



10th Annual Analytics Capstone Showcase Program

EVENT AGENDA:

1:00-2:00pm Poster Session Wave #1
2:00-2:15pm MBAn Class of 2026 Group Photo
2:15-3:15pm Poster Session Wave #2
3:15-3:30pm Coffee Break
3:30-5:30pm Top 10 Presentations: mit.zoom.us/j/92282201923
5:30-7:00pm Cocktail Reception

Poster Wave #1: 1:00-2:00pm

Accenture

Simulated Surveys That Work

Franco Martino O'Rourke & Ioannis Panagiotopoulos | Faculty Advisor: Donald Sull

Advent International+

The Price is Right: An AI-Enabled Valuation and Benchmarking Platform

Ayela Chughtai & Riya Parikh | Faculty Advisor: David Thesmar

Assured Guaranty

Making Bonds Stronger in a Changing Climate: A Two-Stage Credit Rating Model

Owen Bao & Mark O'Brien | Faculty Advisor: Andy Sun

Athanasios C. Laskaridis Charitable Foundation

Optimizing for a CleanSweep of the Greek Coastline

Jocelyn Ju & Bria Weisblat | Faculty Advisor: Dimitris Bertsimas

Bangkok Bank

A new Lens on the Customers

Giuseppe Iannone & Luca Sfragara | Faculty Advisor: Retsef Levi

Catholic Relief Services (CRS)

Follow the Maize: Mapping Market Networks for Smarter Food Assistance

Lauren Montigue & Akoua Orsot | Faculty Advisor: Jeff Saviano

CERC

Turning Invoices into Credit Signal: Multimodal AI to Predict Brazilian Invoice Defaults

Rose Dana & Lottie Schulte-Bockum | Faculty Advisor: Rodrigo Verdi & Caio Barbosa

Circle K Stores

Circle K Test & Learn: Marketing Ideation to Experimentation

Justin Che & Jeremy Zhang | Faculty Advisor: Karen Zheng

City of Boston

A Novel Route: Optimizing Hold Fulfillment for the Boston Public Library

Nikan Hassanipak | Faculty Advisor: Daniel Freund

CMA CGM

Booking Smarter, Planning Further: Forecasting Container Demand to Simulate Allocation Decisions

Ivy Xu & Linda Zhang | Faculty Advisor: Stephen Graves

Coca-Cola Southwest Beverages

What's the Lift? Predicting Promotion Impact for Smarter Replenishment

Annie Liu & Brian Lu | Faculty Advisor: Stephen Graves

Comcast+

Beyond the Call: Agentic Knowledge Engine for Enterprise Customer Intelligence

Kaibo Zhang & Lauren Zhang | Faculty Advisor: Caio Barbosa

Disney

Comics, Clicks, and Causality: Personalization for Engagement That Persists

Trisha Sutivong & Hanna Zhang | Faculty Advisor: Rama Ramakrishnan

Farmers Insurance

Continuous Injury Model: Catching Injuries Early

Bechir El Hannachi & Marc Nasr | Faculty Advisor: Rahul Mazumder

FEMSA - Coca Cola

Talk to Your Data: A Governed Multi-Agent Business Insights System

Alex Montenegro Lopez | Faculty Advisor: Jose Pacheco

FEMSA - Spin

Reveal & Retain: Promoting Key Retention Behaviors of Profitable Users

Vardhan Koripally & Colby Smith | Faculty Advisor: Jose Pacheco

Ford ATP+

Developing a Scalable Data and Modeling Framework for Stamping Anomaly Detection

Joshua Cai | Faculty Advisor: Bruce Lawler

Ford ATP+

Lost in Translation: Mapping Entities Across Undocumented Plant Data

Erwin Deng & Antonio Santamaria | Faculty Advisor: Retsef Levi

GE Aerospace

Future of Flight: A Validation Agent for Contract-Simulation Alignment

Carey Cao & Catherine Ma | Faculty Advisor: Alex Jacquillat

VEG ER for Pets

CARE: Clinical Analytics for Reliable Evaluation

Eric Christenson & Cesar Dori | Faculty Advisor: Chara Podimata

Poster Wave 2: 2:15-3:15pm

Conagra

Production Scheduling Optimization: A MIP & Agentic AI Decision-Support System

Jacob Lebovitz & Theodore Skondras | Faculty Advisor: Bruce Lawler

GE Appliances+

PricePoint: Retail Predictive & Prescriptive Pricing Optimization

Rebecca Chang & Priscilla Lim | Faculty Advisor: Alex Jacquillat

Itaú Unibanco+

Catching & Ranking Risks

Constantinos Barmpouris & Youngjae Shim | Faculty Advisor: Rodrigo Verdi & Caio Barbosa

Itaú Unibanco+

Wall Street Bot: Automating Corporate Credit Analysis

Elie Juvenspan & Jeremie Taranto | Faculty Advisor: Rodrigo Verdi & Caio Barbosa

Level Agency

Architecting the Enterprise Brain: A Semantic Knowledge Graph for Agentic Systems

Karl Chaker & Matthieu Hakim | Faculty Advisor: Chara Podimata

Lineage

Billed It or Missed It? Detecting Missed Billing at Scale

Sophia Brady & Godwin Zonou | Faculty Advisor: Ilya Jackson

Manulife John Hancock

Seeing What AI Says, Testing What Would Change It

Frank Fan & Tong Lyu | Faculty Advisor: Jim Dougherty

MassMutual

AI-Driven Financial Advisor Dashboard: From Data Integration to Sales Impact

Louis Cui & Olivier Khorasani | Faculty Advisor: Jim Dougherty

McKinsey & Company

Detecting AI Mistakes Before They Reach the Client

Kevin Luo & Hindy Rossignol | Faculty Advisor: Donald Sull

MFS Investments

Next Best Topic: Personalized Conversations with Financial Advisors

Jessica Chen & Anna Liu | Faculty Advisor: Rodrigo Verdi

Microsoft+

Teaching Agents to Teach Themselves

Yue Ran Kang & Colton Mikolajczyk | Faculty Advisor: Jim Butler

Microsoft+

CloudLens: Connectivity Failure Diagnostics

Aya Hobeika & Jingxing Zou | Faculty Advisor: Jim Butler

MIT Lincoln Lab

Risk-Aware Tanker Basing and Scheduling for Contested Air Refueling Operations

Evan Hoch & Nathan Yoon | Faculty Advisor: William McEntee

nCino

From Loan Books to Leading Indicators: Uncovering Market Signals & Predicting Delinquency

Justine Murdock & Judy Zhu | Faculty Advisor: Allan Telio

Oliver Wyman

Graph Based Document Intelligence: Connecting Information for Better Decisions

Zhifei Li & Nathan Wangidjaja | Faculty Advisor: Alex Jacquillat

Pfizer

Swab Smarter, Not Harder: Optimizing Schedules for Cleaning Validation

Joey Ling & Sarvani Vinakollu | Faculty Advisor: Jim Butler

Sanofi

From Inventory Forecasts to Decision-Ready Signals

Bernardo Chalita & Maria Angel Lobon | Faculty Advisor: Daniel Freund

Tampa General Hospital+

Ready2Go: Real-Time Discharge Forecasting for Smarter Bed Management

Ryan Gibson & David Izrailov | Faculty Advisor: Georgia Perakis | PhD Advisor: Angela Lin

Unum Group+

AI-Assisted Regulatory Intelligence for Leave Eligibility Analysis

Yi Wang & Joyce Zhang | Faculty Advisor: Haihao Lu

Wayward

Bringing Predictability to the Creator Economy

Mrugank Pednekar & Barath Velmurugan | Faculty Advisor: Swati Gupta

Wonder

The Price of a Promise: Faster Scheduling for Automated Kitchens

Matteo Bonsignore & Nelson Lu | Faculty Advisor: Alex Jacquillat

+ Denotes MIT [Data Analytics Consortium](#) Member Company

For More Information, Visit Our Capstone Website:

www.analyticscapstone.mit.edu