

User robot choice data imported successfully.

Initializing R bridge...

Estimated Parameters:

phi1: 5

phi2: 0.1

tau: 5.9998

error_sd: 0.1

Initial Preferences (from ASCs):

0.0236 0.0289 0

=== Trial Analysis ===

Trial: 1

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	1.3997		0.84229 ✓
0.69735		0.13997	
Robot2	1.471		0.89837 ✓
0.71978		0.1471	
Robot3	1.4976		0.92025 ✓
0.72715		0.14976	

DFT Results:

E_P: 0.04 0.00 -0.04

Choice probabilities: 0.474 0.321 0.205

Predicted choice: Robot 1

Actual choice: Robot 1

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 2

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	1.187		0.61442 ✓
0.69131		0.1187	
Robot2	1.1089		0.52816 ✓
0.69168		0.11089	
Robot3	1.1885		0.6077 ✓

0.69963

0.11885

DFT Results:

E_P: -0.00 0.04 -0.03

Choice probabilities: 0.300 0.471 0.229

Predicted choice: Robot 2

Actual choice: Robot 1

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 3

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	1.218		0.70536 ✓
0.63443		0.1218	
Robot2	1.1367		0.69054 ✓
0.55988		0.11367	
Robot3	0.95984		0.43864 ✓
0.61719		0.095984	

DFT Results:

E_P: -0.06 0.01 0.05

Choice probabilities: 0.161 0.334 0.505

Predicted choice: Robot 3

Actual choice: Robot 2

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 4

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	1.3727		0.81419 ✓
0.69581		0.13727	
Robot2	1.259		0.7712 ✓
0.61366		0.1259	
Robot3	1.2805		0.81776 ✓
0.59082		0.12805	

DFT Results:

E_P: -0.05 0.04 0.01

Choice probabilities: 0.188 0.471 0.342

Predicted choice: Robot 2

Actual choice: Robot 3

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 5

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	1.5868	0.98673
0.75877	0.15868	
Robot2	1.4619	0.8791
0.72897	0.14619	
Robot3	1.459	0.89355
0.71138	0.1459	

DFT Results:

E_P: -0.04 0.04 0.01

Choice probabilities: 0.200 0.442 0.358

Predicted choice: Robot 2

Actual choice: Robot 3

X Prediction differs from 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	1.209	0.75849
0.57139	0.1209	
Robot2	1.766	1.0305
0.91209	0.1766	
Robot3	1.5721	0.87861
0.8507	0.15721	

DFT Results:

E_P: 0.23 -0.15 -0.06

Choice probabilities: 0.929 0.021 0.050

Predicted choice: Robot 1

Actual choice: Robot 1

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 7

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	1.4357		0.7958 ✓
0.78343		0.14357	
Robot2	1.4228		0.85387 ✓
0.71124		0.14228	
Robot3	1.3047		0.69961 ✓
0.7356		0.13047	

DFT Results:

E_P: -0.03 0.01 0.03

Choice probabilities: 0.234 0.339 0.427

Predicted choice: Robot 3

Actual choice: Robot 3

✓ Prediction matches 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	1.3922		0.87272 ✓
0.65868		0.13922	
Robot2	1.4529		0.94342 ✓
0.65475		0.14529	
Robot3	1.3351		0.80339 ✓
0.66525		0.13351	

DFT Results:

E_P: 0.01 -0.02 0.01
 Choice probabilities: 0.355 0.278 0.367
 Predicted choice: Robot 3
 Actual choice: Robot 2

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 9

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	1.5177	0.84514	
0.82432	0.15177		
Robot2	1.8646	1.0945	
0.95651	0.18646		
Robot3	1.7356	0.99504	
0.9141	0.17356		

DFT Results:

E_P: 0.13 -0.09 -0.04
 Choice probabilities: 0.764 0.089 0.147
 Predicted choice: Robot 1
 Actual choice: Robot 3

X Prediction differs from 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

Robot1	1.6563	0.96666	
0.85526	0.16563		
Robot2	1.753	0.98833	
0.93993	0.1753		
Robot3	1.8425	1.1629	
0.86388	0.18425		

DFT Results:

E_P: 0.07 -0.01 -0.05

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Choice probabilities: 0.563  0.269  0.168  
Predicted choice: Robot 1  
Actual choice: Robot 2
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X Prediction differs from actual choice  
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