

# Final Project Proposal

## 1 Dataset Source & Description

- **Proposed Dataset:**

<https://www.kaggle.com/datasets/dagloxxkankwanda/startup-failures>

<https://startups.gallery/categories/industries/ai>

<https://www.comparables.ai/our-data/financials/>

- **Description:** This dataset contains information on startup failures, including key attributes such as industry sector, funding rounds, founding year, and reasons for failure. The data provides valuable insights into patterns of startup failure.

## 2 Consulting Problem & Main Objective

- **Consulting Problem:** Analyzing AI startup failure factors to derive actionable insights for investors and entrepreneurs.
- **Main Objective:** Identify key factors influencing AI startup failures and provide data-driven recommendations to mitigate risks.
- **Context:**
  - **Potential Clients:** Venture capital firms, startup incubators, AI entrepreneurs, and policymakers in tech innovation.
  - **Importance:** As we approach 2025, the rapid expansion of large AI models is expected to reshape the startup landscape. By analyzing the successes and failures of AI startups, this study aims to develop a predictive model to guide the next generation of AI entrepreneurship, offering strategic insights for founders and investors.

## 3 Five Key Questions for Analysis

1. What are the most common reasons for AI startup failures based on the dataset?
2. How does funding impact the success or failure of AI startups?
3. Are there industry trends or specific sectors within AI that experience higher failure rates?

4. **Can we predict AI startup failure using machine learning models?**
5. **What role does the founding year and economic environment play in AI startup success or failure?**