

# Business Builders and ERPsim






Empowering educators with real-world  
analytics and gamified learning

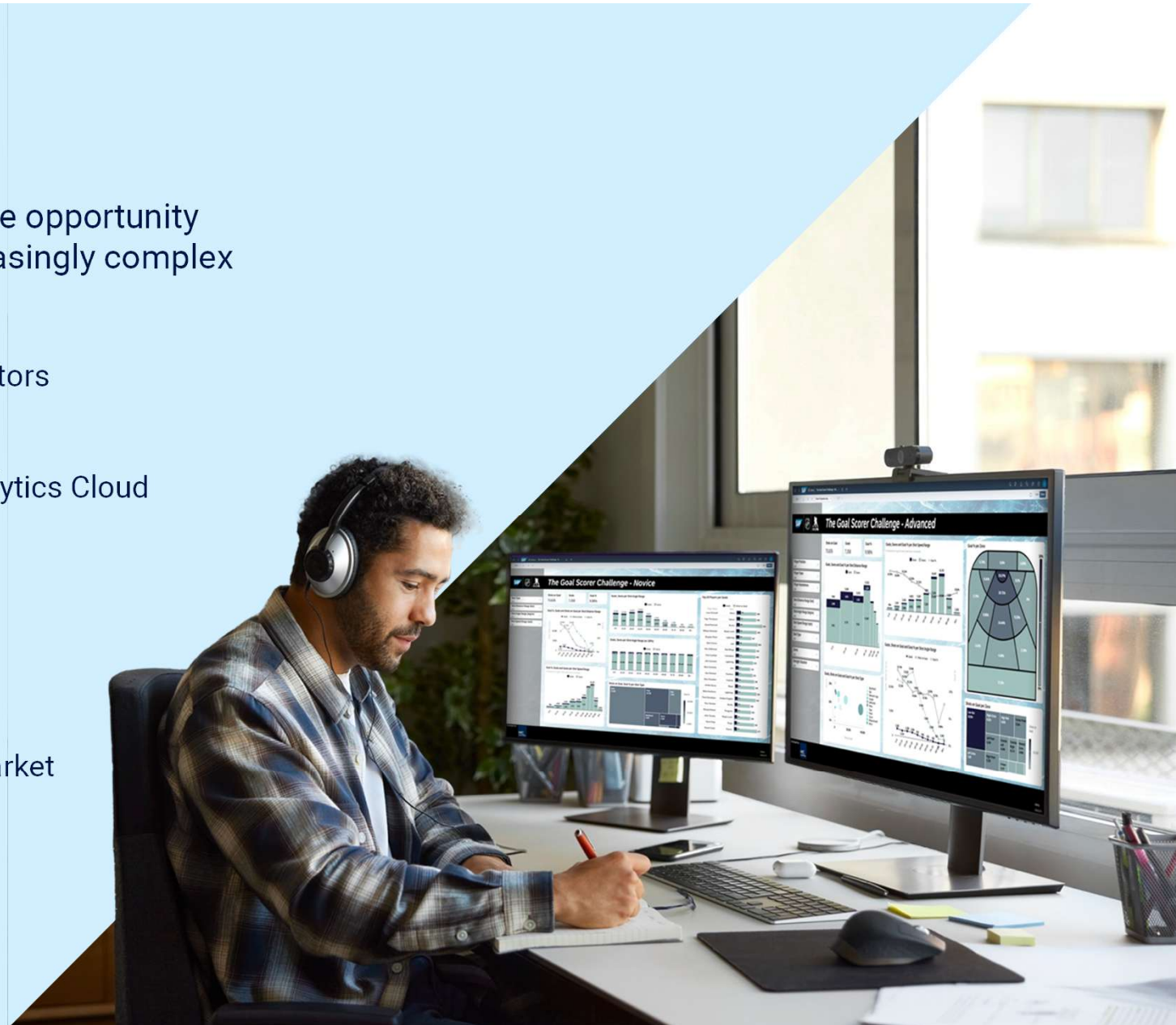


# Agenda

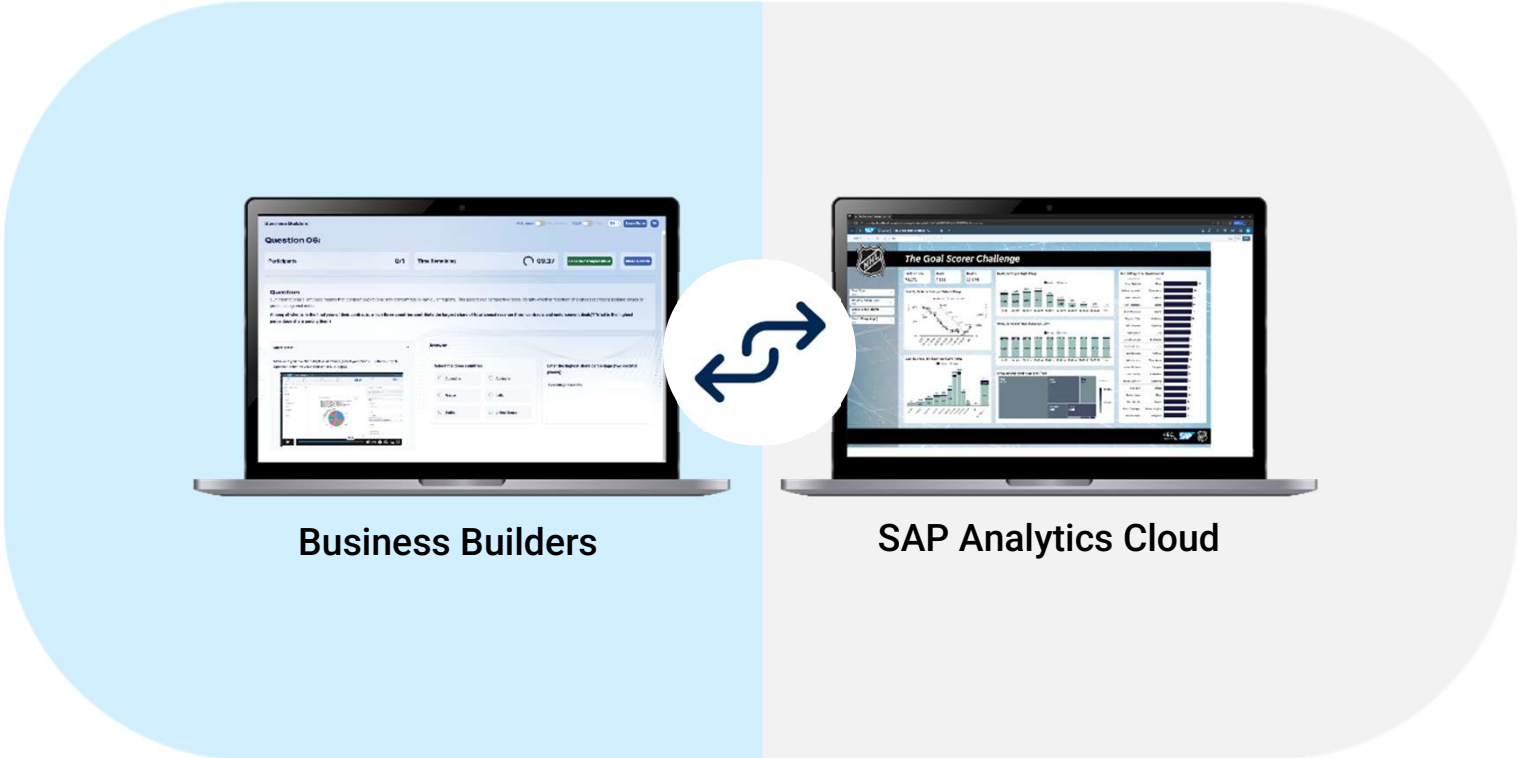
1. The Hockey Analyst
2. Sharing Experience
3. The Hockey Analyst scenario
4. Demo
5. Q&A

**Business Builders** gives educators the opportunity to prepare future leaders for an increasingly complex and data-driven world.

-  Free, cloud-based offering for educators and students
-  Data-driven scenarios with SAP Analytics Cloud
-  Designed by faculty for faculty
-  Students gain the practical skills to succeed in future careers
-  Competitive advantage in the job market



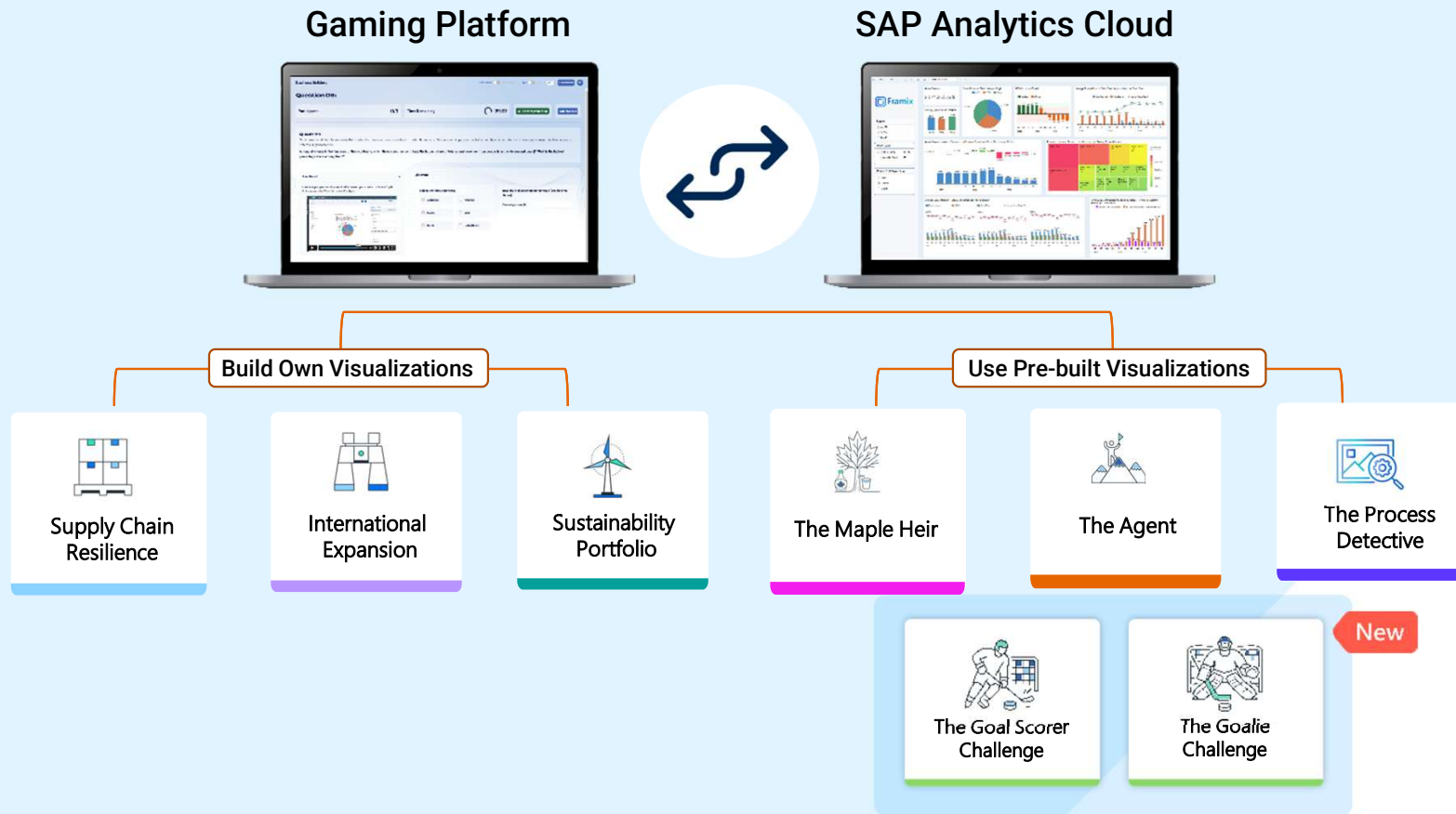
# Platforms



**Business Builders**

**SAP Analytics Cloud**

# The Business Builders Ecosystem



**“Hockey is fast, dynamic,  
and full of rich data.  
A perfect environment for  
teaching critical thinking.”**

**Brant Berglund**

NHL Senior Director, Coaching and  
GM Technology



Business Builders

Scenarios



Teach like a coach and bring hockey to your classroom with **The Hockey Analyst**

- 📊 Co-developed by HEC Montréal, the NHL®, and SAP, this game lets students step into the role of hockey analyst using real NHL data.
- 🎓 Pre-built dashboards in SAP Analytics Cloud provide a guided, intuitive learning experience.
- 🚩 Target audience
  - 1 Learners ranging from secondary and post-secondary education. No SAP Analytics Cloud related knowledge required.
  - 2 Fits naturally within programs such as sport management, sport analytics, business analytics, information systems, and data-driven decision-making courses.





CHALLENGE

## The Goal Scorer

### Overview

- Students step into the role of a hockey data analyst exploring real NHL data.
- Only 5% of shots results in a goal. In this scenario students explore what factors impact goal scoring.

### Goal: Examine shot characteristics, and interpret patterns in player performance

- Analyze key shot characteristics such as distance, angle, speed, and shot type.
- Explore player performance based on goals and shot on goals.
- Determine the factors that most strongly influence scoring outcomes.



© NHL  
© NHLPA





## CHALLENGE

# The Goalie

### Overview

- Focuses on hockey's goal scoring.
- Highlights rarity and difficulty: Only 5% of shot attempts result in a goal.

### Key Questions Explored

- What makes a successful goal scorer?
- How do player positioning, shot angles, and situational awareness contribute to scoring performance?

### Mathematical Concepts Introduced

- Probabilities, measures of central tendency, variability, and data distribution.
- Tools used: Mosaic plots, shot-location heat maps, calculated quartiles.

### Player Analyses

- Player performance evaluation across game situations.
- Evaluation of consistency and volatility.

### Implications

- Learn about the reliability of players under pressure.
- Understand the importance of volatility in roster decisions.



© NHL  
© NHLPA



# Sharing Experience

**Niel Shahrabi, Ph.D.**

Professor of Information Systems  
& Faculty Director of the Lam-Larsen Emerging  
Technologies Initiative

Lam Family College of Business  
San Francisco State University

# Demo



Developed by:  
**HEC**  
MONTREAL

# Q&A



Business Builders

# Get engaged and bring it to your classroom!

- ✓ Free of charge
- ✓ No membership needed
- ✓ Easy to adopt



HEC MONTRÉAL



Scan the QR code  
and start your game  
today!

[www.businessbuilders.games](http://www.businessbuilders.games)



# Thank You for joining us today!

[www.businessbuilders.games](http://www.businessbuilders.games)

**SAP** Bring out your best.