

User robot choice data imported successfully.

Initializing R bridge...

Estimated Parameters:

phi1: 1.7857

phi2: 0.1

tau: 22027.4658

error_sd: 0.1

Initial Preferences (from ASCs):

0.0147 0.0144 0

=== Trial Analysis ===

Trial: 1

Participant: 125802

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	0.94477		0.55462 ✓
0.48464		0.094477	
Robot2	1		0.62142 ✓
0.47858		0.1	
Robot3	0.93419		0.55539 ✓
0.47222		0.093419	

DFT Results:

E_P: -27.12 32.22 -5.10

Choice probabilities: 0.000 1.000 0.000

Predicted choice: Robot 2

Actual choice: Robot 3

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 2

Participant: 141831

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	0.87053		0.48874 ✓
0.46885		0.087053	
Robot2	0.93839		0.53971 ✓
0.49252		0.093839	
Robot3	0.96628		0.55489 ✓

0.50802

0.096628

DFT Results:

E_P: 1.45 5.77 -7.22

Choice probabilities: 0.000 1.000 0.000

Predicted choice: Robot 2

Actual choice: Robot 3

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 3

Participant: 125802

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	0.84367		0.50303
0.42501		0.084367	
Robot2	0.88931		0.47701
0.50123		0.088931	
Robot3	0.9548		0.52581
0.52446		0.09548	

DFT Results:

E_P: 22.08 -27.20 5.13

Choice probabilities: 1.000 0.000 0.000

Predicted choice: Robot 1

Actual choice: Robot 3

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 4

Participant: 141831

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	0.68533		0.39689
0.35698		0.068533	
Robot2	0.63962		0.38855
0.31503		0.063962	
Robot3	0.54008		0.24681
0.34727		0.054008	

DFT Results:

E_P: 4.85 42.04 -46.88

Choice probabilities: 0.000 1.000 0.000

Predicted choice: Robot 2

Actual choice: Robot 1

✗ Prediction differs from actual choice

=== Trial Analysis ===

Trial: 5

Participant: 141831

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	0.77247	0.42946
0.42025	0.077247	
Robot2	0.76894	0.42594
0.4199	0.076894	
Robot3	0.74416	0.43331
0.38527	0.074416	

DFT Results:

E_P: -13.47 -16.07 29.54

Choice probabilities: 0.000 0.000 1.000

Predicted choice: Robot 3

Actual choice: Robot 3

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 6

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	0.68026	0.42678
0.32151	0.068026	
Robot2	0.99366	0.57982
0.51321	0.099366	
Robot3	0.88458	0.49437
0.47867	0.088458	

DFT Results:

E_P: 11.62 19.57 -31.12

Choice probabilities: 0.000 1.000 0.000

Predicted choice: Robot 2

Actual choice: Robot 1

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 7

Participant: 141831

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	0.9783		0.52929 ✓
0.54684		0.09783	
Robot2	0.98364		0.53552 ✓
0.54648		0.098364	
Robot3	0.99728		0.55591 ✓
0.54109		0.099728	

DFT Results:

E_P: -12.57 -6.80 19.37

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: 8

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	0.67292		0.33957 ✓
0.40065		0.067292	
Robot2	0.83818		0.50121 ✓
0.42079		0.083818	
Robot3	0.81969		0.45539 ✓
0.44627		0.081969	

DFT Results:

E_P: -17.36 43.97 -26.62
 Choice probabilities: 0.000 1.000 0.000
 Predicted choice: Robot 2
 Actual choice: Robot 2

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 9

Participant: 125802

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	0.77009		0.40064 ✓
0.44645		0.077009	
Robot2	0.90326		0.52297 ✓
0.47062		0.090326	
Robot3	0.7167		0.38704 ✓
0.40133		0.07167	

DFT Results:

E_P: -37.81 17.78 20.05
 Choice probabilities: 0.000 0.000 1.000
 Predicted choice: Robot 3
 Actual choice: Robot 3

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 10

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	0.70518		0.41383 ✓
0.36187		0.070518	
Robot2	0.82827		0.49191 ✓
0.41919		0.082827	
Robot3	0.77666		0.46927 ✓
0.38505		0.077666	

DFT Results:

E_P: -0.72 -14.20 14.92

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Choice probabilities: 0.000  0.000  1.000  
Predicted choice: Robot 3  
Actual choice: Robot 1
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X Prediction differs from actual choice  
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