AHP-TOPSIS Dual-Phase Evaluation Framework

From "Single-Point Optimization" to "Multi-Dimensional Robustness"

Strategy A

Market-Driven

• Pure employment orientation
• No constraint checks
• Maximum AI skill allocation
• Risk: Equity & Safety gaps

TOPSIS Avg: 0.45

VS
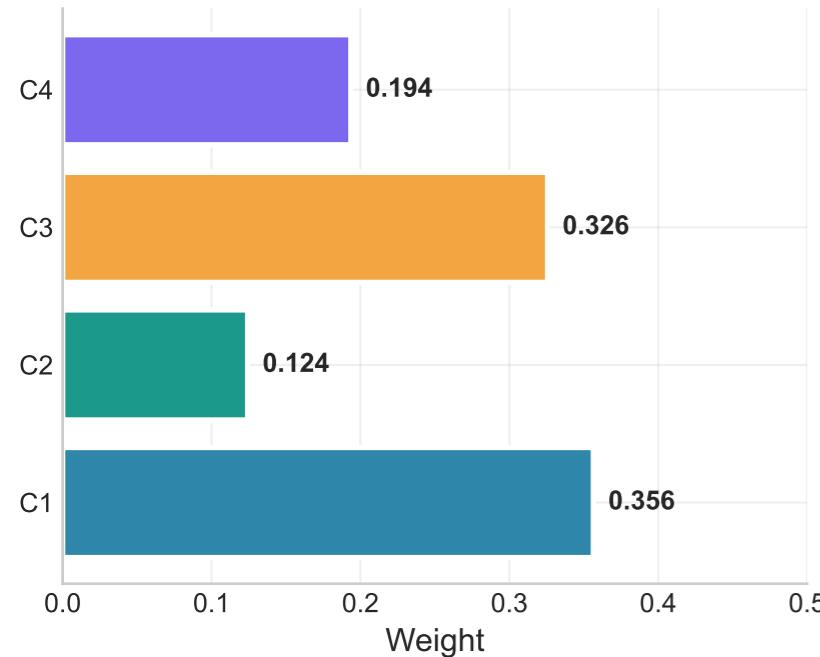
Strategy B

Ecological Steward
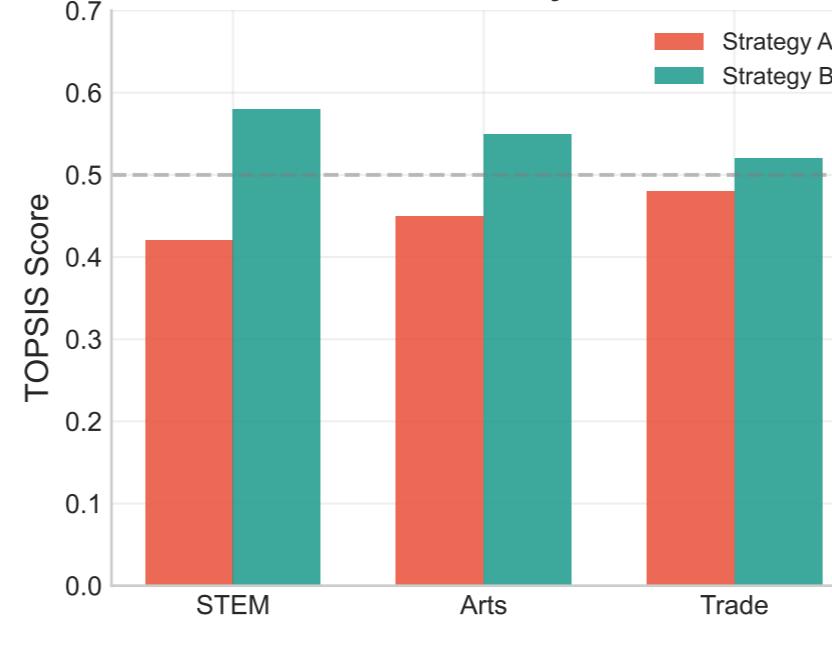
• Triple constraint checks
• E_{max} (Equity)
• β_{env} (Green Cap)
• γ (Safety Ratio)

TOPSIS Avg: 0.55 ▢

AHP Criteria Weights

Criteria	Weight
C4	0.194
C3	0.326
C2	0.124
C1	0.356

TOPSIS Scores by Career

Legend: Strategy A, Strategy B
Categories: STEM, Arts, Trade

Key Insights

✓ Data-driven scoring
✓ O*NET normalized C3
✓ Task 2 modeled C1
✓ Closed logic loop

"Optimal ≠ Maximum Employment"