



Helping Students Rise Up:
*Using Data Science and Design Thinking to
Improve Student Success*



Dr. [Mark Milliron](#), Co-Founder & CLO, Civitas Learning



MIT SLOAN SPORTS ANALYTICS CONFERENCE

MARCH 11 - 12, 2016 BOSTON CONVENTION AND EXHIBITION CENTER

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10TH ANNUAL



MIT SLOAN SPORTS ANALYTICS CONFERENCE

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42 ANALYTICS

MARCH 11-12, 2016

BOSTON CONVENTION & EXHIBITION CENTER

THE GREAT ANALYTICS RANKINGS

ESPN The Magazine and ESPN.com unleashed our experts and an army of researchers to rate 122 teams on the strength of each franchise's analytics staff, its buy-in from execs and coaches, its investment in biometric data and how much its approach is predicated on analytics. After looking at the stats, reaching out to every team and dozens of informed sources and evaluating each front office, we ranked an overall top 10 and bottom 10 and placed each team in one of five tiers by sport.

ILLUSTRATIONS BY ROBB HASKAMP

OVERALL
TOP 10

OVERALL
BOTTOM 10

Are the Lakers stuck in the stone age?

2/26/2015 - NBA, LOS ANGELES LAKERS

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FASTER,

HOW SPORTS SCIENCE IS CREATING

HIGHER,

a NEW GENERATION of SUPERATHLETES—

STRONGER

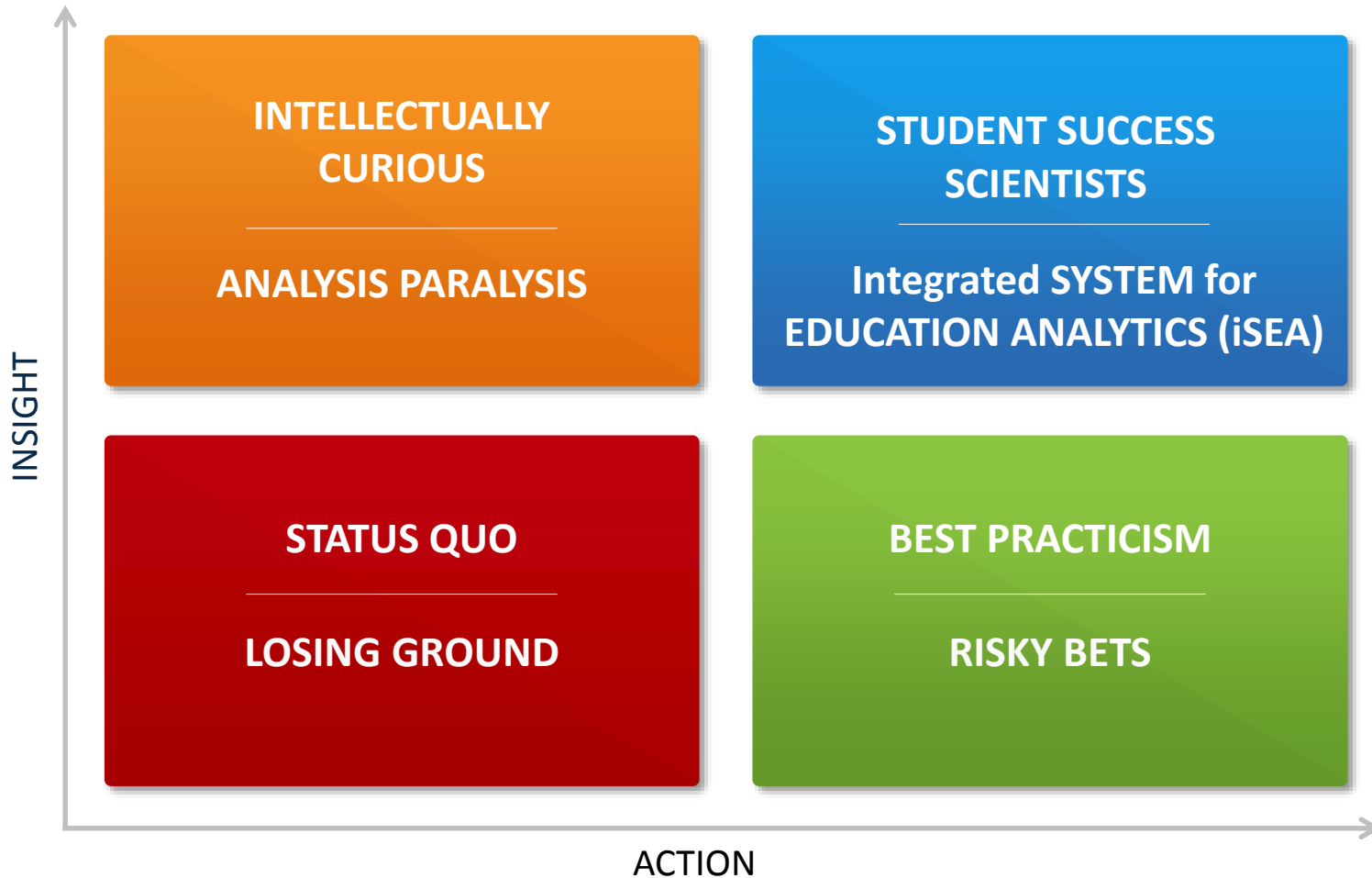
and WHAT WE CAN LEARN from THEM

MARK McCLUSKY

“The ability to learn faster than your competitors may be the only sustainable competitive advantage.”

DATA IMPACT MATRIX

BRINGING INSIGHT & ACTION TOGETHER



75 PARTNER INSTITUTIONS & SYSTEMS

1,000+ PREDICTIVE MODELS

PUBLIC 4-YEAR

PUBLIC 2-YEAR

FOR PROFIT

UMUC University of Maryland University College
THE UNIVERSITY OF ARIZONA
PENN STATE
UT BROWNSVILLE
FAU FLORIDA ATLANTIC UNIVERSITY
TEXAS A&M UNIVERSITY
JSU
MIAMI UNIVERSITY OXFORD, OH - EST. 1809
Central Florida University of
FIU FLORIDA INTERNATIONAL UNIVERSITY
UNIVERSITY OF WASHINGTON
UNIVERSITY OF LOUISIANA Lafayette
UNG UNIVERSITY OF NORTH GEORGIA
Cleveland State University
UCO UNIVERSITY OF CENTRAL OKLAHOMA
UNIVERSITY OF SOUTH FLORIDA
THE UNIVERSITY OF TEXAS AT AUSTIN
UTPA
BAY PATH UNIVERSITY
TEXAS A&M UNIVERSITY COMMERCE

VALENCIA COLLEGE
AUSTIN COMMUNITY COLLEGE
SINCLAIR COMMUNITY COLLEGE
STC South Texas College
KILGORE COLLEGE
Rio Salado College
LONE STAR COLLEGE
COLUMBUS STATE COMMUNITY COLLEGE
SPC
LOS RIOS COMMUNITY COLLEGE
ALAMO COLLEGES
Montgomery County Community College
COASTLINE COMMUNITY COLLEGE
NORTHEAST TEXAS COMMUNITY COLLEGE
Lorain County Community College
TEXARKANA COLLEGE
CITY COLLEGES OF CHICAGO
GOLDEN WEST COLLEGE GWC
BOSSIER PARISH COMMUNITY COLLEGE
Community College of Philadelphia
Dallas County Community College District
AMARILLO COLLEGE
West Shore Community College
LEE COLLEGE
Rowan-Cabarrus

DeVry Education Group
STRAYER UNIVERSITY
AMERICAN SENTINEL UNIVERSITY
AMU American Public University System **APU**
AliaTUniversidades

PRIVATE NON-PROFIT

BELLEVUE UNIVERSITY
LIBERTY UNIVERSITY
GRINNELL COLLEGE
MOREHOUSE COLLEGE
EXCELSIOR COLLEGE
NSU NOVA SOUTHEASTERN UNIVERSITY

SYSTEMS

THE UNIVERSITY OF TEXAS SYSTEM
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KCTCS
OVERSITY UNIVERSITY OF ARKANSAS SYSTEM

- **Bill Law**

President, St. Petersburg College

- **Paul Dosal**

*Vice Provost for Student Success
University of South Florida*

- **Laura Mercer**

*Director, Research, Analytics and
Reporting, Sinclair Community College*



TURN ON YOUR
OWN LIGHTS



DEVELOP TRY
AND TEST
MINDSETS



ACCEPT
ANALYTICS AS
MISSION
CRITICAL



USE DESIGN
THINKING ON
THE FRONT
LINES



CATALYZE
CONVERSATIONS
ABOUT ANALYTICS



TAKE SYSTEMS &
CULTURE SYNC
SERIOUSLY



LEAD IN THE
AGE OF
ANALYTICS



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RESEARCH & PRACTICE IN ASSESSMENT

Big Data and Learning Analytics

INSIGHT AND ACTION ANALYTICS: THREE CASE STUDIES TO CONSIDER

A journal article from Civitas Learning by Dr. Mark David
Milliron, Laura Malcolm and David Kil | RPA Journal |

[READ MORE](#)

The Million-More Mission of Civitas Learning

FEATURED STORIES



What Higher Education Looks Like in Common with Banking in 2024



In the Files: Weekly Update October 27



Letting Student Success Inspire



Videos That Inspire Learning



Three Big Questions - Episode 1



Using Degree Plans in Student Advising at ACC