

User robot choice data imported successfully.

Initializing R bridge...

Estimated Parameters:

phi1: 1.4903

phi2: 0

tau: 22027.4658

error_sd: 1

Initial Preferences (from ASCs):

1.0988 -1.2563 0

=== Trial Analysis ===

Trial: 1

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	0.45455	0.28304 ✓
0.21696	0.045455	
Robot2	0.45466	0.2682 ✓
0.2318	0.045338	
Robot3	0.4545	0.26992 ✓
0.23033	0.045244	

DFT Results:

E_P: 4.36 -2.94 -1.58

Choice probabilities: 0.997 0.001 0.003

Predicted choice: Robot 1

Actual choice: Robot 1

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 2

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	0.45455	0.26197 ✓
0.23803	0.045455	
Robot2	0.45451	0.26568 ✓
0.23432	0.045487	
Robot3	0.45455	0.25071 ✓
0.24921	0.045538	

DFT Results:

E_P: 1.72 0.62 -2.50

Choice probabilities: 0.743 0.246 0.011

Predicted choice: Robot 1

Actual choice: Robot 1

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 3

Participant: 214504

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	0.45471		0.28335✓
0.21665		0.045288	
Robot2	0.454		0.26998✓
0.23077		0.045249	
Robot3	0.45398		0.29953✓
0.20125		0.045242	

DFT Results:

E_P: 1.08 -5.75 4.51

Choice probabilities: 0.031 0.000 0.969

Predicted choice: Robot 3

Actual choice: Robot 2

✗ Prediction differs from actual choice

=== Trial Analysis ===

Trial: 4

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	0.45429		0.25395✓
0.24605		0.045711	
Robot2	0.4546		0.27242✓
0.22744		0.045544	
Robot3	0.45455		0.29915✓
0.20085		0.045455	

DFT Results:

E_P: -4.90 -2.16 6.90

Choice probabilities: 0.000 0.000 1.000

Predicted choice: Robot 3

Actual choice: Robot 1

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 5

Participant: 181700

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	0.45445	0.25374 ✓
0.24638	0.04542	
Robot2	0.45451	0.23402 ✓
0.26619	0.045281	
Robot3	0.45455	0.25576 ✓
0.24424	0.045455	

DFT Results:

E_P: 3.02 -5.88 2.70

Choice probabilities: 0.579 0.000 0.421

Predicted choice: Robot 1

Actual choice: Robot 3

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 6

Participant: 181700

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	0.45467	0.25836 ✓
0.24164	0.045335	
Robot2	0.45434	0.24862 ✓
0.25138	0.045664	
Robot3	0.45449	0.28821 ✓
0.21179	0.045507	

DFT Results:

E_P: -1.55 -5.71 7.09

Choice probabilities: 0.000 0.000 1.000

Predicted choice: Robot 3

Actual choice: Robot 3

✓ Prediction matches 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	0.45482	0.2628 ✓
0.2372	0.045181	
Robot2	0.45445	0.26998 ✓
0.23014	0.04542	
Robot3	0.45479	0.27781 ✓
0.22192	0.045479	

DFT Results:

E_P: -1.82 -1.17 2.82

Choice probabilities: 0.009 0.018 0.973

Predicted choice: Robot 3

Actual choice: Robot 1

✗ Prediction differs from actual choice

=== Trial Analysis ===

Trial: 8

Participant: 181700

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	0.45453	0.2672 ✓
0.2328	0.045473	
Robot2	0.45457	0.26392 ✓
0.23594	0.045573	
Robot3	0.45451	0.2802 ✓
0.2199	0.045387	

DFT Results:

E_P: 0.09 -2.87 2.62

Choice probabilities: 0.073 0.004 0.923

Predicted choice: Robot 3

Actual choice: Robot 2

✗ Prediction differs from actual choice

=== Trial Analysis ===

Trial: 9

Participant: 214504

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	0.45447	0.26809
0.23191	0.045525	
Robot2	0.45458	0.28524
0.21455	0.045623	
Robot3	0.45455	0.26187
0.23813	0.045455	

DFT Results:

E_P: -0.07 3.23 -3.32

Choice probabilities: 0.035 0.963 0.001

Predicted choice: Robot 2

Actual choice: Robot 3

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 10

Participant: 181700

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	0.45453	0.2667
0.2333	0.04547	
Robot2	0.45453	0.24563
0.25437	0.045473	
Robot3	0.45452	0.2388
0.26134	0.045345	

DFT Results:

E_P: 6.25 -2.54 -3.87

Choice probabilities: 1.000 0.000 0.000

Predicted choice: Robot 1

Actual choice: Robot 3

X Prediction differs from actual choice

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