

Helping Educators

# Drive Results Through

Data & AI



## Anticipate

MCG uses analytics and predictive machine learning models to identify growth barriers.



## Elevate

Our analytics platforms improve insights to sharpen and lift your outcomes.



## Accelerate

MCG rapidly delivers impactful solutions using proven accelerators and AI.

## A Different Kind Of Business Partner

Let MCG guide you to data and AI solutions that inform and automate your insights and operations.

## Ready to Advance with Data & AI?

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## Partner Success

# Transforming Higher Education with Data-Driven Successes

## Challenge

The University of Central Florida (UCF) needed a scalable, efficient data platform to unify disparate data sources, automate processes, and enhance decision-making across the institution.

## Solution

MCG implemented the Data and Analytics Resource Environment (DARE) platform, built on Azure, to unify UCF's siloed data sources into a single, accessible environment. The platform ingests, archives, and integrates live transactional data, enabling real-time reporting and data-driven decision-making. DARE's phased development included foundational infrastructure, live system integration, machine learning models, and enhanced reporting through Power BI—giving educators the insights needed to improve performance and student success.

## The MCG Impact

**Process Automation** Streamlined SUDS processing and reporting, reducing errors and saving staff time.

**Enterprise Data Lake** Built a scalable, cloud-based data architecture to support real-time analytics and long-term institutional growth.

**Enhanced Reporting** Delivered 25 customizable reports with SIF/ADM/SIFD editing capabilities and a Power BI orchestrator for better performance insights.

**Predictive Analytics** Applied 3 machine learning models to predict student retention, persistence, and course seat forecasting, enabling proactive resource allocation.

**Archive + New Sources** Integrated legacy data and added new sources to support historical reporting and future analytics.