

User robot choice data imported successfully.

Initializing R bridge...

Estimated Parameters:

phi1: 1.3524

phi2: 0

tau: 22027.4658

error_sd: 1

Initial Preferences (from ASCs):

0.0804 0.1052 0

=== Trial Analysis ===

Trial: 1

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: 5.75 19.68 -25.25

Choice probabilities: 0.000 1.000 0.000

Predicted choice: Robot 2

Actual choice: Robot 2

✓ Prediction matches 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	0.56308		0.31858 ✓
0.30081		0.056308	
Robot2	0.40984		0.23437 ✓
0.21645		0.040984	
Robot3	0.46388		0.24127 ✓

0.269

0.046388

DFT Results:

E_P: -149.12 125.40 23.91

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: 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	0.54434		0.26844 ✓
0.33034		0.054434	
Robot2	0.56847		0.29649 ✓
0.32882		0.056847	
Robot3	0.62865		0.36197 ✓
0.32954		0.062865	

DFT Results:

E_P: 60.67 20.46 -80.94

Choice probabilities: 1.000 0.000 0.000

Predicted choice: Robot 1

Actual choice: Robot 2

X 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	0.3221		0.20393 ✓
0.15038		0.03221	
Robot2	0.37192		0.23607 ✓
0.17304		0.037192	
Robot3	0.3073		0.20681 ✓
0.13122		0.03073	

DFT Results:

E_P: 19.93 -68.31 48.57

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 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	0.60171	0.3238
0.33808	0.060171	
Robot2	0.6273	0.34055
0.34948	0.06273	
Robot3	0.70299	0.43392
0.33937	0.070299	

DFT Results:

E_P: 72.00 26.73 -98.55

Choice probabilities: 1.000 0.000 0.000

Predicted choice: Robot 1

Actual choice: Robot 1

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 6

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	0.49881	0.21824
0.33045	0.049881	
Robot2	0.52347	0.25667
0.31915	0.052347	
Robot3	0.54088	0.32042
0.27455	0.054088	

DFT Results:

E_P: 32.96 -6.18 -26.59

Choice probabilities: 1.000 0.000 0.000

Predicted choice: Robot 1

Actual choice: Robot 2

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 7

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	0.55503		0.29677 ✓
0.31377		0.055503	
Robot2	0.60476		0.30797 ✓
0.35727		0.060476	
Robot3	0.59213		0.32648 ✓
0.32486		0.059213	

DFT Results:

E_P: 52.38 -39.92 -12.27

Choice probabilities: 1.000 0.000 0.000

Predicted choice: Robot 1

Actual choice: Robot 2

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 8

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	0.35531		0.22984 ✓
0.16099		0.035531	
Robot2	0.43872		0.26906 ✓
0.21353		0.043872	
Robot3	0.46441		0.30359 ✓
0.20726		0.046441	

DFT Results:

E_P: 114.55 -36.17 -78.19
 Choice probabilities: 1.000 0.000 0.000
 Predicted choice: Robot 1
 Actual choice: Robot 3

✗ Prediction differs from actual choice

=== Trial Analysis ===

Trial: 9

Participant: 142426

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	0.67606		0.4177 ✗
0.32597		0.067606	
Robot2	0.66489		0.41805 ✗
0.31333		0.066489	
Robot3	0.61536		0.38706 ✗
0.28983		0.061536	

DFT Results:

E_P: -43.45 -22.11 65.75
 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: 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: 107.78 -238.89 131.29

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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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