

User robot choice data imported successfully.

Initializing R bridge...

Estimated Parameters:

phi1: -0.2493

phi2: 0.1799

tau: 22027.4658

error_sd: 1

Initial Preferences (from ASCs):

0.1118 -1.1965 0

=== Trial Analysis ===

Trial: 1

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	0.00769		0.00487✓
0.00359		0.00077	
Robot2	0.0152		0.01013✓
0.00659		0.00152	
Robot3	0.01841		0.01154✓
0.00871		0.00184	

DFT Results:

E_P: 10.74 -3.35 -7.39

Choice probabilities: 1.000 0.000 0.000

Predicted choice: Robot 1

Actual choice: Robot 1

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 2

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	0.02599		0.01525✓
0.01334		0.0026	
Robot2	0.02289		0.01237✓
0.01281		0.00229	
Robot3	0.01694		0.0089✓
0.00974		0.00169	

DFT Results:

E_P: -6.47 -2.31 8.79

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: 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	0.0205		0.01187✓
0.01069		0.00205	
Robot2	0.02545		0.01479✓
0.01321		0.00255	
Robot3	0.0201		0.01101✓
0.01109		0.00201	

DFT Results:

E_P: 2.93 -6.61 3.68

Choice probabilities: 0.323 0.000 0.677

Predicted choice: Robot 3

Actual choice: Robot 1

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 4

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	0.01033		0.00587✓
0.00549		0.00103	
Robot2	0.00985		0.00539✓
0.00545		0.00099	
Robot3	0.01588		0.01007✓
0.0074		0.00159	

DFT Results:

E_P: 3.35 2.91 -6.26

Choice probabilities: 0.607 0.392 0.000

Predicted choice: Robot 1

Actual choice: Robot 3

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	0.01532	0.00824
0.00861	0.00153	
Robot2	0.01597	0.00867
0.0089	0.0016	
Robot3	0.01789	0.01104
0.00864	0.00179	

DFT Results:

E_P: 2.38 -0.02 -2.36

Choice probabilities: 0.909 0.083 0.008

Predicted choice: Robot 1

Actual choice: Robot 1

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 6

Participant: 181700

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	0.00803	0.00485
0.00399	0.0008	
Robot2	0.01349	0.00873
0.00611	0.00135	
Robot3	0.01433	0.00889
0.00687	0.00143	

DFT Results:

E_P: 7.09 -3.49 -3.61

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: 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	0.0119	0.00741 ✓
0.00568	0.00119	
Robot2	0.00712	0.0042 ✓
0.00363	0.00071	
Robot3	0.00884	0.00525 ✓
0.00448	0.00088	

DFT Results:

E_P: -3.94 2.82 1.13

Choice probabilities: 0.001 0.843 0.156

Predicted choice: Robot 2

Actual choice: Robot 1

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 8

Participant: 214504

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	0.00402	0.00252 ✓
0.0019	0.0004	
Robot2	0.01158	0.00738 ✓
0.00536	0.00116	
Robot3	0.00946	0.00548 ✓
0.00492	0.00095	

DFT Results:

E_P: 7.71 -6.32 -1.39

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: 9

Participant: 214504

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	0.00529	0.00301
0.00282	0.00053	
Robot2	0.01584	0.00996
0.00747	0.00158	
Robot3	0.01086	0.00722
0.00472	0.00109	

DFT Results:

E_P: 9.60 -9.55 -0.05

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: 10

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	0.01539	0.00908
0.00785	0.00154	
Robot2	0.01462	0.00809
0.008	0.00146	
Robot3	0.0198	0.01169
0.01009	0.00198	

DFT Results:

E_P: 2.45 2.56 -5.01

Choice probabilities: 0.473 0.527 0.000

Predicted choice: Robot 2

Actual choice: Robot 3

X Prediction differs from actual choice

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