

Parameter Settings for Numerical Analysis

Binary Idea Quality Models

Parameter	Description	Values Used
B	total budget	3, 4, 5, ..., 10
p	prior probability that an idea is good	0.1, 0.5, 0.85
g	conditional probability of positive signal given good idea	0.6, 0.8, 0.9
b	conditional probability of positive signal given bad idea	0.2, 0.4, 0.45

Notes:

- All combinations of (g, b) are paired as follows: (0.6, 0.4), (0.8, 0.2), (0.9, 0.45).
- For each (g, b) pair, simulations are run for all B values and each p value.

Beta-Distributed Idea Quality Models

Parameter	Description	Values Used
B	total budget	3, 4, 5, ..., 10
(α, β)	shape parameters for Beta prior	(1, 2), (2, 4), (6, 12), (2, 1), (4, 2), (12, 6)

Notes:

- For each (α, β) pair, simulations are run for all B values.