

Business Builders: *Data Visualization Through Gaming*

Business Builders Enhanced (2.0)

February 18th, 2025

Agenda

- **Business Builders 2.0**
Demo
- **Faculty Journey**
Online Faculty Training
- **FAQ**

Business Builders 2.0

- ✓ Business Builders Enhanced
 - Updated questions for all three scenarios
 - **New!** Contextually grounded questions
 - Performance improvements (hold more players at once)
 - Under-the-hood improvements (optimized data loads)
- ✓ **New!** Monthly onboarding / brush-up sessions
- ✓ **New!** Prerequisite for ERPsim Competitions
- ✓ **New!** Online self-paced faculty training



HEC MONTRÉAL



Welcome to Business Builders!

Business Builders helps mastering advanced data storytelling and visualization skills through gaming using **SAP Analytics Cloud**, all for **free!**

Educators can equip their students with the decision-making competencies needed for today's job market. Empower your students to tell compelling stories based on data by mastering the ability to manage large datasets and employ visualization techniques to extract insights from business information.

Students learn to take the lead in the job market. The platform equips you with world-class decision-making skills and the in-demand ability to employ visualization techniques to extract business insights from data.



Students

Business Builders is an invitation-only platform. Follow the instructions you receive from your instructor, and you're good to go!

[Registration](#)[Student Login](#)

Educators

Professors, lecturers and teachers can apply to register for a Business Builders account for free. Get started now!

[Registration](#)[Instructor Login](#)

Instructional Material

Pedagogical Material Ecosystem

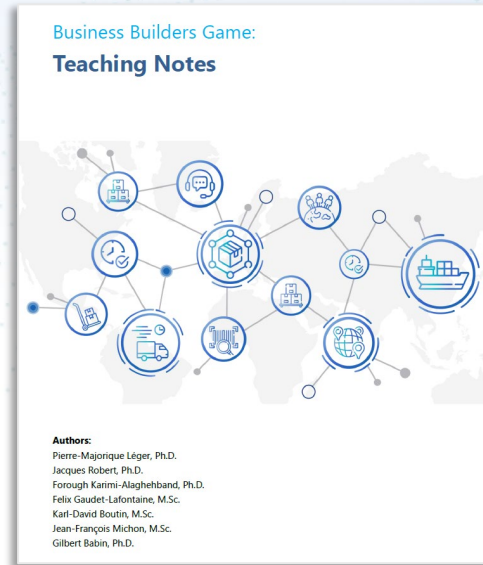
Foundations

Skill Building

Active Teaching

Feedback Loop

Teaching Notes:



New! Self-Paced Online Training:



Pedagogical Material Ecosystem

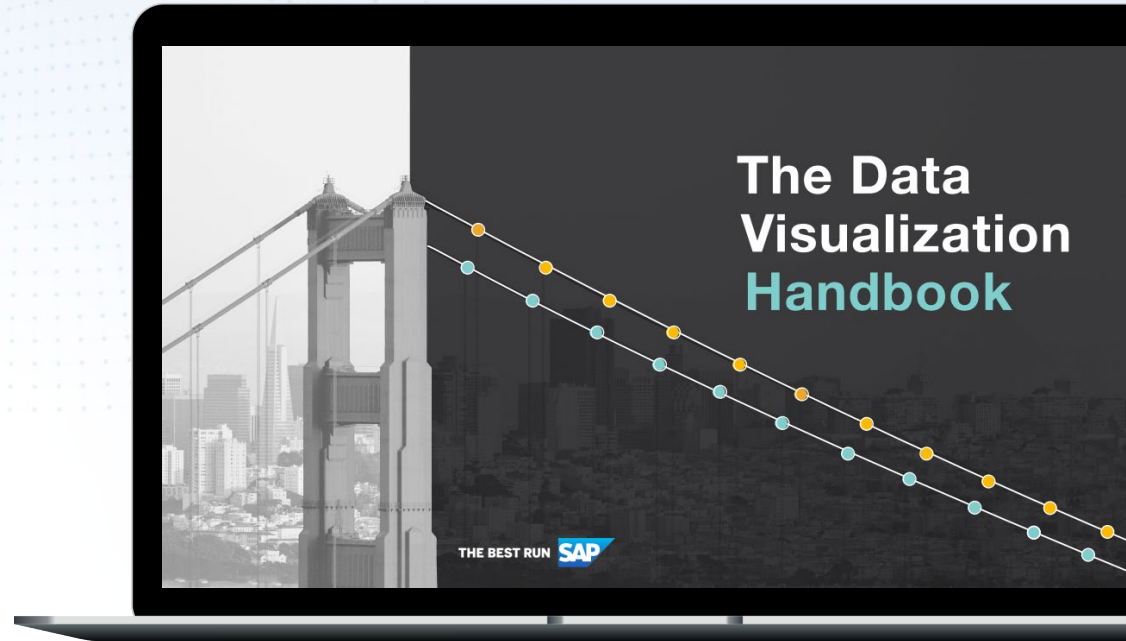
Foundations

Skill Building

Active Teaching

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Data Visualization
Handbook



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Data Visualization Handbook

SAC Tutorials Slides based on ERPsim Maple Game

Calculated Measure: Formula

When we need a measure (value) to answer a business question, the measure might not be included in the dataset:

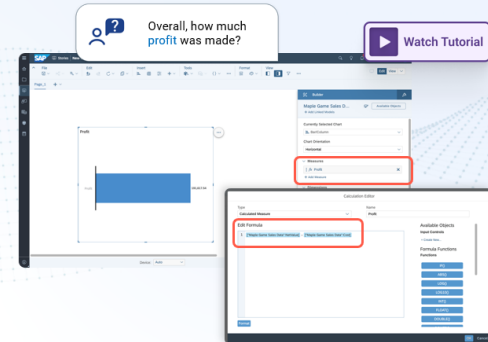
- In this case, you will be able to calculate a **new measure** based on existing measures to answer the question

For example, in the Sales dataset, we don't have profit, but we do have the sales revenues (NetValue) and the costs:

We can therefore calculate the profit:

$$\text{Profit} = \text{Revenue} - \text{Costs}$$

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The screenshot shows the SAP Business Builder interface. The main content area displays a video player with a bar chart titled "Quantity per MaterialDescription". The chart shows the following data:

MaterialDescription	Quantity
01 Amber Grade Maple Syrup	4,115
02 Dark Grade Maple Syrup	3,491
03 Golden Grade Maple Syrup	9,824
04 Very Dark Grade Maple Syrup	2,814
0500 Amber Grade Maple Syrup	3,400
0600 Dark Grade Maple Syrup	4,822
0700 Golden Grade Maple Syrup	2,875
0800 Very Dark Grade Maple Syrup	4,324

An orange button with the text "Sort results" is overlaid on the bottom right of the video player. The interface also shows a left-hand navigation pane with "Widgets" expanded, and a right-hand "Builder" pane with "Measures" and "Dimensions" sections.

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Detailed Scenario Slides

Tutorial Videos based on ERPsim Maple Game

Student and Teacher Job Aid

SAP ANALYTICS CLOUD USER GUIDE (SAC) 1/2

- 1 Identify the business objects of the question**

"Which country has the highest number of survey respondents?"

 - Identify what you want to measure.
 - Determine the result(s) you want to achieve.
 - Determine how to get there. Do you need a **calculated field**?

If you need to customize existing data, you can create a calculated field.

Here's an example of how to obtain total revenue:

Price_Unit * Quantity
- 2 Identify the right file and dataset**

In the navigation bar, select the "Files" tab.

When making a query, always make sure you're using the right dataset

Use the "Dataset" tab to get more details about your data.
- 3 Create a new presentation**

In the navigation bar, select the "presentations" tab.
- 4 Add a new graphic**

You need to use the "graphing tool" to visualize your data.

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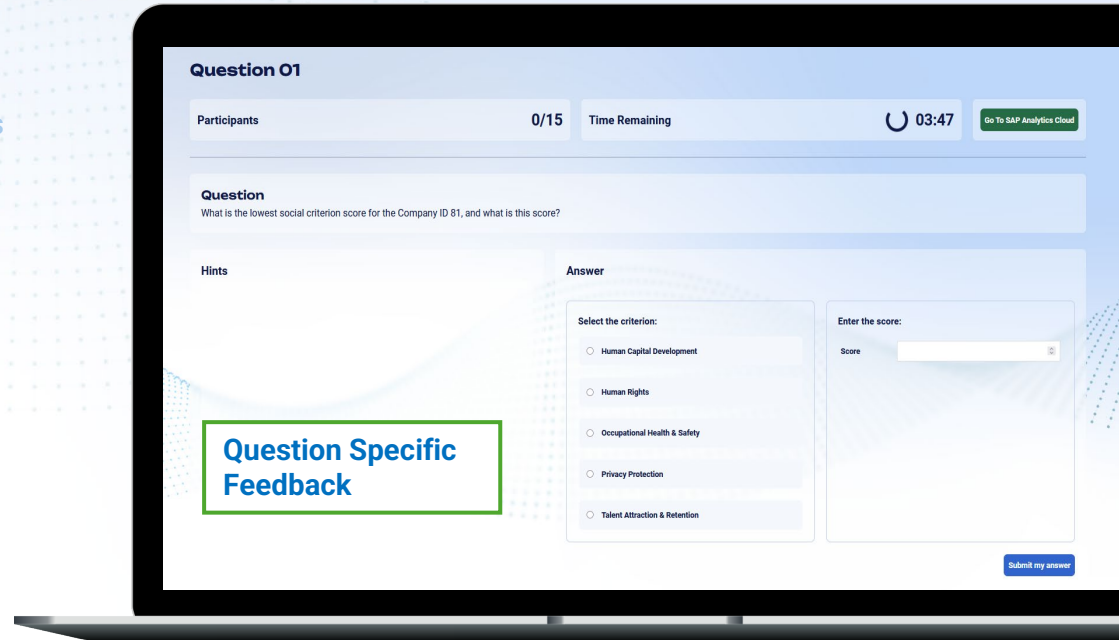
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Where to find the resources?

The screenshot shows the Business Builders platform interface. The top navigation bar includes 'Business Builders', a language dropdown set to 'EN', and a user profile icon 'P1'. The main content area is divided into several sections:

- Welcome to Business Builders:** Displays 'Region: North America' and 'University: HEC Montréal'.
- Messages:** A section for communication.
- SAP Analytics Cloud:** Includes a button 'Go To SAP Analytics Cloud'.
- Business Builders Training:** A section highlighted with an orange border, containing the text 'Learn how to get started with Business Builders. You can book one of the available training sessions now.' and a button 'Register to a training session'. A large blue arrow points from this section to the text 'Schedule a training session' below it.
- Your Games:** Features a game titled 'Event Test Maple Test' with details: 'Group: Prof Training Test', 'Game ID: Maple Demo', 'Participants: 1', and 'Completion: 5/5'. It includes a progress bar and an 'Add New Game' button.
- Your Groups:** Lists 'Training Group', 'Intro data analytics - F01', 'Training Group 2', and 'Prof Training Test', each with a right-pointing arrow and an 'Add New Group' button.
- Learning Material:** A section highlighted with an orange border, containing links for 'Get Started: How to Use Business Builders', 'Teaching Notes', 'SAP Analytics Cloud User Guide', 'SAP Analytics Cloud Data Visualization Handbook', 'Training Slides - Maple Dataset', and 'Data Dictionaries'. Blue arrows point from this section to the text 'Materials for Teachers' and 'Materials for Teachers & Students' on the right.
- Available Scenarios:** A section highlighted with an orange border, containing three scenario cards: 'Supply Chain Resilience' (with a bar chart), 'International Expansion' (with a stacked bar chart), and 'Sustainability Portfolio' (with a gauge chart). A blue arrow points from this section to the text 'Scenario Specific Slides including Questions/Answers' on the right.

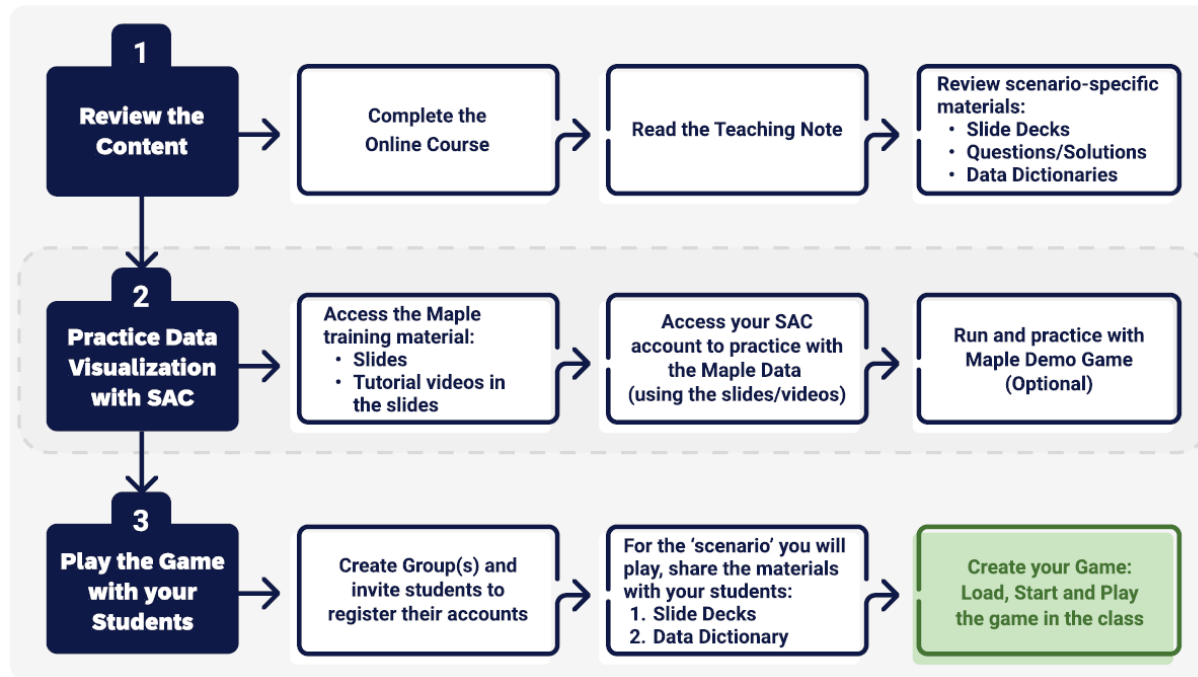
Materials for Teachers

Materials for Teachers & Students

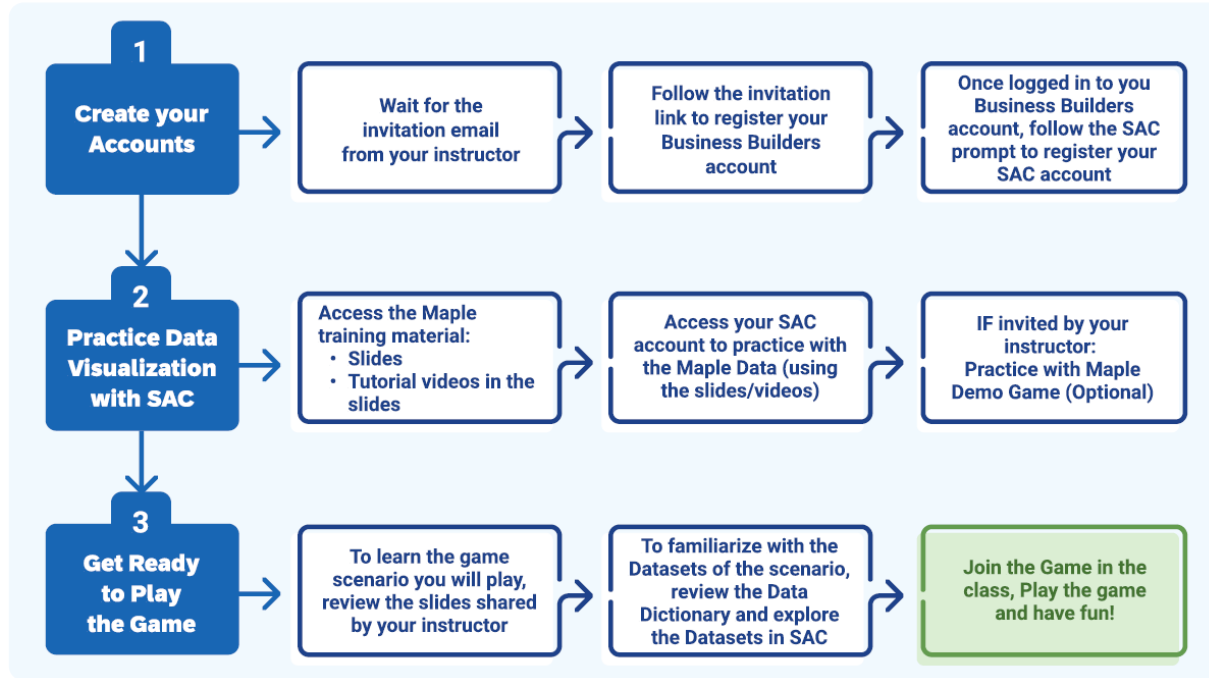
Schedule a training session

Scenario Specific Slides including Questions/Answers

Educators' Journey



Students' Journey



Training & Accreditation

My Courses



Business Builders Faculty Training

ERPsim - BB101

Started - Feb 10, 2025



Resume Course

Certificate

OF ACHIEVEMENT

THIS CERTIFICATE IS PROUDLY PRESENTED TO

For successful completion of the training and obtaining
the **Business Builders Educator** accreditation.

Date



Jean-François Michon
Director of Operations,
ERPsim Lab, HEC Montréal

**Business
Builders**

FACULTY TRAINING



Announcements

2025 User Group Meeting

Save the Date

August 11-13, 2025

At HEC Hélène-Desmarais (downtown) campus
Montréal, Canada

Note that **AMCIS 2025** will also happen in
Montréal on August 14-16, 2025!

Questions?



Scan the QR code
and start your game
today!

businessbuilders.games
businessbuilders@hec.ca

Business Builders

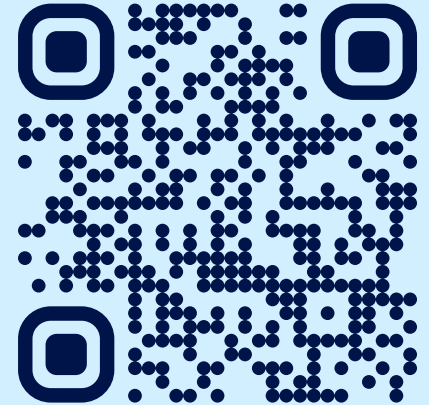
Thank you!

Get engaged and bring it to your classroom!

- ✓ Free of charge
- ✓ No membership needed
- ✓ No programming or experience required



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Scan the QR code
and start your game
today!

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