

User robot choice data imported successfully.

Initializing R bridge...

Estimated Parameters:

phi1: 1.7857

phi2: 0.1

tau: 5.9998

error_sd: 0.1

Initial Preferences (from ASCs):

0.0147 0.0144 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	0.75073		0.44174 ✓
0.38406		0.075073	
Robot2	0.65166		0.36117 ✓
0.35565		0.065166	
Robot3	0.70922		0.40245 ✓
0.37769		0.070922	

DFT Results:

E_P: 0.01 0.00 -0.01

Choice probabilities: 0.362 0.344 0.294

Predicted choice: Robot 1

Actual choice: Robot 1

✓ 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	0.75966		0.45714 ✓
0.37848		0.075966	
Robot2	0.79839		0.48758 ✓
0.39065		0.079839	
Robot3	0.81282		0.49945 ✓

0.39465

0.081282

DFT Results:

E_P: 0.01 0.01 -0.01

Choice probabilities: 0.346 0.349 0.305

Predicted choice: Robot 2

Actual choice: Robot 1

✗ Prediction differs from actual choice

=== Trial Analysis ===

Trial: 3

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	0.65616	0.41166 ✗
0.31011	0.065616	
Robot2	0.95845	0.55927 ✗
0.49502	0.095845	
Robot3	0.85324	0.47686 ✗
0.46171	0.085324	

DFT Results:

E_P: 0.04 -0.01 -0.03

Choice probabilities: 0.486 0.279 0.234

Predicted choice: Robot 1

Actual choice: Robot 1

✓ Prediction matches 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		✗

Robot1	0.89893	0.52464 ✗
0.46418	0.089893	
Robot2	0.9514	0.5364 ✗
0.51013	0.09514	
Robot3	1	0.63114 ✗
0.46886	0.1	

DFT Results:

E_P: 0.01 -0.01 0.01

Choice probabilities: 0.345 0.283 0.373

Predicted choice: Robot 3

Actual choice: Robot 2

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 5

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	0.7012	0.40255
0.36877	0.07012	
Robot2	0.73686	0.41096
0.39959	0.073686	
Robot3	0.70097	0.4174
0.35367	0.070097	

DFT Results:

E_P: 0.01 -0.01 0.00

Choice probabilities: 0.352 0.309 0.339

Predicted choice: Robot 1

Actual choice: Robot 2

X Prediction differs from actual choice

=== Trial Analysis ===

Trial: 6

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	0.60907	0.35986
0.31012	0.060907	
Robot2	0.67856	0.41958
0.32683	0.067856	
Robot3	0.46398	0.17569
0.33468	0.046398	

DFT Results:

E_P: 0.02 0.03 -0.05

Choice probabilities: 0.391 0.413 0.195

Predicted choice: Robot 2

Actual choice: Robot 2

✓ 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	0.7428		0.38645 ✓
0.43063		0.07428	
Robot2	0.87125		0.50443 ✓
0.45395		0.087125	
Robot3	0.6913		0.37333 ✓
0.3871		0.06913	

DFT Results:

E_P: -0.01 0.01 -0.00

Choice probabilities: 0.312 0.365 0.323

Predicted choice: Robot 2

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		

Robot1	0.72392		0.3372 ✓
0.45911		0.072392	
Robot2	0.86423		0.46624 ✓
0.48441		0.086423	
Robot3	0.85139		0.44668 ✓
0.48985		0.085139	

DFT Results:

E_P: -0.00 0.01 -0.01
 Choice probabilities: 0.318 0.378 0.305
 Predicted choice: Robot 2
 Actual choice: Robot 1

✗ Prediction differs from actual choice

=== Trial Analysis ===

Trial: 9

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	0.95244		0.5352 ✗
0.51248		0.095244	
Robot2	0.89857		0.52669 ✗
0.46174		0.089857	
Robot3	0.98945		0.57607 ✗
0.51233		0.098945	

DFT Results:

E_P: -0.00 0.02 -0.01
 Choice probabilities: 0.312 0.391 0.297
 Predicted choice: Robot 2
 Actual choice: Robot 2

✓ Prediction matches actual choice

=== Trial Analysis ===

Trial: 10

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	0.64424		0.33347 ✗
0.3752		0.064424	
Robot2	0.60186		0.28665 ✗
0.3754		0.060186	
Robot3	0.64504		0.32982 ✗
0.37972		0.064504	

DFT Results:

E_P: 0.01 -0.00 -0.01

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Choice probabilities: 0.366  0.327  0.307  
Predicted choice: Robot 1  
Actual choice: Robot 1
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✓ Prediction matches actual choice  
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