



# LAMARR

INSTITUTE FOR  
MACHINE LEARNING  
AND ARTIFICIAL  
INTELLIGENCE



## **AI Needs Assessment Guide**

Help your business identify opportunities for AI and ML integration while ensuring the best-fit solution for your unique challenges

The [ML Blog of the Lamarr Institute](#) provides expert insights, research highlights, and practical guidance in Artificial Intelligence (AI) and Machine Learning (ML). As part of our commitment to empowering businesses, this document features our **AI Needs Assessment Guide** to help you identify the best AI solutions tailored to your unique requirements. This questionnaire is designed to pinpoint areas where AI and ML could benefit your company. By answering the questions honestly, you'll gain a clearer understanding of your needs and receive actionable recommendations for the next steps. Use these insights to refine your AI strategy and take informed steps toward innovation.

## Your AI Needs Assessment Guide

### Section 1: Identify Your Data Types

1.  Yes  No Do you store structured data (e.g., spreadsheets, databases)?
2.  Yes  No Do you have unstructured data (e.g., emails, documents)?
3.  Yes  No Do you manage image data (e.g., product photos, visual assets)?
4.  Yes  No Do you have audio data (e.g., recorded customer calls)?
5.  Yes  No Do you work with time series data (e.g., trends, stock prices)?

Recommendation: If you have multiple types of data, prioritize analyzing datasets that align with your business goals.

### Section 2: Define Your Business Challenges

1.  Yes  No Do you have specific business problems you want to solve with AI?
2.  Yes  No Have you identified measurable goals for AI adoption?
3.  Yes  No Is leadership supportive of exploring AI solutions?
4.  Yes  No Do you face challenges in operational efficiency or decision-making?
5.  Yes  No Would predictive insights benefit your business processes?

Recommendation: If you score 3/5 or higher, focus on exploring AI solutions for these challenges.

### Section 3: Assess Your Data Readiness

1.  Yes  No Is your data organized and accessible?
2.  Yes  No Do you have sufficient data volume for analysis?
3.  Yes  No Is your data updated regularly?
4.  Yes  No Do you face challenges in data quality or integration?
5.  Yes  No Do you have a clear data ownership and governance structure?

Recommendation: If you score less than 3/5, consider improving your data management and quality.

## Section 4: Explore Potential AI Use Cases

1.  Yes  No Would you benefit from automating repetitive tasks?
2.  Yes  No Are you interested in customer insights (e.g., sentiment analysis, segmentation)?
3.  Yes  No Would real-time decision-making improve your operations?
4.  Yes  No Are you exploring ways to optimize supply chain or logistics?
5.  Yes  No Do you need advanced forecasting or predictive analytics?

Recommendation: With 3/5 or more, prioritize the most impactful use cases for implementation.

## Section 5: Evaluate Implementation Capacity

1.  Yes  No Do you have internal resources or teams skilled in AI/ML?
2.  Yes  No Do you have the necessary computing infrastructure?
3.  Yes  No Do you have experience working with external AI/ML partners?
4.  Yes  No Is there a budget allocated for AI initiatives?
5.  Yes  No Do you have project management resources to oversee AI implementations?

Recommendation: If you score less than 3/5, consider enhancing internal capabilities or external support options.

## Next Steps

After completing this guide, you should have a clearer picture of your AI/ML needs. For companies looking for support in implementing AI solutions, expert assistance can help streamline the process. Consider consulting with industry-leading institutions e.g., Fraunhofer IAIS, to refine your strategy and bring your AI vision to life.

## Contact Us

If you have questions or need guidance on AI integration or finding the right solution for your business, we're here to help! Send us an email at [blog@lamarr-institute.org](mailto:blog@lamarr-institute.org), and we'll gladly connect you with the right experts. Whether it's exploring potential use cases or tackling complex challenges, our partners at Fraunhofer IAIS are eager to provide tailored advice and support. Don't hesitate to reach out!