

# The MIT Data Science Lab

## Theoretically Elegant & Practically Relevant Research

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# MIT Data Science Lab: Executive Summary

Supply Chain Resiliency	Price Optimization	Personalized Offering	Inventory, Transportation & Procurement	Online Resources Allocation	Supply Chain Digitization
     	      	   	   	 	  

**Strategic intent:** Develop solutions to leading edge problems for lab partners through research that brings together data, modeling, and analysis to improve business performance

**Gross-industry:** Oil / Gas, Retail, Financial Services, Government, Insurance, Airlines, Industrial Equipment, Software

**Global footprint:** NA, EU, Asia, LA

# Selecting and Managing a Research Project

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- **Focus on real-world problems**
  - ♦ Understand the business environment
- **Devote and protect research time**
  - ♦ Write from the first day of the research project
- **Develop a “Minimum Viable Product”**
  - ♦ Get feedback before finalizing and submitting your paper
- **Get it out the door**
  - ♦ Find the right balance between “Improving and Finalizing”
- **Learn to listen and respond to each criticism**
  - ♦ Prepare a well-crafted “response-to-reviewers”



# **Your Research Portfolio**

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- **Choosing Problems and Taking Risks**
- **Replicability of Results**
- **Legal and Ethical Challenges**
- **Model Validation**
- **Managing Multiple Projects**
- **Choosing the right journal**

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