

User robot choice data imported successfully.

Initializing R bridge...

Estimated Parameters:

phi1: 2.1035

phi2: 0.1

tau: 22027.4658

error\_sd: 0.1

Initial Preferences (from ASCs):

0.0150      0.0148      0

=== Trial Analysis ===

Trial: 1

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	0.64965		0.35283 ✓
0.31176		0.014947	
Robot2	0.60261		0.34425 ✓
0.2686		0.010243	
Robot3	0.50018		0.1984 ✓
0.30178		0.01	

DFT Results:

E\_P: 1.29    34.38    -35.67

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: 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	0.73924		0.41585 ✓
0.3473		0.023906	
Robot2	0.67338		0.39096 ✓
0.29974		0.01732	
Robot3	0.68586		0.41791 ✓

0.28651

0.018568

DFT Results:

E\_P: -18.34 -7.21 25.55

Choice probabilities: 0.000 0.000 1.000

Predicted choice: Robot 3

Actual choice: Robot 3

✓ Prediction matches 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		

Robot1	0.7562		0.44808 ✓
0.33372		0.025602	
Robot2	0.66666		0.42694 ✓
0.25637		0.016648	
Robot3	0.73669		0.41555 ✓
0.34479		0.023651	

DFT Results:

E\_P: 8.61 14.41 -23.01

Choice probabilities: 0.000 1.000 0.000

Predicted choice: Robot 2

Actual choice: Robot 3

✗ Prediction differs from actual choice

=== Trial Analysis ===

Trial: 4

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	0.63688		0.29385 ✓
0.3567		0.01367	
Robot2	0.80694		0.46018 ✓
0.37743		0.030676	
Robot3	0.78791		0.41303 ✓
0.40365		0.028773	

DFT Results:

E\_P: -15.32 42.32 -27.01

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	0.96051	0.51539
0.49116	0.046033	
Robot2	0.90304	0.50631
0.43702	0.040286	
Robot3	1	0.55899
0.49099	0.049982	

DFT Results:

E\_P: -27.61 16.91 10.70

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 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	0.84846	0.45579
0.4275	0.034828	
Robot2	0.75631	0.37705
0.40488	0.025613	
Robot3	0.70977	0.34605
0.38468	0.020959	

DFT Results:

E\_P: 9.04 -11.39 2.35

Choice probabilities: 1.000 0.000 0.000

Predicted choice: Robot 1

Actual choice: Robot 1

✓ Prediction matches 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	0.73931		0.38635	
0.37687		0.023913		
Robot2	0.73568		0.38272	
0.37651		0.02355		
Robot3	0.71019		0.39031	
0.34088		0.021001		

DFT Results:

E\_P: -12.50 -15.28 27.79

Choice probabilities: 0.000 0.000 1.000

Predicted choice: Robot 3

Actual choice: Robot 3

✓ Prediction matches 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	0.85629		0.50756	
0.38434		0.035611		
Robot2	0.70283		0.36154	
0.36155		0.020265		
Robot3	0.74277		0.39031	
0.37671		0.024259		

DFT Results:

E\_P: 28.13   -6.17   -21.95  
 Choice probabilities: 1.000   0.000   0.000  
 Predicted choice: Robot 1  
 Actual choice: Robot 1

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 9

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	0.75051		0.44974 ✓
0.32581		0.025033	
Robot2	0.78565		0.49067 ✓
0.32353		0.028547	
Robot3	0.71747		0.40959 ✓
0.32961		0.021729	

DFT Results:

E\_P: 0.68   32.35   -33.02  
 Choice probabilities: 0.000   1.000   0.000  
 Predicted choice: Robot 2  
 Actual choice: Robot 2

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 10

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	0.84022		0.44734 ✓
0.42688		0.034004	
Robot2	0.91005		0.4998 ✓
0.45124		0.040987	
Robot3	0.93875		0.51542 ✓
0.46719		0.043857	

DFT Results:

E\_P: 0.66   6.17   -6.83

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Choice probabilities: 0.000  1.000  0.000  
Predicted choice: Robot 2  
Actual choice: Robot 3
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X Prediction differs from actual choice  
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