

User robot choice data imported successfully.

Initializing R bridge...

Estimated Parameters:

phi1: 3.3786

phi2: 0

tau: 22027.4658

error\_sd: 1

Initial Preferences (from ASCs):

-0.0165   -0.0888   0

=== Trial Analysis ===

Trial: 1

Participant: 124737

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	0.89528		0.54714 ✓
0.43768		0.089528	
Robot2	0.93259		0.56376 ✓
0.46209		0.093259	
Robot3	0.87915		0.5069 ✓
0.46017		0.087915	

DFT Results:

E\_P: 14.68   -37.86   23.08

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: 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	0.40275		0.22523 ✓
0.2178		0.040275	
Robot2	0.8083		0.48453 ✓
0.4046		0.08083	
Robot3	0.58487		0.38485 ✓
0.25851		0.058487	

## DFT Results:

E\_P: 252.84 -283.61 30.67

Choice probabilities: 1.000 0.000 0.000

Predicted choice: Robot 1

Actual choice: Robot 1

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 3

Participant: 123310

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	0.60576		0.40515 ✓
0.26119		0.060576	
Robot2	0.6058		0.35269 ✓
0.3137		0.06058	
Robot3	0.50725		0.30375 ✓
0.25423		0.050725	

## DFT Results:

E\_P: -30.31 -53.16 83.37

Choice probabilities: 0.000 0.000 1.000

Predicted choice: Robot 3

Actual choice: Robot 2

✗ Prediction differs from actual choice

=== Trial Analysis ===

Trial: 4

Participant: 124737

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	0.60813		0.36755 ✓
0.3014		0.060813	
Robot2	0.60098		0.36576 ✓
0.29532		0.060098	
Robot3	0.68376		0.40318 ✓
0.34896		0.068376	

## DFT Results:

E\_P: 31.61 42.20 -73.91

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: 5

Participant: 124737

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	0.62489	0.34476 ✓
0.34263	0.062489	
Robot2	0.73353	0.41301 ✓
0.39387	0.073353	
Robot3	0.69557	0.42582 ✓
0.33931	0.069557	

DFT Results:

E\_P: 74.04 -70.24 -3.90

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: 6

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	0.97673	0.52928 ✓
0.54513	0.097673	
Robot2	1	0.68485 ✓
0.61019	0.11773	
Robot3	0.76373	0.41753 ✓
0.42258	0.076373	

DFT Results:

E\_P: -83.18 -126.05 209.13

Choice probabilities: 0.000 0.000 1.000

Predicted choice: Robot 3

Actual choice: Robot 3

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 7

Participant: 175044

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	0.7038	0.41151 ✓
0.36267	0.07038	
Robot2	0.72857	0.42782 ✓
0.37361	0.072857	
Robot3	0.7149	0.43991 ✓
0.34648	0.07149	

DFT Results:

E\_P: 12.65 -19.98 7.22

Choice probabilities: 0.996 0.000 0.004

Predicted choice: Robot 1

Actual choice: Robot 3

✗ 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	0.44081	0.25366 ✓
0.23123	0.044081	
Robot2	0.27129	0.16289 ✓
0.13553	0.027129	
Robot3	0.33535	0.2157 ✓
0.15319	0.033535	

DFT Results:

E\_P: -128.04 103.72 24.21

Choice probabilities: 0.000 1.000 0.000

Predicted choice: Robot 2

Actual choice: Robot 3

✗ Prediction differs from actual choice

=== Trial Analysis ===

Trial: 9

Participant: 175044

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	0.54339	0.32074
0.27699	0.054339	
Robot2	0.55048	0.26926
0.33627	0.055048	
Robot3	0.61616	0.34471
0.33306	0.061616	

DFT Results:

E\_P: 46.53    12.83    -59.46

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: 10

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	0.3021	0.1746
0.15771	0.03021	
Robot2	0.89557	0.53182
0.45331	0.089557	
Robot3	0.41484	0.25359
0.20273	0.041484	

DFT Results:

E\_P: 313.54    -481.08    167.44

Choice probabilities: 1.000    0.000    0.000

Predicted choice: Robot 1

Actual choice: Robot 1

**✓** Prediction matches actual choice

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