

User robot choice data imported successfully.

Initializing R bridge...

Estimated Parameters:

phi1: 0.3708

phi2: 0

tau: 153.1703

error\_sd: 0.1

Initial Preferences (from ASCs):

0.0312   -0.0471   0

=== Current Trial Analysis ===

Trial: 1

Participant: 1001

Actual Choice: Robot 2

M matrix (alternatives × attributes):

	energy	pace	safety	reliability	intelligence
	-----	-----	-----	-----	-----
Robot1	0.65	0.55	0.7	0.6	0.58
Robot2	0.75	0.45	0.8	0.65	0.62
Robot3	0.5	0.6	0.65	0.55	0.5

Choice Probability Distribution:

Probability

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Robot1	0.00086705
Robot2	0.99913
Robot3	1.6559e-06

DFT Results:

E\_P: -0.03   0.67   -0.66

Choice probabilities: 0.001   0.999   0.000

Predicted choice: Robot 2

Actual choice: Robot 2

✓ Prediction matches actual choice

=== Current Trial Analysis ===

Trial: 2

Participant: 1001

Actual Choice: Robot 1

M matrix (alternatives × attributes):

	energy	pace	safety	reliability	intelligence
	-----	-----	-----	-----	-----
Robot1	0.55	0.45	0.6	0.5	0.48
Robot2	0.7	0.35	0.75	0.6	0.57
Robot3	0.45	0.55	0.6	0.5	0.45

Choice Probability Distribution:

Probability

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Robot1	4.7386e-08
Robot2	0.9996
Robot3	0.00039935

## DFT Results:

E\_P: -0.87 0.82 0.04

Choice probabilities: 0.000 1.000 0.000

Predicted choice: Robot 2

Actual choice: Robot 1

✗ Prediction differs from actual choice

=== Current Trial Analysis ===

Trial: 3

Participant: 1001

Actual Choice: Robot 3

M matrix (alternatives × attributes):

	energy	pace	safety	reliability	intelligence
Robot1	0.6	0.5	0.65	0.55	0.53
Robot2	0.65	0.4	0.7	0.55	0.6
Robot3	0.55	0.65	0.7	0.6	0.55

## Choice Probability Distribution:

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Probability

Robot1	2.689e-11
Robot2	1.7535e-12
Robot3	1

## DFT Results:

E\_P: -0.73 -1.00 1.71

Choice probabilities: 0.000 0.000 1.000

Predicted choice: Robot 3

Actual choice: Robot 3

✓ Prediction matches actual choice

=== Current Trial Analysis ===

Trial: 4

Participant: 1002

Actual Choice: Robot 2

M matrix (alternatives × attributes):

	energy	pace	safety	reliability	intelligence
Robot1	0.7	0.6	0.75	0.65	0.63
Robot2	0.8	0.5	0.85	0.7	0.67
Robot3	0.6	0.7	0.75	0.65	0.6

Choice Probability Distribution:

Probability

Robot1	0.00010438
Robot2	0.12028
Robot3	0.87962

DFT Results:

E\_P: -0.54 0.16 0.36

Choice probabilities: 0.000 0.120 0.880

Predicted choice: Robot 3

Actual choice: Robot 2

**X** Prediction differs from actual choice

=== Current Trial Analysis ===

Trial: 5

Participant: 1002

Actual Choice: Robot 1

M matrix (alternatives × attributes):

	energy	pace	safety	reliability	intelligence
Robot1	0.5	0.4	0.55	0.45	0.43
Robot2	0.6	0.3	0.65	0.5	0.52
Robot3	0.4	0.5	0.55	0.45	0.4

Choice Probability Distribution:

Probability

Robot1	0.0001041
Robot2	0.12263
Robot3	0.87727

DFT Results:

E\_P: -0.54 0.16 0.36

Choice probabilities: 0.000 0.123 0.877

Predicted choice: Robot 3

Actual choice: Robot 1

**X** Prediction differs from actual choice

=== Current Trial Analysis ===

Trial: 6

Participant: 1002

Actual Choice: Robot 3

M matrix (alternatives × attributes):

	energy	pace	safety	reliability	intelligence
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Robot1	0.75	0.65	0.8	0.7	0.68
Robot2	0.85	0.55	0.9	0.75	0.73
Robot3	0.65	0.75	0.8	0.7	0.65

Choice Probability Distribution:

Probability

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Robot1	0.00010432
Robot2	0.12074
Robot3	0.87915

DFT Results:

E\_P: -0.54 0.16 0.36

Choice probabilities: 0.000 0.121 0.879

Predicted choice: Robot 3

Actual choice: Robot 3

✓ Prediction matches actual choice

=== Current Trial Analysis ===

Trial: 7

Participant: 1003

Actual Choice: Robot 2

M matrix (alternatives × attributes):

	energy	pace	safety	reliability	intelligence
Robot1	0.58	0.48	0.63	0.53	0.51
Robot2	0.68	0.38	0.73	0.58	0.61
Robot3	0.48	0.58	0.63	0.53	0.48

Choice Probability Distribution:

Probability

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Robot1	0.00010404
Robot2	0.1231
Robot3	0.87679

DFT Results:

E\_P: -0.54 0.17 0.36

Choice probabilities: 0.000 0.123 0.877

Predicted choice: Robot 3

Actual choice: Robot 2

✗ Prediction differs from actual choice

=== Current Trial Analysis ===

Trial: 8

Participant: 1003

Actual Choice: Robot 1

M matrix (alternatives × attributes):

	energy	pace	safety	reliability	intelligence
	-----	-----	-----	-----	-----
Robot1	0.62	0.52	0.67	0.57	0.55
Robot2	0.72	0.42	0.77	0.62	0.65
Robot3	0.52	0.62	0.67	0.57	0.52

Choice Probability Distribution:

Probability

	-----
Robot1	0.00010404
Robot2	0.1231
Robot3	0.87679

DFT Results:

E\_P: -0.54 0.17 0.36

Choice probabilities: 0.000 0.123 0.877

Predicted choice: Robot 3

Actual choice: Robot 1

**X** Prediction differs from actual choice

=== Current Trial Analysis ===

Trial: 9

Participant: 1003

Actual Choice: Robot 3

M matrix (alternatives × attributes):

	energy	pace	safety	reliability	intelligence
	-----	-----	-----	-----	-----
Robot1	0.67	0.57	0.72	0.62	0.6
Robot2	0.77	0.47	0.82	0.67	0.7
Robot3	0.57	0.67	0.72	0.62	0.57

Choice Probability Distribution:

Probability

	-----
Robot1	0.00010404
Robot2	0.1231
Robot3	0.87679

DFT Results:

E\_P: -0.54 0.17 0.36

Choice probabilities: 0.000 0.123 0.877

Predicted choice: Robot 3

Actual choice: Robot 3

**✓** Prediction matches actual choice

=== Current Trial Analysis ===

Trial: 10

Participant: 1004

Actual Choice: Robot 2

M matrix (alternatives × attributes):

	energy	pace	safety	reliability	intelligence
	-----	-----	-----	-----	-----
Robot1	0.53	0.43	0.58	0.48	0.46
Robot2	0.63	0.33	0.68	0.53	0.56
Robot3	0.43	0.53	0.58	0.48	0.43

Choice Probability Distribution:

Probability

Robot1	0.00010404
Robot2	0.1231
Robot3	0.87679

DFT Results:

E\_P: -0.54 0.17 0.36

Choice probabilities: 0.000 0.123 0.877

Predicted choice: Robot 3

Actual choice: Robot 2

**X** Prediction differs from actual choice

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