Expert system with NLP

Feasibility of Expert System for record management and training

Companies have a difficult time transferring knowledge across locations and languages. When someone leaves they have a significant loss in knowledge. The company wants to evaluate the application of NLP to build an expert system in plant operations, to track maintenance and operating records. This might not be the right application of the tools, but it is possible to create a repository to handle all this unstructured data which would be submitted in multiple formats.

Market Analysis and Technology Roadmap for AI/LLM Startup:

NLP allows the creation of bespoke course material along with a set of complements for students. We want to challenge the underlying assumptions of the founder and build a pitch deck along the way. This would involve interviews of faculty to test and refine value proposition, better understand the limitations, and define future features. A MVP is already developed which will aid in rich interviews. The outcome will be a pitch deck, technology roadmap, resource and budget requirements.

Students will better understand LLM's in the process which will be applicable in any setting and discipline. Students will also gain an understanding of the fundraising process

Market Segmentation and Opportunity Analysis

Company C is the largest sawmill equipment manufacture in the world. Wood-Mizer has 3 manufacturing facilities globally and has sales operations in 30 countries through over 130 company branches and dealers. The Company would like assistance in performing market research and strategy for 3 segments of the sawmill market in the US and Canada.

- Small hobbyist sawmills ($3K - $15K)
- Medium – Large Farm and Business Sawmills ($15K - $100K)
- Large Commercial – Industrial ($100K - $10M)

Market diversification analysis

Market analysis for new market in truck trailer company

A large truck trailer company is looking at growth and diversification opportunities. This team will be working directly with the companies strategy group to better understand market opportunities for this organization. The company is a market leader in the segments they serve, and all opportunities are under consideration. This is a continuation of preliminary opportunity analysis which was started in the Spring by another ELI team so they will not be starting from scratch.

Go-To-Market plan for new board management software platform

OnBoard, a market leading board management solution, delivers solutions that make board meetings informed, effective, and uncomplicated. Empowering business leaders to focus on strategic decision making and oversight rather than delving on presentation heavy meetings. OnBoard is a governance ready platform for all organizations in a variety of industries.

Project Objective:
Identify & Recommend 3-4 new market opportunities for OnBoard's market expansion.

Problem or Symptom (If Applicable)**:**
Today, OnBoard has a market base spread across 300+ NAICS codes. While the organization has a focused go-to-market in 15-20 NAICS codes. The organization is looking to explore go-to-market funnel data to identify niche or net new industries that show growth potential for the company's services and a strong market value-need fit. Growth here is defined as revenue potential.

Carbon Footprint tracking for ESG

Finding the right E in ESG

Complication exist in the tracking of scope 3 for carbon footprint (CO2e). This is becoming a timely issue as ESG is moving into policy, versus marketing. The challenge is that companies working in this area use varying datasets which can all give a different answer.   These answers are based on aggregates of economic activity. The problem, for example, is that sage sourced from California is vastly different than sage sourced from Rwanda. What is the best way to advise a client on data use and ultimately, measurment? Students will need to understand the companies goals and process as well as current state of the art as it exists in scope 3 measurement.

SCAN ME