

User robot choice data imported successfully.

Initializing R bridge...

Estimated Parameters:

phi1: 2.5417

phi2: 0.1

tau: 22027.4658

error\_sd: 0.1

Initial Preferences (from ASCs):

0.0141      0.0131      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	0.758		0.39006 ✓
0.38295		0.015007	
Robot2	0.75062		0.42345 ✓
0.34143		0.014269	
Robot3	0.68271		0.33475 ✓
0.35544		0.01	

DFT Results:

E\_P: -12.32    -6.58    18.91

Choice probabilities: 0.000    0.000    1.000

Predicted choice: Robot 3

Actual choice: Robot 3

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 2

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	0.6831		0.32233 ✓
0.36828		0.01	
Robot2	0.62413		0.33277 ✓
0.29298		0.01	
Robot3	0.57014		0.29477 ✓

0.27159

0.01

DFT Results:

E\_P: -27.51 -3.17 30.68

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: 3

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	

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Robot1	0.65342		0.24903 ✓
0.40894		0.01	
Robot2	0.80043		0.42192 ✓
0.39776		0.019249	
Robot3	0.84794		0.44356 ✓
0.42839		0.024001	

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DFT Results:

E\_P: 11.44 -2.09 -9.35

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: 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	

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Robot1	0.7667		0.47769 ✓
0.30489		0.015877	
Robot2	0.76424		0.45273 ✓
0.32714		0.01563	
Robot3	0.83484		0.4868 ✓
0.37073		0.022691	

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DFT Results:

E\_P: 5.67 8.29 -13.96

Choice probabilities: 0.000 1.000 0.000

Predicted choice: Robot 2

Actual choice: Robot 2

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 5

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	0.99868	0.5267
0.51106	0.039075	
Robot2	0.82271	0.41973
0.42445	0.021478	
Robot3	0.88322	0.45201
0.45873	0.027529	

DFT Results:

E\_P: -12.96 10.58 2.38

Choice probabilities: 0.000 1.000 0.000

Predicted choice: Robot 2

Actual choice: Robot 2

✓ 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	1	0.56688
0.4757	0.039514	
Robot2	0.97999	0.56048
0.45672	0.037206	
Robot3	0.96385	0.51549
0.48396	0.035592	

DFT Results:

E\_P: -7.98 1.03 6.95

Choice probabilities: 0.000 0.000 1.000

Predicted choice: Robot 3

Actual choice: Robot 2

**X** Prediction differs from actual choice

=== Trial Analysis ===

Trial: 7

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
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Robot1	0.8221	0.43192		
0.4116		0.021417		
Robot2	0.89145	0.48402		
0.43578		0.028352		
Robot3	0.91995	0.49952		
0.45163		0.031202		

DFT Results:

E\_P: 14.92 -3.59 -11.33

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: 8

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
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Robot1	0.83805	0.49172		
0.36935		0.023012		
Robot2	0.68565	0.34671		
0.34671		0.01		
Robot3	0.72531	0.37528		
0.36177		0.011738		

DFT Results:

E\_P: -11.60 13.90 -2.30  
 Choice probabilities: 0.000 1.000 0.000  
 Predicted choice: Robot 2  
 Actual choice: Robot 1

✗ Prediction differs from actual choice

=== Trial Analysis ===

Trial: 9

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

	C1 - Easy Nav, Low Exposure	C2 - Hard Nav, Low Exposure	C3 - Easy Nav, High Exposure	C4 - Hard Nav, High Exposure
Robot1	0.65311		0.35537	
0.30227		0.01		
Robot2	0.77891		0.43516	
0.36085		0.017098		
Robot3	0.72616		0.41203	
0.32596		0.011823		

DFT Results:

E\_P: 26.29 -17.41 -8.88  
 Choice probabilities: 1.000 0.000 0.000  
 Predicted choice: Robot 1  
 Actual choice: Robot 1

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 10

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

	C1 - Easy Nav, Low Exposure	C2 - Hard Nav, Low Exposure	C3 - Easy Nav, High Exposure	C4 - Hard Nav, High Exposure
Robot1	0.89681		0.47678	
0.44891		0.028888		
Robot2	0.8398		0.4511	
0.41189		0.023187		
Robot3	0.93874		0.52389	
0.44793		0.033081		

DFT Results:

E\_P: -1.62 14.15 -12.53

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Choice probabilities: 0.000  1.000  0.000  
Predicted choice: Robot 2  
Actual choice: Robot 2
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✓ Prediction matches actual choice  
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