Trial Analysis ===
Trial: 10
Participant: 142426
Actual Choice: Robot 2
M matrix (alternatives × attributes):
                C1 - Easy Nav, Low Exposure   C2 - Hard Nav, Low Exposure   C3 - Easy↙
Nav, High Exposure   C4 - Hard Nav, High Exposure

                _____   _____↙
_____   _____

    Robot1   0.68724   0.42189↙
0.33407   0.068724
    Robot2   0.68026   0.42501↙
0.32327   0.068026
    Robot3   0.70348   0.42172↙
0.35211   0.070348

DFT Results:
E_P: 4.50   16.94   -21.54
Choice probabilities: 0.000 1.000 0.000
Predicted choice: Robot 2
Actual choice: Robot 2

✓ Prediction matches actual choice
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