How do you get your students to understand the meaning behind data in order to make meaningful connections?

The Data Science 101 and Learning TaskFacts app to the fore, for students, instructors, and facilitators. This task-based instructional design for data analysis, visualization, and interpretation provides a fresh, engaging, and simple way of getting students deeply connected constructs.

After your students have completed the data visualization exercises and are ready to engage in more complex tasks, students can be led through the following concepts by the tips below.

Tip 1: Ensure SIAT questions are in your assignments

Any questions you’re developing can be categorized as SIAT, but only well-designed questions can engage your students. Here are some examples of well-designed questions:

- The problem is a real-world problem to solve (SIAT: Task).
- The problem involves a real-world phenomenon (SIAT: Activity).
- The problem involves a real-world phenomenon (SIAT: Task).

We have developed a comprehensive list of well-designed questions.

Tip 2: Assign a Getting Started assignment the 1st week of class

Ask students to review the course syllabus and create a Getting Started assignment that includes:

- “Tell me more about our course.”
- “Tell me more about the instructor.”
- “Tell me more about the textbook.”
- “Tell me more about the content.”
- “Tell me more about the expectations.”
- “Tell me more about the resources.”
- “Tell me more about the assessment.”

Use this Getting Started assignment as an opportunity to discuss learning outcomes and set expectations for the course.

Tip 3: Assign SIAT Tutorial Questions

Do you need challenges to enhance student interest in your course? Here are some ideas to get started:

- “Tell me more about the SIAT framework.”
- “Tell me more about the SIAT design principles.”
- “Tell me more about the SIAT assessment criteria.”
- “Tell me more about the SIAT implementation.”
- “Tell me more about the SIAT evaluation.”
- “Tell me more about the SIAT feedback.”
- “Tell me more about the SIAT reflection.”

Use these questions to enhance student interest in your course.

Tip 4: Assign SIAT Scenario Questions

As an additional challenge to enhance student interest in your course, consider assigning scenario questions to your students. These questions should be relevant to your course and the SIAT framework.

Tip 5: Use SIAT in class with your students

SIAT is a tool that can be used to enhance instruction. It can be used as a method of instructional design for students and teachers. SIAT provides a framework to design effective learning experiences. SIAT is a tool that can be used to enhance instruction. It can be used as a method of instructional design for students and teachers.