

The Innovation Expansion: ML-Powered Divergent Thinking

From One Challenge to Thousands of Possibilities

FOCUS

EXPLORE

Single Challenge
1 challenge

Context Exploration
10 dimensions

Dimension Analysis
50 dimensions

Feature Discovery
100 features

Pattern Exploration
500 features

Idea Generation
1,000 ideas

Possibility Universe
5,000 ideas

ML: Problem Definition

ML: Data Collection

ML: Feature Engineering

ML: Attribute Extraction

ML: Correlation Analysis

ML: Generative Models

ML: Full Exploration Space

Systematic
Exploration

Combinatorial
Generation

Divergent
Thinking

Creative
Expansion

Machine Learning amplifies innovation through systematic exploration and creative combination

1 → 10× → 5× → 2× → 5× → 2× → 5× = 5000 possibilities from a single seed